



City of Hamilton
GENERAL ISSUES COMMITTEE
AGENDA

Meeting #: 21-004
Date: February 17, 2021
Time: 9:30 a.m.
Location: Due to the COVID-19 and the Closure of City Hall

All electronic meetings can be viewed at:

City's Website:
<https://www.hamilton.ca/council-committee/council-committee-meetings/meetings-and-agendas>

City's YouTube Channel:
<https://www.youtube.com/user/InsideCityofHamilton> or Cable 14

Stephanie Paparella, Legislative Coordinator (905) 546-2424 ext. 3993

1. APPROVAL OF AGENDA

(Added Items, if applicable, will be noted with *)

2. DECLARATIONS OF INTEREST

3. APPROVAL OF MINUTES OF PREVIOUS MEETING

3.1. February 3, 2021

4. COMMUNICATIONS

5. DELEGATION REQUESTS

6. CONSENT ITEMS

6.1. 2020 Music Strategy Update (PED21041) (City Wide)

7. PUBLIC HEARINGS / DELEGATIONS

- 7.1. Shane Coleman, Hamilton Farmers' Market Stallholder Association, respecting Rent Relief for the Hamilton Farmers' Market
- 7.2. Jennifer Hompoth, Friends of the Hamilton Farmers' Market, respecting the Well-Being of the Hamilton Farmers' Market (no copy)
- 7.3. Tom Manzuk, Advisory Committee for Persons with Disabilities, respecting Matters Related to COVID-19 and its Impact on Persons with Disabilities

8. STAFF PRESENTATIONS

- 8.1. Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide)
- 8.2. COVID-19 Verbal Update

9. DISCUSSION ITEMS

- 9.1. City of Hamilton - Ministry of Transportation 2020-2021 Dedicated Gas Tax Funding Agreement (FCS21011) (City Wide)
- 9.2. Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)
- 9.3. Advisory Committee for Persons with Disabilities Report 21-001, January 12, 2021

10. MOTIONS

- 10.1. Establishing Fair Wages for Musicians: Guidelines and-or Policy for City Run or City-Funded Events Utilizing Musicians

11. NOTICES OF MOTION

12. GENERAL INFORMATION / OTHER BUSINESS

13. PRIVATE AND CONFIDENTIAL

13.1. Closed Session Minutes - February 3, 2021

Pursuant to Section 8.1, Sub-section (f) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-section (f) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to advice that is subject to solicitor-client privilege, including communications necessary for that purpose; Section 239(3)(b) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to an ongoing investigation respecting the municipality, a local board or a municipally-controlled corporation by the Ombudsman, appointed under the *Ombudsman Act*; and, Section 239(3)(b) of the *Ontario Municipal Act*, 2001, as amended, Section 113.14(1) – Investigation - every investigation by the Ombudsman shall be conducted in private.

13.2. Greater Hamilton Volunteer Firefighters Association - CLAC Local 911, Ratification of Collective Agreement (HUR21003) (City Wide)

Pursuant to Section 8.1, Sub-section (d) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-section (d) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to labour relations or employee negotiations.

14. ADJOURNMENT



GENERAL ISSUES COMMITTEE MINUTES 21-003

9:30 a.m.

Wednesday, February 3, 2021

Due to COVID-19 and the closure of City Hall, this meeting was held virtually.

Present: Mayor F. Eisenberger, Deputy Mayor M. Wilson (Chair)
Councillors J. Farr, N. Nann, S. Merulla, C. Collins, T. Jackson,
E. Pauls, J.P. Danko, B. Clark, M. Pearson, B. Johnson,
L. Ferguson, A. VanderBeek, J. Partridge

Absent: Councillors T. Whitehead – Personal

THE FOLLOWING ITEMS WERE REFERRED TO COUNCIL FOR CONSIDERATION:

1. Correspondence from the Hamilton Police Services Board, respecting Business Improvement Area Crime Statistics (Item 4.1)

(Clark/Pauls)

That the correspondence from the Hamilton Police Services Board, respecting Business Improvement Area Crime Statistics, be received and referred to the Business Improvement Area Advisory Committee for information.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

2. Stoney Creek Business Improvement Area (BIA) Revised Board of Management (PED21026) (Ward 5) (Item 6.1)

(Johnson/VanderBeek)

That the following individuals be appointed to the Stoney Creek Business Improvement Area (BIA) Board of Management:

- (i) Sandy Pavao; and,
- (ii) Natasha Guidi.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

3. Advisory Committee for Persons with Disabilities Report 20-007, December 8, 2020 (Item 9.1)

(Nann/Pearson)

(a) That Items 1 to 3 and 8, of the Advisory Committee Report 20-007, respecting the following, be approved:

- (i) Appointment of Committee Chair and Vice-Chair for 2021 (Item 1);
- (ii) Reduction in the Advisory Committee for Persons with Disabilities' Transportation Working Group and Built Environment Working Group Memberships (Item 2);
- (iii) Housing Issues Working Group Work Plan (Item 3); and,
- (iv) Strategic Planning Working Group Update (Item 8);

- (b) That Item 4 of the Advisory Committee for Persons with Disabilities Report 20-007, respecting Accessible Housing, be referred to the General Manager of the Healthy and Safe Communities Department, for a report back to the Emergency and Community Services Committee;
- (c) That Item 5 of the Advisory Committee for Persons with Disabilities Report 20-007, respecting the Ban of Electric Scooters from Public Property, be referred to the General Manager of Planning and Economic Development for consideration with respect to additional locations where e-scooters may be permitted to operate, and for consideration in developing the forthcoming report to the Planning Committee, with respect to commercial e-scooter operations;
- (d) That Item 6 of the Advisory Committee for Persons with Disabilities Report 20-007, respecting HSR / ATS / DARTS Passenger Policies for Persons with Disabilities, be referred to the General Manager of Public Works, for a report back to the Public Works Committee; and,
- (e) That Item 7 of the Advisory Committee for Persons with Disabilities Report 20-007, respecting Acoustic Vehicle Alerting System Requirement for Electric Scooters be referred to the General Manager of Planning and Economic Development for consideration with respect to additional locations where e-scooters may be permitted to operate, and for consideration in developing the forthcoming report to the Planning Committee, with respect to commercial e-scooter operations.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Absent	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

4. Funding to Backfill the Administrative Staff Position in Ward 6 (Item 10.1)

(Jackson/Johnson)

WHEREAS, the Ward budgets do not reflect the funding required to backfill for administrative staff on maternity leave;

WHEREAS, at its meeting of April 8, 2020, Council approved \$30,300; \$25,000 from the General Legislative Budget (300100) and \$5,300 from the Tax Stabilization Reserve (110046), to backfill the administrative staff position in Ward 6 during a maternity leave in 2020; and,

WHEREAS, in 2021, Ward 6 is required to backfill the same administrative staff position, for a temporary length of time, to cover the balance of that maternity leave;

THEREFORE, BE IT RESOLVED:

That funding, to an upset limit of \$3,500, to backfill the administrative staff position in Ward 6, during the balance of a maternity leave in 2021, to be funded from the Contingency fund in the General Legislative Budget (300100), be approved.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Absent	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

5. Ombudsman's Inquiry (FCS21019/LS21004) (City Wide) (Item 13.2)

(Collins/Farr)

(a) That the direction provided to staff in Closed Session, respecting Report FCS21019/LS21004 - Ombudsman's Inquiry, be approved; and,

Result: Motion CARRIED by a vote of 9 to 5, as follows:

Yes	-	Mayor Fred Eisenberger
No	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
No	-	Ward 3 Councillor Nrinder Nann
Absent	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
No	-	Ward 8 Councillor J. P. Danko
No	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
No	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(Collins/Farr)

(b) That Report FCS21019/LS21004 - Ombudsman's Inquiry, remain confidential.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Absent	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

FOR INFORMATION:

(a) APPROVAL OF AGENDA (Item 1)

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

13. PRIVATE & CONFIDENTIAL

13.2 Ombudsman's Inquiry (FCS21019 / LS21004) (City Wide)

Pursuant to Section 8.1, Sub-section (f) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-section (f) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to advice that is subject to solicitor-client privilege, including communications necessary for that purpose; Section 239(3)(b) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to an ongoing investigation respecting the municipality, a local board or a municipally-controlled corporation by the Ombudsman, appointed under the *Ombudsman Act*; and, to Section 239(3)(b) of the *Ontario Municipal Act*, 2001, as amended, Section 113.14(1) – Investigation - every investigation by the Ombudsman shall be conducted in private.

(VanderBeek/Pearson)

That the agenda for the February 3, 2021 General Issues Committee meeting, be approved, as amended.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

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

(i) January 13, 2021 (Item 3.1)

(Johnson/Partridge)

That the Minutes of the January 13, 2021 General Issues Committee meeting be approved, as presented.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(d) COMMUNICATIONS (Item 4)

(Clark/Pauls)

That Communication Items 4.2.a to 4.2.e. be approved, as follows:

- (i) Correspondence respecting Rent Relief for the Hamilton Farmers' Market Stallholders (Item 4.2)
1. Liz Lamb (Item 4.2.a.)
 2. Charlie Chiarelli, CC Produce, Hamilton Farmers' Market Stallholder (Item 4.2.b.)
 3. Katie McCrindle (Item 4.2.c.)

4. Ron Jepson, Jepson's Fresh Meats, Hamilton Farmers' Market Stallholder (Item 4.2.d.)
5. Sheri Adams Selway (Item 4.2.e.)

Recommendation: Be received.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(e) DELEGATION REQUESTS (Item 5)

(Eisenberger/Merulla)

That the Delegation Requests, Items 5.1 to 5.3, be approved, as follows:

- (i) Ian Hamilton, Hamilton Oshawa Port Authority, respecting the Hamilton Oshawa Port Authority Ports Update (For the March 24, 2021 GIC) (Item 5.1)
- (ii) Shane Coleman, Hamilton Farmers' Market Stallholders' Association, requesting Rent Relief for the Hamilton Farmers' Market (For the February 17, 2021 GIC) (Item 5.2)
- (iii) Jennifer Hompoth, Friends of the Hamilton Farmers' Market, respecting the Well-Being of the Hamilton Farmers' Market (For the February 17, 2021 GIC) (Item 5.3)

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Absent	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Absent	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(f) STAFF PRESENTATIONS (Item 8)

(i) COVID-19 Verbal Update (Item 8.1)

Paul Johnson, General Manager of the Healthy and Safe Communities Department; and, Dr. Elizabeth Richardson, Medical Officer of Health, provided Committee with a verbal update respecting COVID-19.

(Eisenberger/Pearson)

That the verbal update, respecting COVID-19, be received.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Absent	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek

Absent - Ward 14 Councillor Terry Whitehead
Yes - Ward 15 Councillor Judi Partridge

(g) GENERAL INFORMATION/OTHER BUSINESS (Item 12)

(i) Amendments to the Outstanding Business List (Item 12.1)

(Danko/Pauls)

That the amendments to the General Issues Committee's Outstanding Business List be approved, as follows:

1. Proposed New Due Dates (12.1.a.)
 - (aa) Multi-Purpose Community Hub for Diverse and Marginalized Communities - Business Case (Item 12.1.a.a.)

Current Due Date: December 9, 2020
Proposed New Due Date: June 16, 2021
 - (bb) Community Benefits Protocol Advisory Committee (Item 12.1.a.b.)

Current Due Date: November 20, 2020
Proposed New Due Date: September 24, 2021
 - (cc) Feasibility of Developing a Hamilton Biodiversity Action Plan (Item 12.1.a.c.)

Current Due Date: December 9, 2020
Proposed New Due Date: April 7, 2021
 - (dd) Grant or Low-Interest Loans from FCM (Item 12.1.a.d.)

Current Due Date: November 4, 2020
Proposed New Due Date: December 8, 2021
 - (ee) Parkland Acquisition Strategy (Item 12.1.a.e.)

Current Due Date: December 8, 2021
Proposed New Due Date: June 15, 2022

2. Items to be removed (Item 12.1.b.)

Results of the Public Consultation of the Draft Employment Land Review Report, in addition to other GRIDS 2 and MCR Intensification and Density Targets (Item 12.1.b.a.)

(Addressed at the December 14, 2020 Special GIC as Item 6.1 - Report PED17010(g); and, Item 8.1 - Report PED17010(h))

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Absent	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Absent	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(h) PRIVATE & CONFIDENTIAL (Item 13)

(i) Closed Session Minutes – January 13, 2021 (Item 13.1)

(Nann/Pearson)

- (a) That the Closed Session Minutes of the January 13, 2021 General Issues Committee meeting, be approved, as presented; and,
- (b) That the Closed Session Minutes of the January 13, 2021 General Issues Committee meeting remain confidential.

Result: Motion CARRIED by a vote of 13 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann

Absent	-	Ward 4	Councillor Sam Merulla
Yes	-	Ward 5	Councillor Chad Collins
Yes	-	Ward 6	Councillor Tom Jackson
Yes	-	Ward 7	Councillor Esther Pauls
Yes	-	Ward 8	Councillor J. P. Danko
Yes	-	Ward 9	Councillor Brad Clark
Yes	-	Ward 10	Councillor Maria Pearson
Yes	-	Ward 11	Councillor Brenda Johnson
Yes	-	Ward 12	Councillor Lloyd Ferguson
Yes	-	Ward 13	Councillor Arlene VanderBeek
Absent	-	Ward 14	Councillor Terry Whitehead
Yes	-	Ward 15	Councillor Judi Partridge

(Farr/Ferguson)

That Committee move into Closed Session respecting Item 13.2, pursuant to Section 8.1, Sub-section (f) of the City's Procedural By-law 18-270, as amended, and Section 239(2), Sub-section (f) of the *Ontario Municipal Act, 2001*, as amended, as the subject matter pertains to advice that is subject to solicitor-client privilege, including communications necessary for that purpose; Section 239(3)(b) of the *Ontario Municipal Act, 2001*, as amended, as the subject matter pertains to an ongoing investigation respecting the municipality, a local board or a municipally-controlled corporation by the Ombudsman, appointed under the *Ombudsman Act*; and, to Section 239(3)(b) of the *Ontario Municipal Act, 2001*, as amended, Section 113.14(1) – Investigation - every investigation by the Ombudsman shall be conducted in private.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Absent	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Yes	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

(i) ADJOURNMENT (Item 14)

(Nann/Pearson)

That there being no further business, the General Issues Committee be adjourned at 12:50 p.m.

Result: Motion CARRIED by a vote of 14 to 0, as follows:

Yes	-	Mayor Fred Eisenberger
Yes	-	Ward 1 Councillor Maureen Wilson, Deputy Mayor
Yes	-	Ward 2 Councillor Jason Farr
Yes	-	Ward 3 Councillor Nrinder Nann
Absent	-	Ward 4 Councillor Sam Merulla
Yes	-	Ward 5 Councillor Chad Collins
Yes	-	Ward 6 Councillor Tom Jackson
Yes	-	Ward 7 Councillor Esther Pauls
Yes	-	Ward 8 Councillor J. P. Danko
Yes	-	Ward 9 Councillor Brad Clark
Yes	-	Ward 10 Councillor Maria Pearson
Yes	-	Ward 11 Councillor Brenda Johnson
Yes	-	Ward 12 Councillor Lloyd Ferguson
Yes	-	Ward 13 Councillor Arlene VanderBeek
Absent	-	Ward 14 Councillor Terry Whitehead
Yes	-	Ward 15 Councillor Judi Partridge

Respectfully submitted,

Deputy Mayor Maureen Wilson
Chair, General Issues Committee

Stephanie Paparella
Legislative Coordinator,
Office of the City Clerk



INFORMATION REPORT

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	February 17, 2021
SUBJECT/REPORT NO:	2020 Music Strategy Update (PED21041) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Debbie Spence (905) 546-2424 Ext. 3049
SUBMITTED BY:	Carrie Brooks-Joiner Director, Tourism and Culture Planning and Economic Development Department
SIGNATURE:	<i>Carrie Brooks-Joiner</i>

COUNCIL DIRECTION

Not Applicable

INFORMATION

Background

The City of Hamilton recognizes the importance of music culturally and economically. In 2013, Council approved a Music Strategy for the City. The Music Strategy's goals and principles guide City-wide efforts (e.g. by-law, planning, funding, policies, etc.) to support some of the infrastructure necessary to maintain and enhance music in Hamilton.

Hamilton's Music Strategy was developed with strong community engagement. The City continues to work with and seek advice from the local music community through a citizen-based, volunteer group called the Hamilton Music Advisory Team (HMAT).

This annual update provides selected highlights of the City's efforts to advance the Music Strategy and recognizes the work and support received from HMAT.

2020 Highlights - Key Recovery Initiatives, Projects and Accomplishments

The year 2020 saw significant negative impacts and losses to the music industry and its

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: 2020 Music Strategy Update (PED21041) (City Wide) - Page 2 of 5

workers due to the restrictions and impacts caused by COVID-19. These impacts were especially significant for musicians and live music venues. In response to the pandemic, staff focused on recovery efforts for the sector and worked to modify previously planned projects where possible.

Key recovery efforts led by the City, including those done in partnership with others, as well as projects that helped the City fulfil its on-going commitment to music are listed below:

Virtual Mentor Program for Musicians and Music Managers

Developed in collaboration with Canada Music Incubator (CMI), the City launched a mentorship program in late March. The goal of the program was to provide free, high-quality, hands-on professional business development tools to Hamilton musical artists and artist managers. Musicians who resided in Hamilton and met the eligibility criteria received free access to a bundle of three 60-minute one-on-one video meetings with CMI mentors. A total of 27 music sector individuals participated and received important business-related training including Grant Writing, Branding and Fee Negotiation.

Music Mondays

Music Mondays, a free lunch time music series held at City Hall each year was cancelled in 2020 due to COVID-19 gathering restrictions.

Musician Conference

In response to the pandemic, the fourth annual City-led musician conference shifted to a virtual format. The conference expanded from a one-day event to a five-day online event (from October 19 to 23, 2020) during national Small Business Week. Each day featured a different 60-minute panel discussion with topics providing practical business tools aligning with the overall conference theme of “How to release your next album”.

Conference attendance surpassed the 2019 event with a total of 236 conference registrations and an average of 47 attendees at each session. Panel discussions were recorded and remain online as a resource for the sector. As of January 2021, there have been 1,700+ views of these free resources.

In keeping with previous years, HMAT and the Musician’s Sub-Committee were instrumental in providing promotional assistance for the conference. Additional information and conference videos can be found at www.hamilton.ca/musicianconference

Virtual Business Coaching

SUBJECT: 2020 Music Strategy Update (PED21041) (City Wide) - Page 3 of 5

One-to-one virtual business coaching opportunities for creative industries entrepreneurs (i.e. music, film, fashion, visual arts) was launched by the City in April. The City hired Capacity Creator to assist businesses (regardless of their stage of development), in pivoting, refocusing and/or scaling-up in response to the pandemic. A total of five sessions or 10 hours of business coaching assistance was leveraged by music-based businesses.

City Enrichment Fund for Artists

The City funds the creative output of artists and collectives through the Creation and Presentation stream, as well as the creative output of organizations through the Operating, Festivals and Capacity Building stream.

A total of \$894,769 in funding was provided to 40 music-based individuals and organizations, various artists, i.e. musicians and music organizations who deliver music-based programs or events to the public.

In recognition of the impact of the pandemic, the City committed to funding successful applicants and allowing modifications to their program, or for cancelled programming where costs were incurred due to COVID-19.

“Hamilton Shows Up” - Virtual Events Series

As one of the first deliberate initiatives in Hamilton to provide online content as a response to the pandemic, Hamilton Shows Up was developed and led by Cobalt Connects with the City providing funding and promotional assistance. In total, 22 artists were hired resulting in four hours of free public programming for the first evening. The City funded the first night of performances where there were 2,700 views of the video and a consistent audience of over 500 for the four-hour event.

Music on Patios

To further support the music sector and facilitate public access to live music, in August Council temporarily revised the Music/Entertainment on Patios By-law and extended it to December 31, 2020. The revised By-law permitted music on patios in all Downtown areas and lands zoned D1, D2 and D3. Following this change, many live music venues leveraged the revised By-law and were able to make music part of their offerings to customers.

York Boulevard Live Performance Series

Through a competitive bid process, the City offered access to the top level of the York Boulevard Parkade along with seed funding of \$7,500 to create a temporary, outdoor performance venue for public programming. The successful proponent, Supercrawl

SUBJECT: 2020 Music Strategy Update (PED21041) (City Wide) - Page 4 of 5

Inc., developed a live performance series that included live music, fashion and visual arts.

The series took place over four days (September 24 to 27, 2020) with six separate performances, four of which sold out. This series assisted with the live music/gig economy and resulted in the hiring of musicians, their support teams, artists, production crews, vendors, facility and security staff as well as utilizing the services of local James Street businesses.

Creative Enterprise Facilities Property Tax Sub-Class

In November 2020, the Arts and Creative Industries working group of the Mayor's Task Force for Economic Recovery recommended consideration of a property tax relief or reduction for creative industries, specifically live music venues.

A motion asking the Province for approval to create a Creative Enterprise Facilities Property Tax Sub-Class was approved by Council in December 2020. In January 2021, the Mayor of Hamilton sent correspondence to the Premier requesting this approval. If approved, the Creative Enterprise Facilities Property Tax Sub-Class would provide a reduction in property tax for eligible creative enterprises and live music venues in Hamilton and contribute to their on-going viability.

Anne Foster Music Window Displays

The Anne Foster Music Window Displays are in the original Anne Foster music shop window at the Lister Block building located at 28 James Street North. The City issues a call for artists then contracts an artist to create a display that celebrates and recognizes an element of Hamilton's musical past, present or future. The displays for 2020 included:

- "World Records" by Juliana LaChance
- "PUSH! An Exhibition of Analog Music Machines" by Todd Murray
- "Some Outsider Music Hamilton" by Becky Katz and Aaron Hutchinson with featured artists Charli, Sahra Soudi and Katie McDonald

Photos and information about this project can be found at www.hamilton.ca/annefosterwindows

Live Music Research

Live music helps create and support a strong urban core and quality of life. On June 15, 2020 an Information Report (PED20112) was shared with Council providing information on economic impact data and key issues impacting live music venues. Though the research was based on 2018 data and completed pre-pandemic in 2019, it

SUBJECT: 2020 Music Strategy Update (PED21041) (City Wide) - Page 5 of 5

detailed the importance of the music sector in Hamilton.

Music Blog Series

The City of Hamilton website (www.hamilton.ca/music) hosts a music blog series written by local, contracted subject matter experts. In 2020, the topics for the articles focused on assisting and promoting Hamilton musicians. Three articles were created on the following topics: Improving Your Home Show; How Hamiltonians Can Help and Support Local Musicians; and Marketing Tips for Indie Artists. An article was also written and posted to the Invest website highlighting musicians and music businesses (<https://investinhamilton.ca/blog/2020/11/09/music-loves-hamilton/>).

HMAT Member Updates

The City continues to value and appreciate the efforts of HMAT in providing advice to the City on music, and in supporting the implementation of the Music Strategy. Many thanks to Kojo Dampety (Music Artist/Music Curator) for his work and support as HMAT Chair in 2020, and to Janna Malseed (Hamilton Musicians Guild) for her efforts and support in her role as Co-Chair in 2019 and 2020.

The new Chair and Co-Chair of HMAT for 2021 to 2022 are Tricia LeClair (Hamilton Children's Choir) and Lisa LaRocca (Sonic Unyon/Supercrawl).

HMAT welcomed one new member, Marie Cassidy (Mohawk College - The Hawk) who replaced Bry Webb (Mohawk College - The Hawk). Mr. Webb was a valued member of HMAT and has retired from Mohawk College.

Looking Ahead - Selected Examples of Up-Coming Projects for 2021

The City will continue to focus on recovery efforts for the music sector in response to the on-going effects of the pandemic. Several projects and initiatives will support these efforts including:

- Virtual mentoring for musician and music managers
- Development of a fifth Annual Musician Conference (October 17 to 23, 2021)
- Development of a Strategic Music Business Plan in collaboration with various local partners that will drive a refresh of the City's current music strategy

APPENDICES AND SCHEDULES ATTACHED

None

DS:ac

Subject: Rent Relief Hamilton Farmers Market

To the Mayor and Members of Council.

Covid has impacted the market profoundly.

Our digital people counter at the door has shown a decrease in customer traffic of 50-75% year over year. -Attachment 1

Some businesses were required to close completely during the lockdown. 5 restaurants have not reopened due to the office employees working from home, and other vendors are closing as vendors cannot sustain their business. Most vendors don't qualify for other grant programs April- September of 2020

The Hamilton Farmers Market Board of Directors had originally approved rent relief with the approved landlord rent relief program announced by the Federal and Provincial government.

We have already been invoiced rent April, May June at 25%, and we were told that we were being considered for July- September as the government program was extended.

Premier Doug Ford who has urged landlords to cooperate with tenants. Premier Ford is quoted as saying "It's not going to be forever. It's going to be for a few months. Help people out. You have an obligation to do that as a landlord" (Toronto Star, May 19th, 2020)

Did you know that the market limited access to the market by closing the mall door?
Did you know that we limited hours of shopping less 3 hours per day, 12 hours a week less than our contract with the City has written?

Why is council not treating market vendors the same as they are treating owners of taxis or other commercial businesses. Jackson Square gave its tenants rent relief, as did Limeridge mall. Other Farmers Markets also had rent relief such as London and Kitchener market.

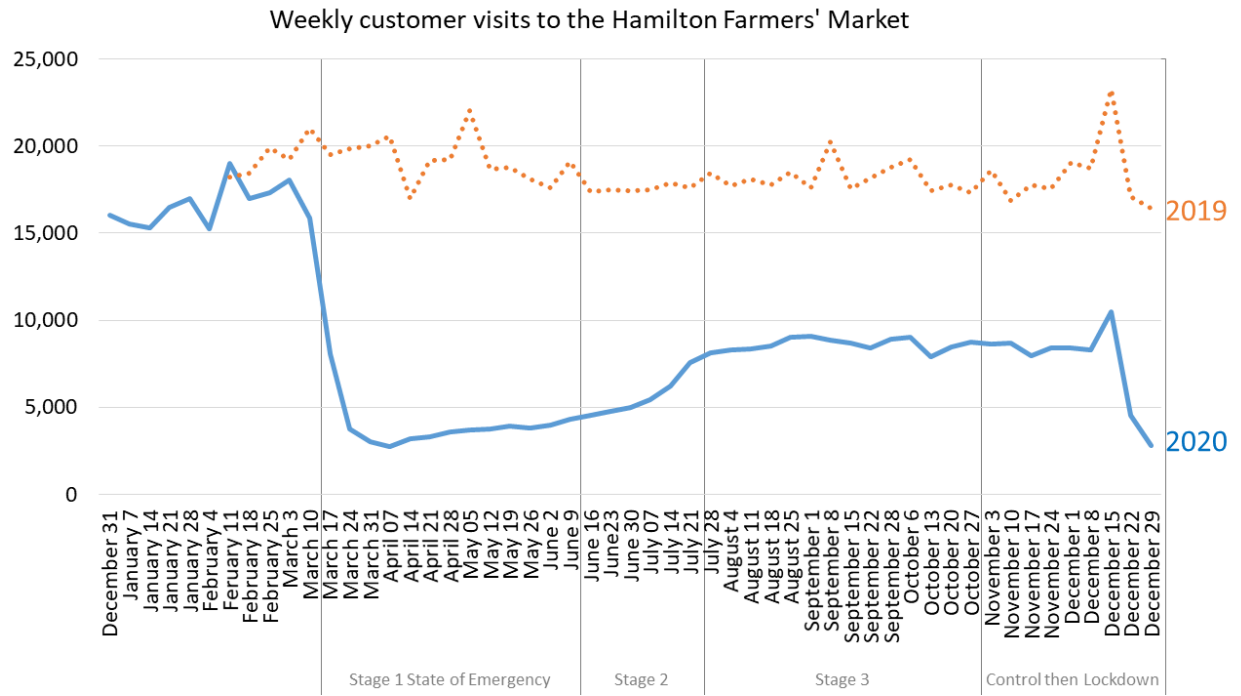
Why did council not have an open discussion previously regarding rent relief as requested.

The Hamilton Farmers Market has run a surplus with the Meridian sponsorship for several years. It's not bonusing to use sponsorship funds, or covid funds provided to the City.

It is not unreasonable to help vendors during these difficult times so we can remain viable for many years to come. The vendors need to have rent relief during these unprecedented times.

Thank You -Shane Coleman -Long term vendor Dilly's Farmacy
Hamilton Farmers Market Stallholder Association President.

Attachement 1



Attachement 2



December 18, 2020

IMPORTANT 2021 CONTRACT MEMO TO HFM VENDORS:

Dear HFM Stallholder,

On November 23, the City of Hamilton directed the Hamilton Farmers' Market Board to adopt the *City of Hamilton COVID-19 Occupant Support Framework*, which provides the Market with the authority to defer up to 6 months of outstanding 2020 stall fees owing to the Market by HFM vendors.

What this means is that *the 75% of Stall fees from April, May, June 2020 which remain outstanding to the Hamilton Farmers' Market will not be eliminated as originally hoped.*

You may recall that at the end of June, we invoiced you at 25% of your regular contracted rate in anticipation that the City of Hamilton would align with the Federal Government's Canada Emergency Commercial Rent Assistance (CECRA) program and cover the remaining 75% of those fees. However, that is not the decision the City of Hamilton ultimately made, and instead we were granted the flexibility to develop a deferral option that will help vendors to spread out payments *interest free* until the end of 2021.

The deferral option will be available to vendors as part of their 2021 Stallholder Agreement.

We understand that this may not be welcome news, and it is not the outcome the Board had advocated for however, you do have the option to defer your outstanding 2020 fees at this time.

Full details of the deferral option are available to vendors during contract renewals which will begin promptly. Please notify the Market Office as soon as possible if you wish to explore this option.

Bill Slowka
Market Manager
905-546-2424 x 2097

COVID-19 and Persons with Disabilities

The members of the Advisory Committee for Persons with Disabilities (ACPD) are concerned that during this COVID pandemic there have been many measures undertaken by the City of Hamilton in support of all citizens that have had an alternate impact upon persons with disabilities.

The following are but a sample of concerns and challenges surrounding COVID faced by persons with disabilities before, during and after provisions and restrictions were imposed and subsequently lifted by the City or province.

Transportation

- lack of communication from the City about, and unsatisfactory service adjustments related to accessible transit
- Accessible Transportation Services was closed with no options for contact with them where necessary
- Taxi Scrip program was unavailable to purchase scrip for many months restricting transportation options for persons with disabilities unable to travel via either DARTS or HSR
- service alternate to pick up persons using a wheelchair by DARTS upon request from typical HSR bus stops was activated with no consultation whatsoever with members of ACPD resulting in many limitations including persons with other forms of mobility needs (e.g. users of a walker) being excluded
- insufficient communication from the HSR and DARTS to the general public, and more specifically to all persons using DARTS, of the DARTS and HSR bus stop pick-up process

- wait times for arranging trips via DARTS increased dramatically to the point where callers would be required to wait 15 to 20 callers ahead in line which is contrary to agreement with ACPD in years past where callers should have no more than 4 - 5 caller wait times
- online trip booking with DARTS was cancelled with no notice to passengers of this change
- requirement for customers using walkers, wheelchairs, scooters and all other personal mobility devices to travel with a companion aboard the HSR was not communicated nor immediately possible for persons with disabilities wishing to travel aboard the HSR
- when travelling aboard the HSR by persons using a mobility device there was an obligation for an untrained companion to deploy the ramp as bus operators did not leave their seats
- DARTS utilized two special vans to transport customers who failed the COVID-19 screener, but these vans were also used to transport other healthy customers
- DARTS ran a program that would pick a customer up at a bus stop throughout the City for customers who could not enter through the rear doors, but this was not communicated effectively
- persons with walkers were excluded in the users permitted to use DARTS in lieu of HSR if not previously DARTS registered
- need for DARTS to be compliant with AODA regulations regarding assisting passengers with aids they bring aboard a bus, especially during the period of Covid where such assistance would reduce the need for personal assistants

- the limitation of 1 person per DARTS van was not effectively communicated

Retail and Commercial Business Access

- floor decals and signage related to physical distancing requirements are not user-friendly for persons with disabilities, in that they are not uniform in design and do not contain any tactile walking surface indicators. They are used in lieu of other forms of instruction, however, they are inaccessible to persons with limited or no eyesight
- no information or regulations were put forth to recommend physical distancing measures for persons with various assistive devices
- there was no direction from the City to retail or other businesses (e.g. animal care) to provide consideration for persons with disabilities as accommodation to use services or patronize businesses.
- some temporary outdoor patio set-ups blocked accessible parking spots and curb ramps
- lack of open, accessible restrooms in public spaces causing issues for persons who because of medical conditions require washroom access
- dedicated one-way store entrances and exits create extended travel distances for persons with disabilities already restricted from full access because of their disability. Alternatives were unavailable demonstrating a clear lack of consideration

Personal Care

- when the pandemic started everyone was mandated to hold a single job, which left people who hire personal care attendants independently as a secondary job high and dry and needing to make alternative arrangements which may not have been possible limiting their full and proper care
- dedicated senior shopping hours are too early for some people and employees aren't equipped to offer assistance to persons with disabilities
- some retail store outlets restricted hours of operation requiring patrons to shop during shorter hours causing more people into potential contact with each other which was contrary to health recommendations for distancing
- residential care facility evictions

City of Hamilton Services and Administration

- felt like the City abandoned the AODA and all its requirements and guidelines established for transportation, built environment, etc.
- no flexibility in altering regulations for persons with disabilities
- lack of representation by or consultation with persons with disabilities on the Emergency Operations Centre Team
- accessible pedestrian signals were disabled, but notification of this change was not provided in an accessible format
- the digital divide, being the gap that exists between individuals

who have access to modern information and communication technology and those who do not, disproportionately hits the disabled population and is compounded by employment programs and libraries, often used for public internet access, being closed by emergency orders

- residential care facility evictions

General

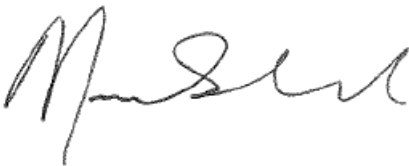
- increased social isolation, loss of personal support workers, disruption of vital health services and difficulties accessing basic necessities and information

- the digital divide, being the gap that exists between individuals who have access to modern information and communication technology and those who do not, disproportionately hits the disabled population and is compounded by employment programs and libraries, often used for public internet access, being closed by emergency orders

ACPD therefore respectfully requests that consultation be made with the aforementioned Committee when developing future policies and procedures, with the understanding that Public Health Services and the City's Emergency Operations Centre, hold the public's health as paramount. However, some policies and procedures have had unexpected consequences for persons with disabilities. The Committee believes they may be able to mitigate some of these consequences.



INFORMATION REPORT

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	February 17, 2021
SUBJECT/REPORT NO:	Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Carolynn Reid (905) 546-2424 Ext. 4381
SUBMITTED BY:	Norm Schleeahn Director, Economic Development Planning and Economic Development Department
SIGNATURE:	

COUNCIL DIRECTION

Not Applicable

INFORMATION

In October 2019, MDB Insight, a leading Canadian management consulting firm specializing in economic development, was awarded the contract to undertake an Information and Communications Technology (ICT) and Digital Media Sector Foreign Direct Investment (FDI) Strategy, further to be known as 'The Strategy', (Appendix A).

The Strategy describes the current state and value proposition of Hamilton's ICT and Digital Media sector. It includes detailed research and analysis, a comprehensive consultation process with businesses and industry partners and potential FDI targets for the City. It provides a clear description of the current state of the sector, identifies gaps and opportunities along with providing guidance on the required actions that will assist the City of Hamilton to encourage and support this growing and evolving sector.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide) - Page 2 of 6

Defining the Information and Communications Technology (ICT) & Digital Media Sector in Hamilton

The working definition of the ICT and Digital Media Sector in Hamilton is based on the North American Industry Classification System (NAICS) codes. The definition is further informed by the Innovation, Science and Economic Development, Canadian ICT Sector Profile. The ICT and Digital Media sector are further sub-divided into six sub-sectors based on industry focus, namely, manufacturing, wholesale, information and cultural, professional and technical services, educational services and other services. The sub-sectors are further detailed below:

- Manufacturing – includes firms specializing in the manufacturing of computer and peripheral equipment, communications equipment, electronic components, audio and video equipment and magnetic and optical media.
- Wholesale – includes firms engaged in wholesaling new and used computers, computer peripherals and pre-packaged computer software, electronic components, navigational and communications equipment and supplies.
- Information and Cultural – includes firms engaged in core sub-sectors including software publishers, computer systems design and telecommunications carriers along with digital media economies including film and sound industries.
- Professional and Technical Services – includes firms engaged in core professional and technical services such as digital design, video game and computer systems design.
- Educational Services – includes computer training and professional schools that form an import part of the ICT & Digital Media value chain.
- Other Services – includes firms engaged in repairing and maintaining electronic equipment and precision instruments.

Information and Communications Technology (ICT) and Digital Media Sector Report Highlights

Economic snapshot of the sector:

- 4% of all industries in the City can be classified as ICT & Digital Media
- Hamilton's ICT & Digital Media sector makes a strong and growing contribution of \$1.3 billion to the local economy
- Sector has experienced a steady increase from 1,487 enterprises in 2016 to 1.808 or 22% in 2019
- 60% of ICT & Digital Media businesses in Hamilton are in the professional scientific and technical services
- Hamilton ranks 6th in number of ICT & Digital Media business compared to ten select communities

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide) - Page 3 of 6

- Of the 1,808 businesses 68% are sole proprietorships
- 55% of the businesses are in the growth phase with increasing revenues and customers
- 79% of businesses expect business revenues to increase

Top occupations include:

- Information systems analysts and consultants
- Computer programmers and interactive digital media developers
- Graphic designers and illustrators
- Software engineers and designers
- Computer and information system managers

Advancing Hamilton's ICT & Digital Media Sector

The City of Hamilton is well-positioned to capitalize on the growing opportunities and strengths of the ICT and Digital Media sector. The sector has seen a higher rate of growth compared to all other industry sectors within the City. This has been driven primarily by professional and technical services and the information and cultural services. Digital media is an important aspect of these industries for the production and delivery of content including motion pictures, videos, television programs or commercials. Niche opportunities exist for the City, including Interactive Digital Media (IDM) and health-based technologies.

1. Key Opportunity Areas and Considerations

Interactive Digital Media (IDM) refers to the industry of user engaged digital platforms. IDM includes games developers and publishers, eLearning software developers, VR/AR/MR developers, VR arcades, mobile app developers, digital advertising firms, interactive site web developers and software developers servicing the above companies. Digital media is one of the fastest-growing parts of the creative cultural industries, both as a sector onto itself, tied closely to gaming, and as a force transforming the creation and distribution of a wide range of cultural content. The recent investment of a production hub in the City-owned Barton-Tiffany lands will enable crossover opportunities in post-production, animation, visual effects, and game development. The City has a strategic opportunity to position Hamilton as a top city in Ontario for investment in digital media supporting digital content producers in film and television.

Hamilton has several successful businesses in the digital media space including Q4, Pipeline Studios, Fluidmedia, Hifyre and Operatic. Supporting these businesses is a network of innovation and education partners. Some key examples include start-up

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide) - Page 4 of 6

programming provided by Innovation Factory, the Forge accelerator, iDeaWORKS and Mohawk College's Graphic Design Advanced Diploma. Also, the AVR Development Lab at Mohawk College functions as a training and research hub for AR/VR (augmented and virtual reality).

Hamilton's technology strengths are also visible in the health sector, specifically in digital health. Opportunities include system integration, interoperability to prototype novel technologies and educating the next generation of digital health entrepreneurs.

The mHealth & eHealth Development and Innovation Centre (MEDIC) at Mohawk College with a focus on digital health serves to bridge the gap between innovative industries and the mobile health and ehealth needs of the healthcare system. In addition to MEDIC, McMaster University offers Canada's only masters in eHealth, designed to build capacity around digital health informatics. Further, the Institute for Applied Health Sciences, a collaboration between Mohawk and McMaster, enables real-world experiences for more than 2,000 students a year. And, Hamilton Health Sciences (HHS) and the CREATE (CentRE for dAta science and digiTal hEalth) will help clinicians in the multi-site hospital and in the surrounding area produce information technology solutions that can raise the quality of patient care and improve medical outcomes.

2. Leveraging Digital Transformation During COVID-19

COVID-19 is significantly impacting the technology sector. More positively, disruption in the sector has caused an acceleration of remote working. The Strategy findings further predict that in the mid to long-term, the sector will witness a digital transformation and 'servicisation' trend. Remote working, distance learning, online media content, telemedicine, eCommerce, and Real Estate "Servicisation" are among the key industries driving this transformation. Hamilton is in a unique position to capitalize on their digital businesses and pave the way for digital transformation. A strong digital strategy is critical in this regard.

3. ICT & Digital Media FDI Opportunity

As part of The Strategy development for the ICT & Digital Media sector, a potential company targets exercise was completed. The results of the FDI analysis complements the sector analysis results that identified niche opportunities for Hamilton in IDM.

High priority potential targets were identified that are larger and medium-sized high growth companies. The targets are in IDM, cloud solutions, gaming, AR/VR, autonomous vehicles and AI. Data science/analytics and video conferencing are also identified as sectors that will benefit from the COVID-19 pandemic. EdTech is also an

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy: Findings and Recommendations (PED21027) (City Wide) - Page 5 of 6

important sector given the impact of COVID-19. Companies are likely to be experiencing a growth spike due to the surge in remote learning in education.

Medium and low priority targets were also identified. Hamilton's 2016-2020 Economic Development Action Plan noted a key action to establish a Sports Analytics Cluster. This sector, while small, is rapidly evolving. Notably, this sub-sector has little or no presence in Canada so Hamilton could have a first-mover advantage here. This sector is identified to be one of the sectors adversely affected by COVID-19.

Motion capture was also identified. They show long term prospect and are a great fit for Hamilton as a) it combines sports and manufacturing applications and b) is at the intersection of AR/VR and artificial intelligence. This sector is identified to be one of the sectors adversely affected by COVID-19.

4. ICT and Digital Media Sector Action Plan

The primary focus of the City of Hamilton's ICT & Digital Media Sector FDI Strategy was to build a strong body of knowledge to inform subsequent, research, consultation, and strategy formulation. The following recommendations were determined to help position and prepare the City for future sector investment and strategic planning:

- **Foster an ICT & Digital Media Growth Environment**
A cohesive sector with the data, support services and networks to enable business growth, innovation, and investment.
- **Support Skills Development, Talent Attraction and Retention**
A world-class quality talent pipeline committed to mutual success ensures local firm growth and serves as a global marketing tool for the City.
- **Targeted Investment Attraction in Niche Sectors**
A growth sector with ongoing investment in niche industries, enhanced competitiveness, and job creation.
- **Showcase Hamilton's ICT & Digital Media Sector through Marketing and Branding**
A global Hamilton brand with a unique value proposition that is effectively marketed to local, regional, and international markets.

The completion of The Strategy was an identified action item in the City's Economic Development Action Plan 2016 – 2020 and more importantly, it will position the sector for the upcoming update to the 2021- 2025 Economic Development Action Plan.

**SUBJECT: Information and Communications Technology (ICT) and Digital Media
Sector FDI Strategy: Findings and Recommendations (PED21027)
(City Wide) - Page 6 of 6**

APPENDICES AND SCHEDULES ATTACHED

Appendix A – ICT & Digital Media FDI and Sector Strategy

OUR Vision: To be the best place to raise a child and age successfully.
OUR Mission: To provide high quality cost conscious public services that contribute to a healthy,
safe and prosperous community, in a sustainable manner.
OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service,
Engaged Empowered Employees.



City of Hamilton Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy

February 2020

Table of Contents

Executive Summary	1
1. Introduction	5
1.1 Project Process.....	5
1.2 Defining Hamilton’s ICT and Digital Media Sector	6
1.3 The Canadian Digital Landscape.....	9
2. Hamilton’s ICT & Digital Media Sector Planning Environment.....	11
2.1 Key Sector Initiatives	12
3. Hamilton’s ICT & Digital Media Sector Economic Context	14
3.1 Sector Profile.....	14
3.2 Economic Impact Assessment	24
3.3 Sector Benchmark Analysis	31
3.4 ICT and Digital Media Asset Inventory.....	39
3.5 Summary of Observations	40
4. Sector Consultation & SWOT Analysis	44
4.1 ICT and Digital Media Business Survey	44
4.2 SWOT Analysis	47
5. Advancing Hamilton’s ICT & Digital Media Ecosystem	53
5.1 Key Opportunity Areas & Considerations.....	53
5.2 Value Proposition	56
6. ICT and Digital Media Sector Action Plan.....	60
Appendices	64

Executive Summary

The Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy is a sector profile initiated by the City of Hamilton that describes the current state and value proposition of this sector and provides direction for the City of Hamilton to foster a thriving ICT & Digital Media sector.

The Strategy development process started in October 2019. It included research and analysis, a comprehensive consultation process with businesses and industry partners, the development of a unique value proposition and potential FDI targets for the city and recommendations to advance the sector.

The city of Hamilton is well-positioned to capitalize on the growing opportunities and strengths of the ICT and Digital Media sector. The sector which saw a higher rate of growth compared to all other industry sectors within the city has been driven primarily by professional and technical services and the information and cultural services. Digital media is an important aspect of these industries for the production and delivery of content including motion pictures, videos, television programs or commercials. Niche opportunities exist for the City, including Interactive Digital Media (IDM) and Health based Technologies. Also, potential FDI targets, primarily Californian companies looking to expand across North America, Europe, and the Asia Pacific, present prospects for the city to realize growth and investment. The following infographic sheets present an economic snapshot of Hamilton's Information and Communications Technology (ICT) and Digital Media Sector.

The City has been a strong enabler of businesses growth and support, innovation and talent. Central to these efforts are the Hamilton Business Centre and local incubators, accelerators and innovation support that include The Forge, McMaster Innovation Park, ideaWORKS, mHealth & eHealth Development and Innovation Centre (MEDIC), Surge, Hamilton Health Sciences (HHS) and the CREATE (CentRE for dAta science and digiTal hEalth) team along with major post-secondary institutions such as McMaster University and Mohawk College. New investments by the City, including the creation of a "Technology and Medical Innovation Centre" and the McMaster Innovation Park's (MIP) Master Plan, are central to supporting the continued growth of the sector.

The Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy defines a value proposition for Hamilton's ICT & Digital Media sector, one that goes beyond the traditional messages and focuses on the assets and attributes that can enable the City to realize success in sector-based investment attraction and marketing. Key attributes for the city include its strong and highly qualified labour force, a world-class education and innovation system with a unique digital technology focus, a growing digital economy industry base and a strong base for ICT & Digital Media growth and investment. Hamilton is in a unique position to capitalize on its digital businesses and pave the way for digital transformation, particularly during the current COVID-19 period.

Actions identified within the Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy align with four high-level recommendations to achieve stated outcomes. The recommendations and outcomes for the Strategy are highlighted below.

Recommendations	Foster an ICT & Digital Media Growth Environment	Support Skills Development, Talent Attraction and Retention	Targeted Investment Attraction in Niche Sectors	Showcase Hamilton's ICT & Digital Media Sector through Marketing and Branding
Outcomes	A cohesive sector with the data, support services and networks to enable business growth, innovation, and investment.	A world-class quality talent pipeline committed to mutual success ensures local firm growth and serves as a global marketing tool for the city.	A growth sector with ongoing investment in niche industries, enhanced competitiveness, and job creation.	A global Hamilton brand with a unique value proposition that is effectively marketed to local, regional, and international markets.

Hamilton's ICT & Digital Media Sector

4%

Of all industries in the city can be classified as ICT & Digital Media

+22%

Sector experienced a steady increase from 1,487 enterprises in 2016 to 1,808 in 2019

60%

Of ICT & DM businesses in Hamilton are in the professional, scientific and technical services

6TH

Hamilton ranks sixth in number of ICT & DM businesses compared to ten selected communities

68%

Of the 1,808 businesses, the majority are sole proprietorships

55%

Of businesses in the sector are in the growth phase with increasing revenues and customers

79%

Of businesses in the sector expect business revenues to increase

\$1.3 billion



Hamilton's ICT & Digital Media sector makes a strong and growing contribution to its economy

20%

Of the ICT & DM professionals work in the ICT & DM sector

Top Occupations



Information systems analysts and consultants



Computer programmers and interactive media developers



Graphic designers and illustrators



Software engineers and designers



Computer and information systems managers

Key Successes



- Located within the Toronto-Waterloo technology corridor
- As per the BRANHAM300 list, Hamilton is listed as a place for one of the Top 25 ICT Up and Comers in the country
- New initiatives by the City include the "Technology and Medical Innovation Centre" which includes a tech campus – a net leasable area of 572,000 sq. ft, a wellness center, flex workspaces and social spaces
- Local ICT & DM businesses consider Hamilton a favourable location for growth, and are highly satisfied with the quality of broadband/hi-speed Internet

Niche Opportunities

- Interactive Digital Media (IDM) – games developers and publishers, eLearning software developers, VR/AR/MR developers, VR arcades, mobile app developers, digital advertising firms, interactive site web developers and software developers
- Health based Technologies – e-Health, digital health informatics
- Digital media is one of the fastest-growing parts of the creative cultural industries, both as a sector onto itself, tied closely to gaming, and as a force transforming the creation and distribution of a wide range of cultural content

ICT & Digital Media FDI Opportunity

- Cloud solutions, AR/VR, autonomous vehicles, AI HQ. Cloud applications, Data science/analytics and Video conferencing
- EdTech
- Gaming
- Sports Analytics
- Motion Capture



1. Introduction

The Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy is a sector profile initiated by the City of Hamilton to describe the current state and value proposition of this sector in the Hamilton economy. The Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy (ICT & Digital Media Strategy) provides direction for the City of Hamilton to foster a thriving ICT & Digital Media and provide support for the city’s digital industries.

Key components of the Strategy include:

- Target sub-sector opportunities
- Labour force development initiatives to address skills gaps identified
- Marketing messages that identify the unique value proposition of Hamilton to differentiate it from its competitors
- Required activities to underpin investment attraction potential within the sector including new or enhanced infrastructure
- Local, regional, and national partnerships and network development with organisations and applicable professional/industry associations
- A vision for the growth and retention of businesses and investment in the sector
- Recommendations related to marketing strategies for the retention, expansion, and attraction of new business investment and talent including ICT and Digital Media events to attend and attract to Hamilton
- Key performance indicators to ensure ongoing monitoring of success, growth, and areas of improvement in the sector

1.1 Project Process

The Information and Communications Technology (ICT) and Digital Media Sector FDI Strategy process began in September 2019 and included the following phases.



The process began with Research and Analysis (October 2019), providing a detailed analysis of the current state of Hamilton's Information and Communications Technology (ICT) and Digital Media Sector. This analysis included:

- A review of the City of Hamilton's existing strategies and initiatives of relevance to ICT and Digital Media sector development
- A statistical analysis of the ICT and Digital Media sector
- An assessment of the economic impact associated with Hamilton's ICT and Digital Media sector
- A benchmark analysis comparing Hamilton's ICT and Digital Media sector against ten comparator communities
- An asset inventory providing an initial universe of information of the ICT and Digital Media sector that the City can build

This was followed by a comprehensive community consultation process (January 2020), that provided insight into relevant opportunities and challenges in the sector, the role of Hamilton Economic Development Office and economic development partners in advancing these opportunities and initiatives needed to make the sector competitive in Hamilton. This engagement phase included:

- A CATI survey of 80 ICT and Digital Media businesses
- Eleven (11) targeted one – on – one interview with ICT & Digital Media businesses and economic development partners
- A targeted in-community workshop with ICT & Digital Media businesses and economic development partners

The results of the Research and Analysis and the sector CATI survey are provided as Appendix I: ICT and Digital Media Sector FDI Strategy Key Findings Report to this strategy report.

The final strategy development phase (February 2020) concluded in this Strategy. It included a summary of research and consultation and a value proposition that defines Hamilton's strengths as a digital city and economy, together with a series of strategic themes emerging from engagement. This was followed by actions and potential recommendations to advance the sector and its sub-sectors.

1.2 Defining Hamilton's ICT and Digital Media Sector

The working definition of the ICT and Digital Media Sector in Hamilton is based on the North American Industry Classification System (NAICS) codes identified in the City of Hamilton's Terms of Reference for this strategy. The definition is further informed by the Innovation, Science and Economic Development, Canadian ICT Sector Profile.

1.2.1 ICT and Digital Media Industries

The ICT and Digital Media industries defined using the North American Industry Classification System (NAICS) codes at the six-digit level are listed below. Approximately 44 industries were identified as part of the sector.

The ICT and Digital Media sector are further sub-divided into six sub-sectors based on industry focus, namely, manufacturing, wholesale, information and cultural, professional and technical services, educational services and other services. The sub-sectors are further detailed below:

- **ICT & DM – Manufacturing** – includes firms specializing in the manufacturing of computer and peripheral equipment, communications equipment, electronic components, audio and video equipment and magnetic and optical media.
- **ICT & DM – Wholesale** – includes firms engaged in wholesaling new and used computers, computer peripherals and pre-packaged computer software, electronic components, navigational and communications equipment and supplies.
- **ICT & DM - Information and Cultural** – includes firms engaged in core sub-sectors including software publishers, computer systems design and telecommunications carriers along with digital media economies including film and sound industries.
- **ICT & DM - Professional and Technical Services** – includes firms engaged in core professional and technical services such as digital design, video game and computer systems design.
- **ICT & DM - Educational Services** – includes computer training and professional schools that form an import part of the ICT & Digital Media value chain.
- **ICT & DM - Other Services** – includes firms engaged in repairing and maintaining electronic equipment and precision instruments.

NAICS	Industries
ICT & DM - Manufacturing	
334110	Computer and peripheral equipment manufacturing
334210	Telephone apparatus manufacturing
334220	Radio and television broadcasting and wireless communications equipment manufacturing
334290	Other communications equipment manufacturing
334310	Audio and video equipment manufacturing
334410	Semiconductor and another electronic component manufacturing
334511	Navigational and guidance instruments manufacturing
334512	Measuring, medical and controlling devices manufacturing
334610	Manufacturing and reproducing magnetic and optical media
ICT & DM - Wholesale	
417310	Computer, computer peripheral and pre-packaged software merchant wholesalers
417320	Electronic components, navigational & communications equipment & supplies merchant wholesalers
ICT & DM - Information and Cultural	
511211	Software publishers (except video game publishers)
511212	Video game publishers
512110	Motion picture and video production
512120	Motion picture and video distribution
512130	Motion picture and video exhibition
512190	Post-production and other motion picture and video industries

NAICS	Industries
512230	Music publishers
512240	Sound recording studios
512250	Record production and distribution
512290	Other sound recording industries
515110	Radio broadcasting
515120	Television broadcasting
515210	Pay and specialty television
517310	Wired and wireless telecommunications carriers (except satellite)
517410	Satellite telecommunications
517911	Telecommunications resellers
517919	All other telecommunications
518210	Data processing, hosting, and related services
519110	News syndicates
519121	Libraries
519122	Archives
519130	Internet broadcasting and web search portals
519190	All other information services
ICT & DM - Professional and Technical Services	
541410	Interior design services
541420	Industrial design services
541430	Graphic design services
541490	Other specialized design services
541514	Computer systems design and related services (except video game design and development)
541515	Video game design and development services
ICT & DM - Educational Services	
611410	Business and secretarial schools
611420	Computer training
611430	Professional and management development training
ICT & DM - Other Services	
811210	Electronic and precision equipment repair and maintenance

1.2.2 ICT and Digital Media Occupations

In addition to the foregoing, MDB Insight has identified 15 occupations in the National Occupation Classification System (NOCs) considered crucial to the development of Hamilton’s ICT&DM sector.

NOC	Occupations
0131	Telecommunication carriers’ managers
0213	Computer and information systems managers
2133	Electrical and electronics engineers
2147	Computer engineers (except software engineers and designers)
2171	Information systems analysts and consultants

NOC	Occupations
2172	Database analysts and data administrators
2173	Software engineers and designers
2174	Computer programmers and interactive media developers
2175	Web designers and developers
2241	Electrical and electronics engineering technologists and technicians
2281	Computer network technicians
2282	User support technicians
2283	Information systems testing technicians
5224	Broadcast technicians
5241	Graphic designers and illustrators

1.2.3 Notes to the Reader

Given that the ICT sector and digital media are constantly evolving sectors of the economy and in some instances act as enablers for other industry sectors, we identify that providing set definitions for the sector using the NAICS should be approached with caution. The ICT and digital economy encompass many fields, including business intelligence, enterprise content management, supply chain management, video games, digital media, IT security, e-health, and e-commerce. The lack of set NAICS and NOC codes to define these connections and also to define key emerging economies such as cryptography and encryption, mobile authentication, cybersecurity, public safety and product certification, prove difficult in describing the breadth of the sector.

However, the data provided throughout the report provides a baseline of information for the City of Hamilton in defining and exploring the sector and in understanding contributions to the value chain and the economy more generally. Throughout this report, selected ICT and Digital Media NAICS codes are used to define Hamilton’s sector, determine its performance and contributions to the economy, understand the labour force and occupations that are critical to the sector and benchmark it against comparator communities.

1.3 The Canadian Digital Landscape

The 2017 OECD Digital Economy Outlook identifies that despite the global economic crisis, the long-term prospects for sustained growth in the ICT sector among the OCED countries is strong. However, Canada lags behind its trading partners in the creation of large digital technology firms and in having a community of successful high-growth firms. It is estimated that between 2013-2016, China, Chinese Taipei, Japan, Korea, and the United States together accounted for 72% to 98% of the top 25 fast-accelerating digital technologies. Comparatively, Canada lacks deep technology ecosystems to best support accelerated innovation and firm growth.

The 2018 interim report for the Digital Industries Economic Strategy¹ in recognizing the opportunities

¹ Canada's Economic Strategy Tables: Digital Industries. The Economic Strategy Tables—a new model for industry-government collaboration—were announced as part of the Government of Canada's Innovation and Skills Plan to support economic growth in six key sectors, including digital industries.

and challenges associated with Canadian digital industries has identified the following interrelated priority themes:

- Increasing the domestic uptake of digital innovation will improve productivity. It is estimated that a 1% increase in digital technology adoption could generate \$2.5 billion for Canada. Also, increased technology uptake will enable sustainable, inclusive growth, creating high-value jobs and making Canadian companies more globally competitive.
- Leveraging intellectual property (IP) will promote the value of data. It is understood that frameworks that leverage and promote Canada's data and IP assets at home and abroad will boost innovation and wealth creation in the global economy. Companies need to pay close attention to the strategic importance of data and IP as well as be confident they will reap returns on their investments in data tools and analytics.
- Need to foster the growth of homegrown digital companies to realize growth. Canada lags behind its trading partners in the creation of large digital technology firms and in having a community of successful high-growth firms. As a result, Canada lacks deep technology ecosystems to best support accelerated innovation and firm growth.
- Need to grow the digital talent base. Canada is ranked first in the G7 in the share of science, technology, engineering, and math (STEM) PhD graduates. Yet, fewer than half of Canadian high school graduates have senior credits in STEM, suggesting Canada has tremendous potential to expand the talent base. Key actions to build Canada's talent base include growing the number of students in science, technology, engineering, arts and math (STEAM); increasing participation by groups underrepresented in the technology workforce; encouraging continuous workplace learning; and addressing the challenges in attracting global talent and building our C-Suite capacity.

In addition to these priorities, it is identified that five technologies will drive the Canadian digital economy to heighten innovation and growth, increase productivity, reduce costs, and generate revenues. These technologies provide important considerations for Hamilton as it advances its ICT & Digital Media Ecosystem.

- **Virtual and augmented reality** – the sector is projected to rapidly grow to a \$150 billion market in the current year, largely driven by augmented reality.
- **Artificial intelligence** –AI has the ability to impact all industry sectors and is expected to reach \$7-\$13 trillion in value by 2025.
- **5G mobile** – this sector is a facilitator for emerging technologies, including autonomous vehicles, industrial automation, and education. It will enable the Internet of Things growth by facilitating better connection with high reliability and ultra-low latency connectivity. Canada's major telecoms are already investigating and implementing 5G technology.
- **3D printing** – enables a shift to a customized production model and is estimated to generate an economic impact of \$230-\$550 billion annually by 2025.
- **Blockchain** – a facilitator for the financial services, retail, and energy sectors as it allows the collection and storage of information independent of central control and protection against hacking. Canadian banks and the healthcare system are already banking on this technology.

2. Hamilton's ICT & Digital Media Sector Planning Environment

A document review conducted as part of this strategy development suggests the City has a strong enabling environment to realize growth in the ICT & Digital Media sector. Key insights that emerged are described in the following paragraphs. A detailed background review is set out in **Appendix I**.

The City of Hamilton has recognized the ICT and Digital Media sector as one of its key industry sectors through its 2016-2020 Economic Development Action Plan. Key focus areas identified in the plan calls for programs and services that assist new and growing businesses and supports Hamilton's entrepreneurial ecosystem. The Hamilton Business Centre, operating as an arm of the City's Economic Development Division, is an important support resource for business information and sector-specific entrepreneurial programming. Given that Hamilton's ICT and Digital Media sector is largely comprised of start-ups, single operator firms and small businesses, the programs offered by the Centre is of critical importance.

In addition to business support, the City's strategic location as part of the Greater Toronto and Hamilton Area (GTHA) and the Innovation Corridor², affordable office market when compared to surrounding regions and a strong innovation ecosystem provides a strong and enabling environment for growth and investment. Critical partners acting as important support systems for ICT & Digital Media Sector include The Forge³, McMaster Innovation Park, and the Hamilton Technology Centre. The Innovation Factory (iF) is another important provincial resource with strong expertise in the Information Technology sector.

The City is well-positioned to build on and grow workforce development initiatives to ensure the viability of the ICT and Digital Media sector. Post-secondary institutions such as McMaster University and Mohawk College are key in ensuring the city has a reliable supply of quality tech talent. They are also viewed as highly adaptable; for example, the Bachelor of Technology Combined Degree/Diploma program was created in response to local business needs. The 2016-2020 Economic Development Action Plan has identified targeted actions to ensure workforce development, including increased support for youth through mentorship, entrepreneurship and peer programs and career pathways.

The City of Hamilton has also developed initiatives to ensure investment and business growth through the Office Tenancy Assistance Program (OTAP) and data intelligence gathering that identifies gaps and opportunities for new investment and reveals possible international parent companies and business contacts. As per the 2015 City of Hamilton Foreign Direct Investment Economic Development Strategy, the city has key advantages in ICT manufacturing, software and computer services and communications services along with Interactive Digital Media (IDM) subsectors.

Opportunities exist for the City to expand business development and investment activities, specifically by improving ICT Infrastructure across the City. The 2016-2020 Economic Development Action Plan identifies the need for a Digital Strategy, improving internet speeds in business parks and major commercial areas and establishing a data centre within the city to support the ICT sector.

² Canada's Innovation Corridor is the Toronto-Waterloo Region Corridor. <https://thecorridor.ca>

³ Start-up incubator for McMaster University and Hamilton Region.

2.1 Key Sector Initiatives

The City of Hamilton is undertaking key initiatives to support the growth of the ICT & Digital Media sector. These include the Technology and Medical Innovation Centre and the McMaster Innovation Park's (MIP) Master Plan.

2.1.1 Technology and Medical Innovation Centre (MetroPartners Inc)

Metro Partners proposed the creation of a "Technology and Medical Innovation Centre" to Hamilton City Council in February 2020. The Centre is proposed to be developed on the south end of the City Hall property, on lands of the existing parking facilities. In general, Metro Partners is seeking a real estate acquisition of the identified lands at "fair-market-value" under the condition that they build, construct and finance the creation of Class "A" office and medical space for this center. The center is to include:

- Tech Campus – 20 & 24 Storey office towers with a combined net leasable area of 572,000 sq. ft. The campus also includes a 3 Storey podium space with 250,000 sq.ft. of leasable area. A net Zero, double facade building with premier office space and rooftop amenity spaces with auditorium space. Approximately 1,350 Parking spaces with 200 secure bicycle spaces - Integrated "social function" podium connects the two towers - Flex office space atriums provide a convenient public-private meeting space.
- Wellness Centre – Modern gym facilities providing a broad range of equipment and spaces. A public orientated gym facility located adjacent to the City Hall will provide continuous pedestrian activity and interaction with the existing municipal grounds
- Transition Space – Expansive atriums provide a flex workspace where the public and private realms can interact. Multi-storey atrium spaces with living Garden Walls, Meeting Spaces (private, semi-private, lounges, etc.) & security interface between public and tower users
- Social Functions – 3 Storey podium structure provides the social programming for the towers including cafes, cafeterias, meeting spaces, conference space, social clubs, grocery store, internal running track, rooftop gardens and rooftop skating rink.

2.1.2 McMaster Innovation Park's (MIP) Master Plan

McMaster Innovation Park (MIP) is gaining international recognition as a thriving campus for innovation, commercialization, and entrepreneurship. The heart of Ontario's Life Sciences Corridor, MIP is a 50+ acre community of forward-thinkers coming together in a common space to work, live, play, and CREATE. MIP's Vision is to be internationally recognized as a thriving hub for innovation, commercialization and entrepreneurship aligned with the research strengths and priorities of McMaster University.

MIP's Mission is to be a bridge between research and industry, to leverage the resources and capabilities of McMaster University and the community to foster and accelerate the innovator's journey from ideation to business reality develop and sustain an environment that facilitates and accelerates innovation, encourages successful collaboration amongst private sector, government, hospital, university and college, has global reach resulting in regional prosperity, educates and excites the community about the vital role of the University in the innovation process. The goals of the MIP's Master Plan are to:

- develop a compelling Vision for the Park
- identify potential partners (capitol & tenant) / ideal mix
- communicate with stakeholders including authorities
- integrate building opportunities with sustainable goals
- develop an implementation strategy (short & long-term phases)

The desired outcomes of the MIP's Master Plan are to:

- Foster an Innovation community culture: Build state of the art infrastructure to substantively enhance McMaster Innovation Park's ability to create economic growth, conduct research and encourage collaboration
- Lead in sustainable design: Develop and transfer new technologies including Energy Conservation
- The connector in Hamilton Business Community: Provide industry with the information it needs to build upon the previous work based on Hamilton's current economic strengths, the global competitive landscape, and the feedback from business owners, developers, citizens
- Research Excellence: Build on current research and technological development in emerging areas of Business Incubators, Accelerators and Clusters, Life Sciences, Advanced Materials and Manufacturing and Aero Space
- World Class: Support the activity of world-class research that meets the McMaster Innovation Park mandate to address strategic themes, competitive advantage, environment, and community
- The plan is expected to result in over \$1B CDN total investment, 400 residential condo units, over 1 million sq. ft. of commercial laboratory and office space growth in 11 buildings and over 35 acres of developable brownfield with world-class adaptive reuse opportunity with direct highway access and visibility.

3. Hamilton’s ICT & Digital Media Sector Economic Context

Hamilton’s manufacturing heritage has enabled the city to grow a technologically advanced and innovative economy. The city today is part of a rapidly growing regional economy with a labour force of more than 270,000 with strengths in traditional sectors and growth in tech-based health and digitally-focused businesses. Hamilton’s professional, scientific, and technical services and the information and culture form two major industries within the ICT & Digital Media sector. These sectors are also important components of the Finance, Insurance and Real Estate (FIRE) and the creative industries. The following sub-sectors provide a detailed economic view of Hamilton’s ICT & Digital Media Industry.

- Sector Profile
- Economic Impact Assessment
- Sector Benchmark Analysis
- Asset Inventory

3.1 Sector Profile

This section of the report provides an overview of the ICT and Digital Media Sector in Hamilton. The analysis is intended as an educative piece for the City, to illustrate the current nature and composition of ICT and Digital Media Sector goods and services in the community and contributions to economic growth.

3.1.1 ICT & Digital Media Industries

In 2018, Hamilton’s ICT & Digital Media Industries with contributions of \$817 million, accounted for 3.5% of total GDP generated by all industry sectors (Figure 1). From 2016 to 2018, GDP generated by the sector grew by 4% from \$787 to \$817 million, indicating room for continued growth in the sector.

Figure 1: City of Hamilton Gross Domestic Product (GDP), 2016-2018

GDP (\$ 2012 million)	2016	2017	2018
All Industries (Total Economy)	\$22,015	\$22,628	\$23,050
ICT & Digital Media Sector	\$787	\$811	\$817
ICT & Digital Media Sector (% Shares)	3.6%	3.6%	3.5%

Source: *metroeconomics*

Hamilton is an important contributor to Ontario’s ICT & Digital Media sector, which saw GDP contributions of \$64.83 billion in 2018 (Figure 2).

GDP contributions of the ICT & Digital Media accounted for 8.9% of total GDP by all industries sectors in the Province. Ontario is the largest output contributor to total ICT & Digital Media GDP in Canada, accounting for approximately 46% of the national ICT & Digital Media GDP in 2018 with \$64.83 billion.

Figure 2: ICT & Digital Media Sector Gross Domestic Product (GDP), Ontario & Rest of Canada, 2016-2018

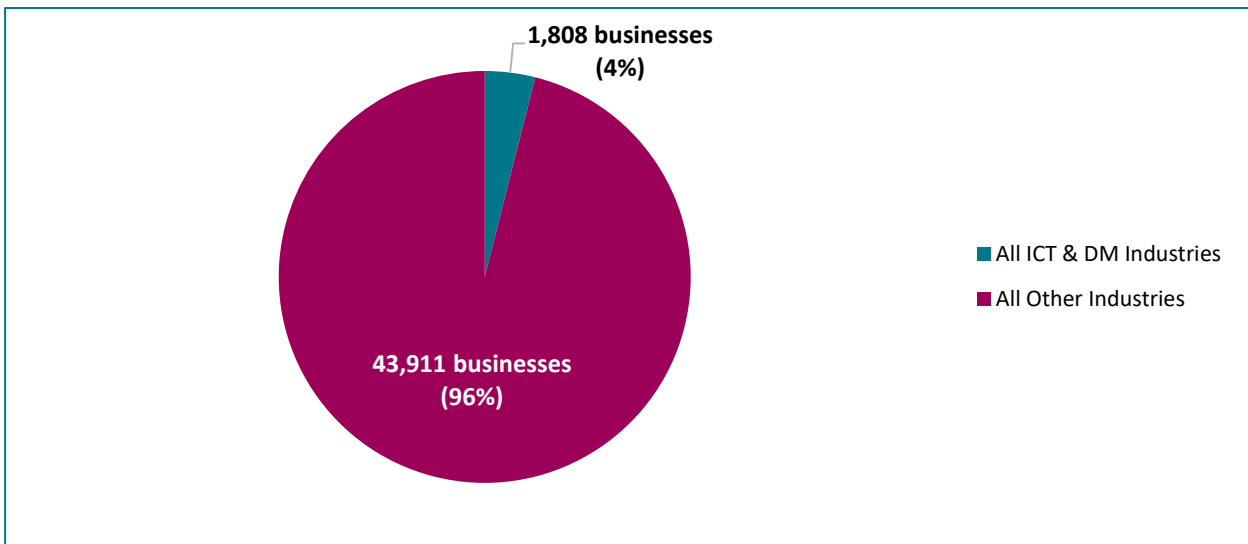
ICT & Digital Media Sector GDP (\$ 2012 billion)	2016	2017	2018
Canada	\$129.74	\$135.52	\$140.72
Ontario	\$59.33	\$61.86	\$64.83

Source: Statistics Canada. Table 36-10-0402-01

Industry Size and Composition

As per the 2019 Canadian Business Counts, a total of 1,808 businesses were classified as ICT & Digital Media Industries. This relates to 4% of all industries in the city.

Figure 3: Hamilton’s ICT & DM Industries, 2019



Source: Canadian Business Counts, June 2019

Similar to national and provincial trends, Hamilton’s ICT and Digital Media sector are characterized by a significant number of sole proprietorships (Figure 4).

Of the 1,808 industries in this sector, 68% of all businesses fall into this category. Micro and small businesses are also an important part of Hamilton’s ICT, and Digital Media sector, around 23% of businesses were micro-establishments employing between 1-4 employees, while 5% employ between 5-9 employees.

Figure 4: Total Industries in the ICT & Digital Media Sector, 2019

Hamilton	Total	Without employees	With employees							
			1-4	5-9	10-19	20-49	50-99	100-199	200-499	500+
ICT & DM Industries	1,808	1,221	415	93	46	21	9	1	2	-
ICT & DM Industries (%)	100%	68%	23%	5%	3%	1.2%	0.5%	0.1%	0.1%	0%

Source: Canadian Business Counts, June 2019

It is understood that single operator companies or small businesses are focussed on providing professional services to local clients. While the presence of small firms is important to the viability and sustainability of the sector, the lack of medium and large firms is considered to affect the long term growth of the sector as they are often export-oriented and R&D intensive firms. Furthermore, large establishments can help foster cluster development and enable the growth and viability of an entrepreneurial economy.

Industry Subsectors and Value Chain

Hamilton's ICT & Digital Media sector is diverse and shows strength in several sub-sectors. The ICT & Digital Media sector is divided into manufacturing and services, which include wholesale, information and culture, professional and technical, educational and other support services. The subsectors are further detailed below and shown in [Figure 5](#) and in [Appendix II](#).

Professional and Technical Services – was determined to be one of the strongest ICT industry sub-sectors in Hamilton by the number of firms. In 2019, this subsector comprised of 1,083 businesses (60% of all ICT and Digital Media industries). The majority of firms in this sub-sector were sole-proprietorships (739 businesses - 68% of all Professional and Technical Services). The top services within this sector were:

- *Computer systems design and related services (except video game design and development)* account for the majority of businesses with approximately 772 businesses (43% of all total ICT & DM industries). Businesses are primarily engaged in writing, modifying, testing and supporting software and include computer consulting, computer facilities management and custom programming services. 491 of these businesses were sole-proprietorships, and 231 were micro-businesses employing 1 to 4 employees.
- Approximately 134 businesses provide *graphic design services* in Hamilton, the majority of which are sole proprietorships: 108 businesses. Of the 26 businesses employing workers, 23 are micro-establishments.

Information and Cultural Services – This sub-sector accounted for the second-highest number of firms in Hamilton with approximately 547 businesses (30% of all ICT and Digital Media industries). Similar to the professional and technical services, the majority of firms were sole-proprietorships (167 businesses – 68% of all information and cultural services). The top services within this sector were:

- *Motion picture and video production*, accounting for the majority of businesses with approximately 202 businesses (11% of all total ICT & DM industries). Digital media is an important aspect of these industries for the production and delivery of content including motion pictures, videos, television programs or commercials. 167 of these businesses were sole-proprietorships, and 31 were micro-businesses employing 1 to 4 employees.
- *Telecommunications*, accounting for 95 businesses (5% of all ICT and Digital Media industries). Wired and wireless telecommunications carriers (except satellite) account for 23% (22 businesses) of Hamilton's telecommunications market. Wireless telecommunications include establishments that provide cellular phone services, paging services and personal communication services. These industries are identified to be one of the strongest ICT industry sub-sectors in Canada.
- *Software publishers (except video game publishers)*, accounting for 30 businesses (2% of all ICT and Digital Media industries). These establishments are involved in computer software publishing

(including designing and developing). Of the 30 establishments, 16 were sole proprietorships while 6 were micro-businesses employing 1 to 4 employees.

Educational Services – this subsector represents an important support sector for the ICT & DM sector with approximately 79 businesses providing educational services related to the ICT & DM sector. Support in the educational sector is provided through Professional and management development training (61 establishments), Computer training (15 establishments) and Business and secretarial schools (3 establishments). Of the 79 businesses, 60 are sole-proprietorships, possibly meaning they may be online training services.

Other Services – this subsector comprises solely of *electronic and precision equipment repair and maintenance* and includes 50 firms of which 30 are sole-proprietorships, and 18 were micro-businesses employing 1 to 4 employees. This is an important support sector to the ICT and Digital Media sector, predominately comprising of establishments that are engaged in repairing and maintaining electronic equipment and precision instruments.

Wholesale – Approximately 25 firms are involved in this ICT and Digital Media support subsector. The majority of firms in this sector were employee-based establishments; 14 firms. Firms within this subsector are either *computer, computer peripheral and pre-packaged software merchant wholesalers* or *electronic components, navigational & communications equipment & supplies merchant wholesalers*

Manufacturing – Approximately 24 businesses can be attributed to Hamilton’s ICT and Digital Media manufacturing subsector. Approximately 5 firms are *computer and peripheral equipment* manufacturers, who make equipment for computers such as monitors, storage devices, mice and printers. Approximately 2 firms are involved in *Semiconductor and another electronic component manufacturing*. The semiconductor industry is an area of strength for Canada, specifically as it relates to niche sectors including fabless semiconductor and microelectronics⁴. *Radio and television broadcasting and wireless communications equipment manufacturing* form a major part of ICT manufacturing specifically as it relates to wireless communications manufacturing. Within Ontario’s ICT manufacturing, approximately 103 firms (7% of all ICT manufacturing) specialize in this subsector, centred in Toronto, Ottawa and Markham. In terms of companies with strengths in exports, Canada shows particular strength in wireless manufacturing and services including wireless infrastructures⁵. Thus, the lack of firms in Hamilton that specialize in this particular subsector may indicate a gap in Hamilton’s telecommunications value chain.

Figure 5: Hamilton’s ICT & DM Industries by Sub-sectors, 2019

ICT & DM Industries Sub-sectors	Total		Without employees		With employees	
	Count	% of total	Count	% of total	Count	% of total
Total	1,808	100%	1,221	68%	587	32%
ICT & DM - Professional and Technical Services	1,083	60%	739	68%	344	32%
ICT & DM - Information and Cultural	547	30%	370	68%	177	32%
ICT & DM - Educational Services	79	4%	60	76%	19	24%

⁴ Growing the ICT Industry in Canada: A Knowledge Synthesis Paper.

⁵ Ibid.

ICT & DM Industries Sub-sectors	Total		Without employees		With employees	
	Count	% of total	Count	% of total	Count	% of total
ICT & DM - Other Services	50	3%	30	60%	20	40%
ICT & DM - Wholesale	25	1.4%	11	44%	14	56%
ICT & DM - Manufacturing	24	1.3%	11	46%	13	54%

Source: Canadian Business Counts, June 2019

Sector Growth

Comparing the Canadian Business Counts between 2016 and 2019, the following observations can be drawn. The number of registered businesses in Hamilton’s ICT and Digital Media sector has grown from 1,487 industries in 2016 to 1,808 industries in 2019. This relates to a net increase in 321 firms or a 22% growth from 2016 to 2019. Hamilton’s ICT and Digital Media sector have grown at a far higher pace than all other industry sectors in the City, which showed a growth rate of 16% for the same time period.

The major growth subsectors were *professional and technical services* and *information and cultural* industries which showed growth by of 18% (net increase of 168 firms) and 35% (net increase of 141 firms), respectively. Hamilton showed a decline in firms in support sectors, including *wholesale* and *electronic and precision equipment repair and maintenance*.

Figure 6: Hamilton’s ICT & DM Industries by Sub-sectors, Net Change 2016 – 2019

ICT & DM Industries Sub-sectors	Total Firm Count		Firm Count Change 2016-2019	
	2016	2019	Net Change	% Change
Total	1,487	1,808	321	22%
ICT & DM - Manufacturing	22	24	2	9%
ICT & DM - Wholesale	29	25	-4	-14%
ICT & DM - Information and Cultural	406	547	141	35%
ICT & DM - Professional and Technical Services	915	1,083	168	18%
ICT & DM - Educational Services	58	79	21	36%
ICT & DM - Other Services	57	50	-7	-12%

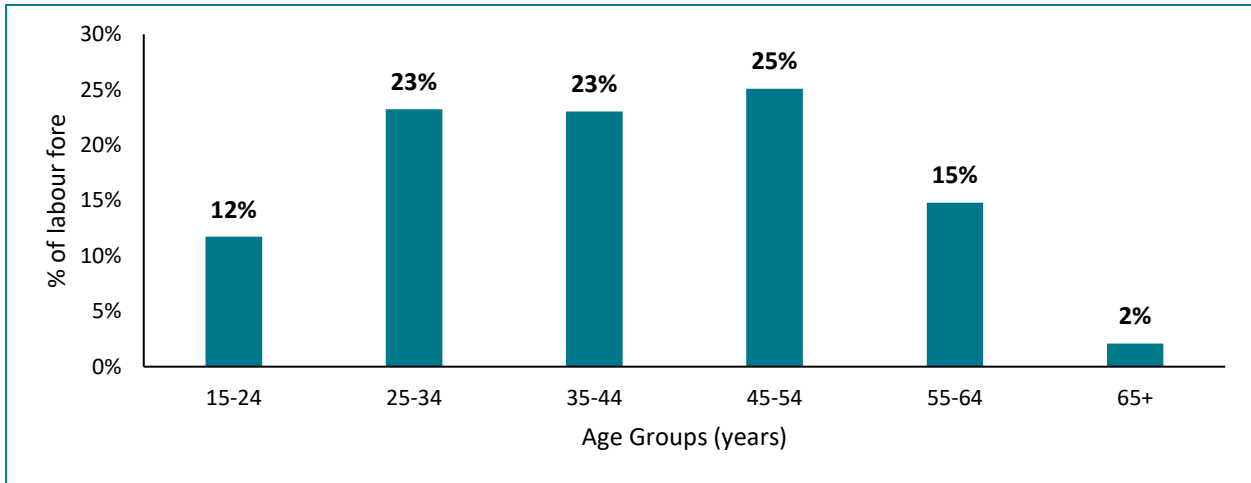
Source: Canadian Business Counts, June 2019

3.1.2 Sector Labour Force

In 2016, Hamilton had a labour force of approximately 10,745 people in the ICT & DM Industries, accounting for 4% of the total labour force.

The ICT & DM industries are equally distributed among almost all broad age groups. The majority of workers are between 45 to 54 years; accounting for 25% of the total labour force. Approximately 23% are early professionals between 25-34 years of age.

Figure 7: Age of the Labour force, Hamilton's ICT & DM Industries, 2016

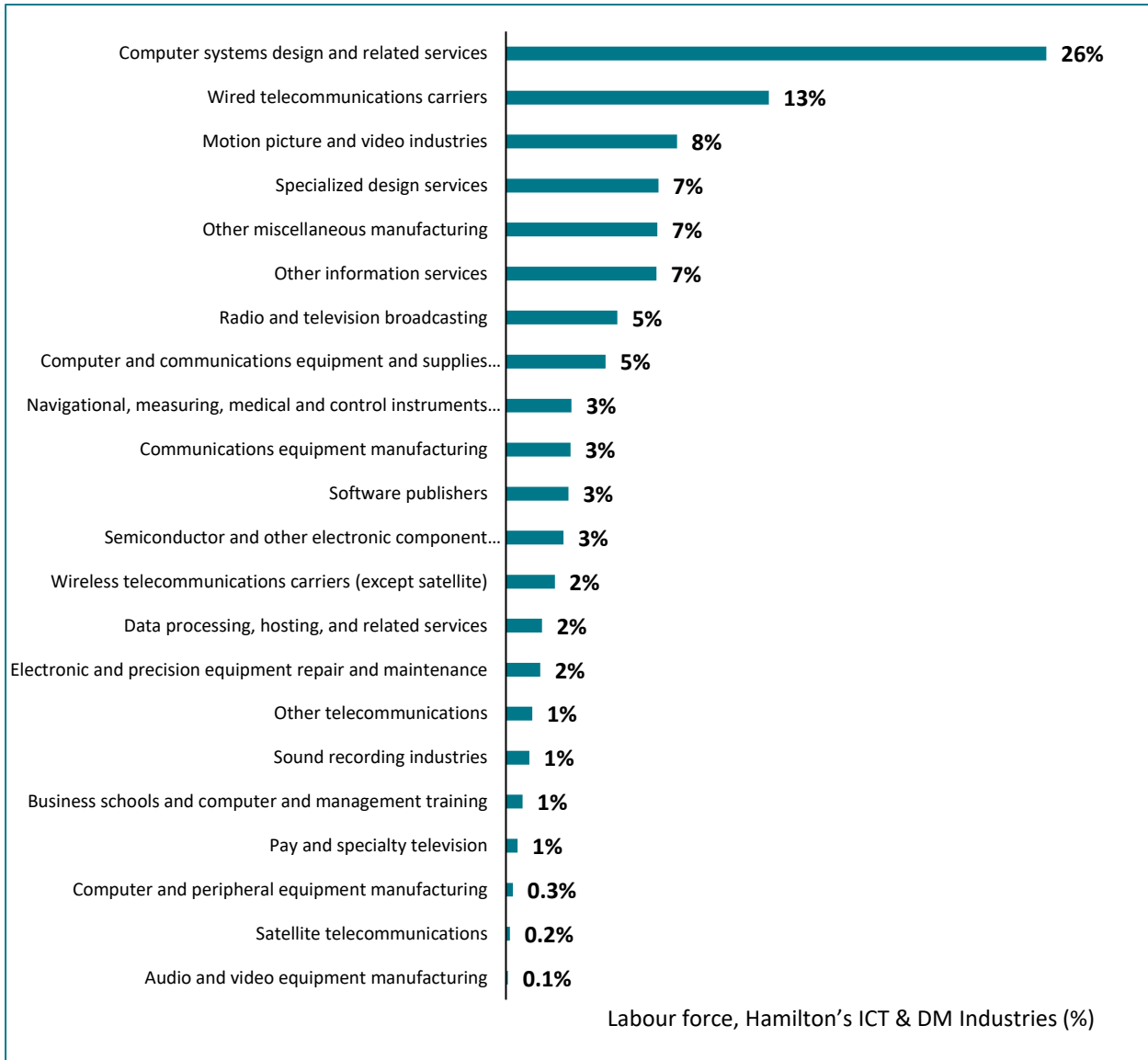


Source: Statistics Canada, 2016 Census of Population.

In 2016, the majority of Hamilton's ICT & DM Industries labour force was centred in the following industry sectors:

- Computer systems design and related services – 2,765 people (26% of the total labour force)
- Wired telecommunications carriers – 1,345 people (13% of the total labour force)
- Motion picture and video industries – 875 people (8% of the total labour force)
- Specialized design services – 780 people (7% of the total labour force)
- Other miscellaneous manufacturing – 775 people (7% of the total labour force)
- Other information services – 770 people (7% of the total labour force)

Figure 8: Labour force, Hamilton’s ICT & DM Industries (%), 2016



Source: Statistics Canada, 2016 Census of Population.

From 2011 to 2016, the labour force in this sector grew by 18%; an approximate increase of 1,610 labour force. Labour force in this sector grew at a faster rate than labour force growth in all other industries, which showed a growth of 12%.

The majority of labour force growth was in the *ICT & DM - information and cultural*, which saw a net increase of 1,005 people from 2011 to 2016. The *ICT & DM - professional and technical services* also saw a net increase in the labour force, an approximate increase of 790 people. Labour force in support sectors, including the *ICT & DM – wholesale, education and manufacturing* saw a decline from 2011 to 2016.

Figure 9: Hamilton’s ICT & DM Industries Labour force, Net Change 2011 – 2016

ICT & DM Industries Sub-sectors	Labour Force		Labour force Change 2011 - 2016	
	2011	2016	Net Change	% Change
Total Labour force	9,135	10,745	1,610	18%
ICT & DM - Manufacturing	1,795	1,780	-15	-1%
ICT & DM - Wholesale	655	510	-145	-22%
ICT & DM - Information and Cultural	3,645	4,650	1,005	28%
ICT & DM - Professional and Technical Services	2,755	3,545	790	29%
ICT & DM - Educational Services	130	85	-45	-35%
ICT & DM - Other Services	155	175	20	13%

Source: Statistics Canada, 2016 Census of Population.

Labour Force Commuting Patterns

The labour force commuting patterns indicate if Hamilton’s labour force is employed in the ICT & Digital Media industries within Hamilton or if they commute outside the city to work. The commuting patterns are important in this regard, as it indicates where Hamilton’s ICT & Digital Media labour force live and work.

As illustrated in the **Figure 10**, approximately 26,160 residents of Hamilton work in Hamilton’s ICT & Digital Media sector. The majority work within educational services (15,285 residents) followed by professional, scientific and technical services (5,250 residents) and repair and maintenance (2,070 residents). Approximately 15,365 Hamilton residents work outside Hamilton (A). Most of the residents travelling to communities outside Hamilton to work in ICT & Digital Media sectors are employed in educational services, professional, scientific and technical services and machinery, equipment & supplies merchant wholesalers. Hamilton attracts approximately 9,185 people from outside communities to work in its in ICT & Digital Media sector (B). Educational services and professional, scientific and technical services are the top sectors that attract the greatest number of workers.

Figure 10: Net Export (-)/Net Import (+) of Labour for Hamilton’s ICT & DM Industries, 2016

Industry	Resident working IN Hamilton	Hamilton resident ‘working outside’ Hamilton (A)	Non-resident ‘working in’ Hamilton (B)	B-A = Net Import (+)/Net Export (-)
Total ICT & Digital Media labour force	26,160	15,365	9,185	-6,180
Computer and electronic product manufacturing	175	695	90	-605
Miscellaneous manufacturing	455	405	175	-230
Machinery, equipment & supplies merchant wholesalers	670	1,205	515	-690
Publishing industries (except Internet)	525	315	185	-130
Motion picture and sound recording industries	315	240	100	-140
Broadcasting (except Internet)	180	320	140	-180
Telecommunications	645	715	210	-505
Data processing, hosting, and related services	35	90	-	-90
Other information services	555	125	170	45

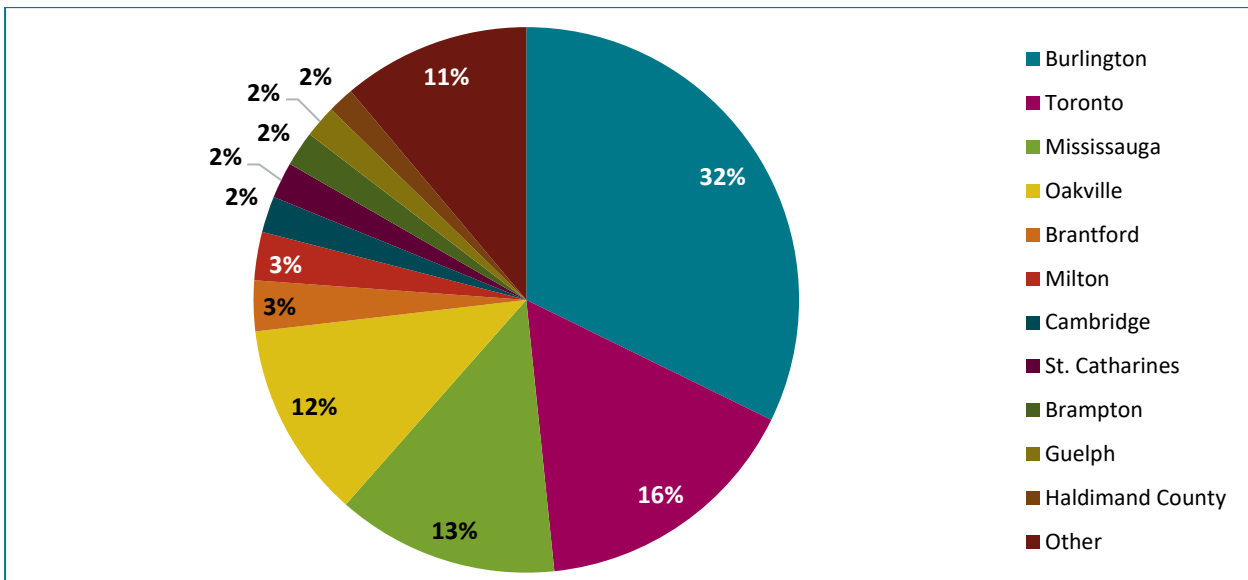
Industry	Resident working IN Hamilton	Hamilton resident 'working outside' Hamilton (A)	Non-resident 'working in' Hamilton (B)	B-A = Net Import (+)/Net Export (-)
Professional, scientific and technical services	5,250	5,145	2,165	-2,980
Educational services	15,285	5,315	4,815	-500
Repair and maintenance	2,070	795	620	-175

While the City attracts approximately 9,185 workers, it still saw a loss of 15,365 residents to employment opportunities outside of Hamilton. Considering the net flow of labour (B-A), it can be understood that Hamilton is a net exporter of workers, with net exports of 6,180 people. Hamilton shows the greatest outflow in the professional, scientific and technical services.

Figure 11 and Figure 12 shows the communities that Hamilton’s ICT & Digital Media labour force commutes to and from.

Of the 15,365 residents who commute to employment opportunities outside of Hamilton, the majority commute to work in Burlington’s ICT and Digital Media sector (4,955 residents – 32% of the commuting labour force) (Figure 11). Another 2,475 residents – 13% of the commuting labour force, commute to work in Toronto’s ICT and Digital Media sectors. Other communities that the Hamilton residents commute to include Mississauga and Oakville.

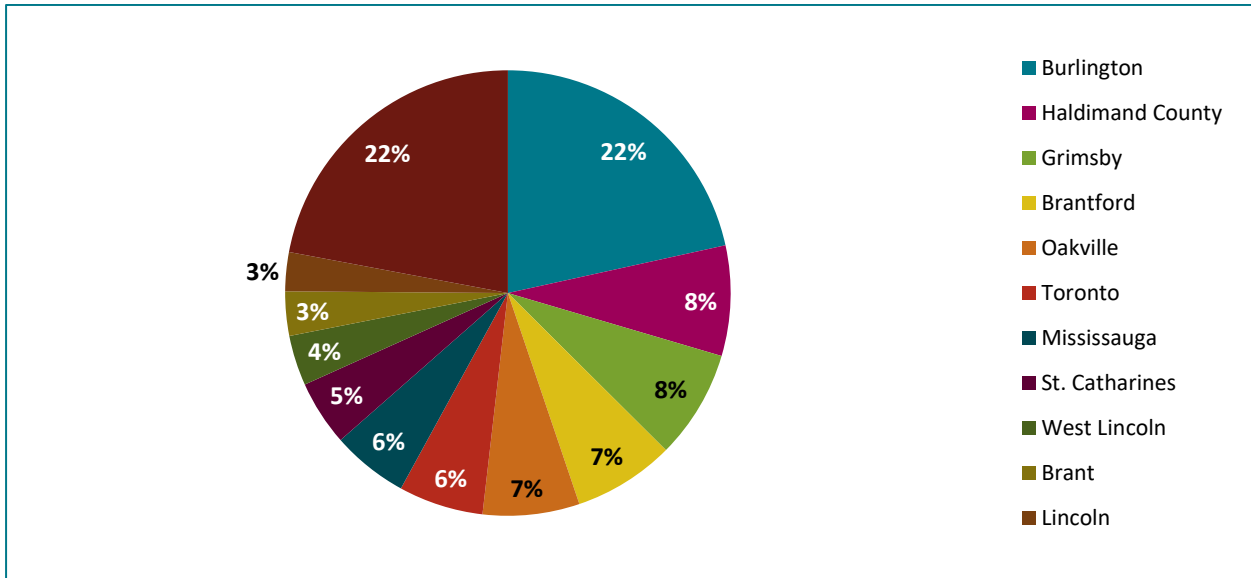
Figure 11: Place of Work for Hamilton’s Residents, ICT & DM Industries, 2016



Source: Statistics Canada, 2016 Census of Population. Other communities include Waterloo, Kitchener, Grimsby, Lincoln and Vaughan, among others.

Figure 12 shows the commuting patterns of workers who commute to Hamilton to work in its ICT and Digital Media sector. Of the 9,185 workers that the City attracts, the majority are from Burlington (1,980 people – 22% of total), followed by Haldimand County and Grimsby.

Figure 12: Place of Residence for Workers who Commute to Hamilton to Work, 2016



Source: Statistics Canada, 2016 Census of Population. Other communities include Guelph, Cambridge, Milton and Brampton, among others.

3.1.3 Sector Related Occupations

MDB Insight identified 15 occupations considered of critical importance to the ICT and Digital Media sector.

The data presented below is for Hamilton CMA. In 2016, Hamilton’s labour force population aged 15 years and over accounted for 369,070 occupations. Of these, approximately 13,905 occupations were related to the ICT & Digital Media sector. This equates to 3.8% of all occupations by industry sectors.

In 2016, the top occupation in the ICT and Digital Media sector were:

- Information systems analysts and consultants
- Computer programmers and interactive media developers
- Computer and information systems managers
- Graphic designers and illustrators
- Computer network technicians

Figure 13: ICT and Digital Media sector Occupation, Hamilton CMA, 2016

ICT & Digital Media Occupations (NOC)	Occupations	% of total
Total	13,905	100%
Information systems analysts and consultants	2,870	21%
Computer programmers and interactive media developers	1,565	11%
Computer and information systems managers	1,340	10%

ICT & Digital Media Occupations (NOC)	Occupations	% of total
Graphic designers and illustrators	1,320	9%
Computer network technicians	1,265	9%
Electrical and electronics engineers	1,065	8%
Electrical and electronics engineering technologists and technicians	1,035	7%
User support technicians	900	6%
Software engineers and designers	765	6%
Web designers and developers	550	4%
Database analysts and data administrators	375	3%
Computer engineers (except software engineers and designers)	360	3%
Telecommunication carriers' managers	310	2%
Information systems testing technicians	95	1%
Broadcast technicians	90	1%

Source: Statistics Canada, 2016 Census of Population

3.2 Economic Impact Assessment

This section of the report provides an assessment of the economic impact associated with Hamilton’s ICT and Digital Media sector. The impact assessment was completed by Metroeconomics at the request of MDB Insight and is based on a sub-provincial employment projection system and on the following Statistics Canada information sets:

- Census 2016 data regarding employment in Hamilton on a place-of-work basis by detailed industry at the 4-digit NAICS level
- Sources and uses information regarding the Ontario economy by detailed industry in 2014; and
- Gross Domestic Product information for Ontario by industry from 2016 through to 2018

Appendix III provides a description of metroeconomics’ Community-Based Projection System.

The economic importance details Hamilton’s ICT and Digital Media sector output, GDP and Labour Income (\$ millions) and Employment in 2020. It provides a snapshot of the sector’s overall health and enables growth and new business opportunities. Furthermore, using the sub-provincial projection system, the labour market requirements of the sector is detailed for 2020 and projected to 2025. The assessment identifies the top industries within the sector and occupations that will be critical to the continued growth of the sector.

3.2.1 Economic Importance

Figure 14 quantifies the economic importance of the ICT&DM sector to the City. Based on these various sources, it is estimated that in 2020:

- the city’s ICT&DM sector’s output (sales) will reach \$1.623 billion

- its Gross Domestic Product associated with this sector (GDP, the value it adds to the inputs it purchases from other industries) will reach \$845 million
- the sector will pay workers \$470 million in wages and salaries; and
- the sector will employ just over 6,000 people

Figure 14: City of Hamilton Economic Impacts of the ICT & DM Sector in 2020 Output, GDP and Labour Income (\$ millions) and Employment

Economic Concepts	Impacts			
	Direct	Indirect	Induced	Total
Output (\$ millions)	1,623	911	600	3,134
GDP (\$ millions)	845	255	182	1,282
Labour income (\$ millions)	470	87	53	609
Employment	6,008	4,497	3,026	13,531

Source: Statistics Canada various sources and metroeconomics

The sector will indirectly – through its purchases of goods and services from other industries – generate an additional:

- \$911 million in output
- \$255 million in GDP
- \$87 million in wages and salaries; and
- jobs for almost 4,500 workers

Note that it is not possible to determine the extent to which the induced impacts will benefit businesses and workers located in the City of Hamilton since an unknown portion of the inputs will be sourced from businesses located in other parts of Ontario, Canada and the rest of the world.

In addition – since the sector employs people who live in Hamilton or nearby and who spend their incomes in the area – the sector will induce an additional:

- \$600 million in output (sales)
- \$182 million in GDP
- \$53 million in labour income; and
- more than 3,000 more jobs

Overall – through these direct, indirect and induced impacts – the City’s ICT&DM sector leads to:

- more than \$3 billion in sales
- almost \$1.3 billion of GDP
- more than \$600 million in labour income; and
- more than 13,500 jobs

To place these estimates in context:

- the City's GDP in 2020 economy-wide will reach almost \$24 billion measured in constant 2012 dollars; thus, the City's ICT&DM sector directly accounts for 3.5 percent of its GDP
- the City's total employment on a place-of-work basis will reach more than 212,000 this year; thus, the City's ICT&DM sector directly accounts for 2.8 percent of its jobs; and
- that the sector accounts for a much larger GDP share than employment share reflects the fact that productivity in the sector significantly exceeds the average economy-wide level (Note that these shares do not include the indirect or induced impacts).

3.2.2 Labour Market Requirements To 2025

Metroeconomics also developed a correspondence between the 44 6-digit NAICS industries identified by MDB Insight as defining the ICT&DM sector and 2016 Census data regarding employment by industry at the 4-digit level. That procedure, coupled with metroeconomics' detailed estimates and projections of the City's employment by industry at the 4-digit level, led to the estimate in the previous section that just over 6,000 people will be directly employed in the ICT&DM sector in Hamilton in 2020. It is projected that the sector's total employment will grow to almost 6,700 in 2025. Thus the sector will employ almost 700 more people in 2025 than is the case today.

Figure 15 shows the employment estimates for 2020 and the projection for 2025 for the ICT&DM sector into the 22 4-digit industries that correspond to the 44 6-digit industries cited earlier:

- within the sector as a whole, the most important from an employment viewpoint across all occupations is computer systems design and related services (NAICS code number 5415); this industry alone accounts for 1,733 of the sector's total of 6,008 employees or 29%.
- the next most important are other information services (5191) at 769; wired telecommunications carriers (5171) at 707; specialized design services (5414) at 603; motion picture and video industries (5121) at 559; and radio and television broadcasting (5151) at 359; collectively these 5 industries account for 2,997 jobs (or half of all the jobs in the sector).

MDB Insight identified 15 occupations considered of critical importance to the sector. These 15 collectively account for 2,163 of the 6,008 people employed by the ICT&DM sector in 2020, or 36 percent of the sector's total. The gains in employment within the sector for the selected group of 15 occupations are also indicated by industry in Figure 15. Computer systems design and related services – which, as noted above, employs 29 percent of all those employed within the sector – employs 54 percent of those employed in the sector in the 15 selected occupations.

Figure 15: City of Hamilton ICT & DM Sector Employment Estimated for 2020 and Projected for 2025 All Occupations and 15 Selected Occupations

ICT & Digital Media Industries (NAICS)	All 500 Occupations			15 Selected Occupations		
	2020	2025	Change	2020	2025	Change
Total All Industries	212,327	231,041	18,714	7,128	7,667	538
Total ICT and Digital Media Sector Industries	6,008	6,693	685	2,170	2,462	293
Computer and peripheral equipment manufacturing	19	16	-3	5	5	-1
Communications equipment manufacturing	57	50	-8	20	17	-3
Audio and video equipment manufacturing	0	0	0	0	0	0
Semiconductor and other electronic component manufacturing	92	86	-6	21	19	-1
Navigational, measuring, medical and control instruments manufacturing	119	123	4	24	25	1
Manufacturing and reproducing magnetic and optical media	0	0	0	0	0	0
Computer and communications equipment and supplies merchant wholesalers	196	177	-18	72	65	-7
Software publishers	135	165	30	77	94	17
Motion picture and video industries	559	682	123	56	68	12
Sound recording industries	99	121	22	3	4	1
Radio and television broadcasting	359	363	4	43	44	0
Pay and specialty television	10	13	2	1	2	0
Wired telecommunications carriers	707	684	-23	237	229	-8
Wireless telecommunications carriers (except satellite)	182	166	-16	52	48	-5
Satellite telecommunications	15	15	0	6	6	0
Other telecommunications	100	122	22	35	43	8
Data processing, hosting, and related services	74	90	16	32	39	7
Other information services	769	889	120	63	72	10
Specialized design services	603	669	66	220	244	24
Computer systems design and related services	1,733	2,081	348	1,174	1,409	235
Business schools and computer and management training	56	52	-5	5	5	0
Electronic and precision equipment repair and maintenance	121	128	7	23	24	1

Source: *metroeconomics*

The projections summarized in **Figure 15** have significant importance for the City (note that the percent changes cited below are not included in **Figure 14**):

- total employment City-wide across all industries and occupations is expected to grow by 8.8 percent between 2020 and 2025

- total employment in the ICT&DM sector across all occupations is expected to grow 11.4 percent
- total employment City-wide for the 15 selected occupations is expected to grow 7.6 percent; and
- total employment for the selected 15 occupations within the ICT&DM sector only is projected to grow 13.5 percent

The total need for new workers across the 15 selected occupations as a group is 538, of which 293 will be needed by the ICT&DM sector and the rest by other industries. Thus, the sector faces significant competition from other industries in the area for the skills crucial to its continued success. The 22 industries in the ICT&DM sector employ 2,170 workers in the selected 15 occupations while all industries as a whole employ 7,128. **Figure 16** indicates the relative importance of the number employed in each occupation within the ICT&DM sector relative to their employment economy-wide. Key insights include:

- economy-wide the ICT&DM sector employs 30 percent of all those employed in the group of 15 selected occupations
- the ICT&DM sector dominates in the employment of people employed as telecommunication carriers’ managers (NOCs number 131) at 87 percent, and broadcast technicians (5224) at 84 percent
- the sector accounts for at least 40 percent of those occupied in the City as software engineers and designers (2173) at 47 percent; graphic designers and illustrators (5241) at 43 percent; information systems testing technicians (2283) at 42 percent; computer programmers and interactive media developers (2174) at 41 percent; and computer engineers (except software engineers and designers) (2147) at 40 percent
- the sector accounts for between 20 and 40 percent of those employed as web designers and developers (2175) at 39 percent; information systems analysts and consultants (2171) at 27 percent; computer and information systems managers (213) at 26 percent; and user support technicians (2282) at 22 percent

The ICT&DM sector is not the dominant employer for the remaining 4 occupations.

Figure 16: City of Hamilton ICT & DM Sector Employment Estimated for 2020 and Projected for 2025 All Occupations and 15 Selected Occupations

ICT & Digital Media Occupations (NOC)	22 ICT&DM Industries	All 303 Industries	ICT&DM % Share
Total ICT and Digital Media Sector Selected Occupations	2,163	7,134	30
Telecommunication carriers’ managers	103	118	87
Computer and information systems managers	167	640	26
Electrical and electronics engineers	61	439	14
Computer engineers (except software engineers and designers)	88	220	40
Information systems analysts and consultants	469	1714	27
Database analysts and data administrators	40	235	17
Software engineers and designers	205	436	47

ICT & Digital Media Occupations (NOC)	22 ICT&DM Industries	All 303 Industries	ICT&DM % Share
Computer programmers and interactive media developers	351	858	41
Web designers and developers	95	246	39
Electrical & electronics engineering technologists & technicians	49	444	11
Computer network technicians	126	656	19
User support technicians	96	429	22
Information systems testing technicians	32	77	42
Broadcast technicians	20	24	84
Graphic designers and illustrators	260	598	43

Source: *metroeconomics*

Figure 15 indicated that the ICT&DM sector would require almost 300 new workers between 2020 and 2025 across the 15 selected occupations as a group. Exhibit 6 breaks this total down into the number to be required over that span in each of the 15 occupations. Figure 17 indicates that within the City’s ICT&DM sector:

- the largest need is for 76 additional information systems analysts and consultants (2171);
- the next largest need is for 63 computer programmers and interactive media developers (2174);
- another 33 workers will be required for each of software engineers and designers (2173) and graphic designers and illustrators (5241); and
- another 26 computer and information systems managers (213) will be required.

These 5 occupations collectively account for 79 percent of the total need of 293 workers across the 15 selected occupations within the ICT&DM sector. Those industries that employ people in these 15 occupations in the City – both those inside and outside of the ICT&DM sector – will need to recruit new workers (a) as their businesses grow and (b) because a number of the workers in these occupations will retire over that span. The total recruitment needs for each of these occupations faced by employers City-wide are summarized in Figure 18. Considering the 15 occupations as a group, employers over the next 5 years will need to recruit:

- 538 workers to fill the positions created by economic growth and
- 201 new workers to fill the positions that arise due to retirements.

The greatest total needs by occupation (economic growth plus retiree replacement) include:

- 193 information systems analysts and consultants (2171);
- 102 computer programmers and interactive media developers (2174);
- 70 computer network technicians (2281);
- 66 graphic designers and illustrators (5241); and
- 58 computer and information systems managers (213).

- These 5 occupations collectively account for two-thirds of the City’s requirements for new workers across all industries for the group of 15 selected occupations.

Figure 17: City of Hamilton ICT & DM Sector Employment Total and by 15 Selected Occupations Estimated for 2020 and Projected for 2025

ICT & Digital Media Occupations (NOC)	Employed		Economic Demand
	2020	2025	2020 to 2025
Total ICT and Digital Media Sector Selected Occupations	2,170	2,462	293
Telecommunication carriers’ managers	103	102	-1
Computer and information systems managers	167	193	26
Electrical and electronics engineers	61	63	2
Computer engineers (except software engineers and designers)	89	94	6
Information systems analysts and consultants	470	546	76
Database analysts and data administrators	40	46	6
Software engineers and designers	206	238	33
Computer programmers and interactive media developers	352	415	63
Web designers and developers	95	112	17
Electrical and electronics engineering technologists and technicians	49	51	1
Computer network technicians	127	141	14
User support technicians	97	108	12
Information systems testing technicians	32	38	6
Broadcast technicians	20	21	1
Graphic designers and illustrators	261	294	33

Source: *metroeconomics*

Figure 18: City of Hamilton Employment in 15 Selected Occupations Projected Economic Demand and Retiree Replacement Demand 2020 to 2025

ICT & Digital Media Occupations (NOC)	Employed		Economic Demand	Retiree Replacement Demand	Total Demand
	2020	2025	20 to 25	20 to 25	20 to 25
Total 15 Selected Occupations Across All 303 Industries	7,128	7,667	538	201	739
Telecommunication carriers’ managers	117	116	-1	1	0
Computer and information systems managers	639	687	48	11	58
Electrical and electronics engineers	438	449	10	29	40

ICT & Digital Media Occupations (NOC)	Employed		Economic Demand	Retiree Replacement Demand	Total Demand
	2020	2025	20 to 25	20 to 25	20 to 25
Computer engineers (except software engineers and designers)	220	230	10	7	17
Information systems analysts and consultants	1,713	1,857	144	49	193
Database analysts and data administrators	234	250	16	9	25
Software engineers and designers	437	477	40	8	48
Computer programmers and interactive media developers	859	943	84	17	102
Web designers and developers	247	273	26	1	27
Electrical and electronics engineering technologists and technicians	442	465	23	20	44
Computer network technicians	654	702	48	22	70
User support technicians	428	456	28	10	39
Information systems testing technicians	77	85	8	1	8
Broadcast technicians	24	25	1	0	1
Graphic designers and illustrators	599	651	52	14	66

Source: *metroeconomics*

3.3 Sector Benchmark Analysis

In addition to understanding the nature and characteristics of the ICT and Digital Media Sector, Hamilton’s ICT & Digital Media sector was benchmarked against those in select peer regions, to determine overall success in the growth of the sector.

The ten selected geographies were the City of Toronto, City of Markham, Kitchener-Waterloo, City of London, City of Ottawa, City of Calgary, City of Halifax, City of Winnipeg and the GTHA (Greater Toronto and Hamilton Area). The regions were selected based on:

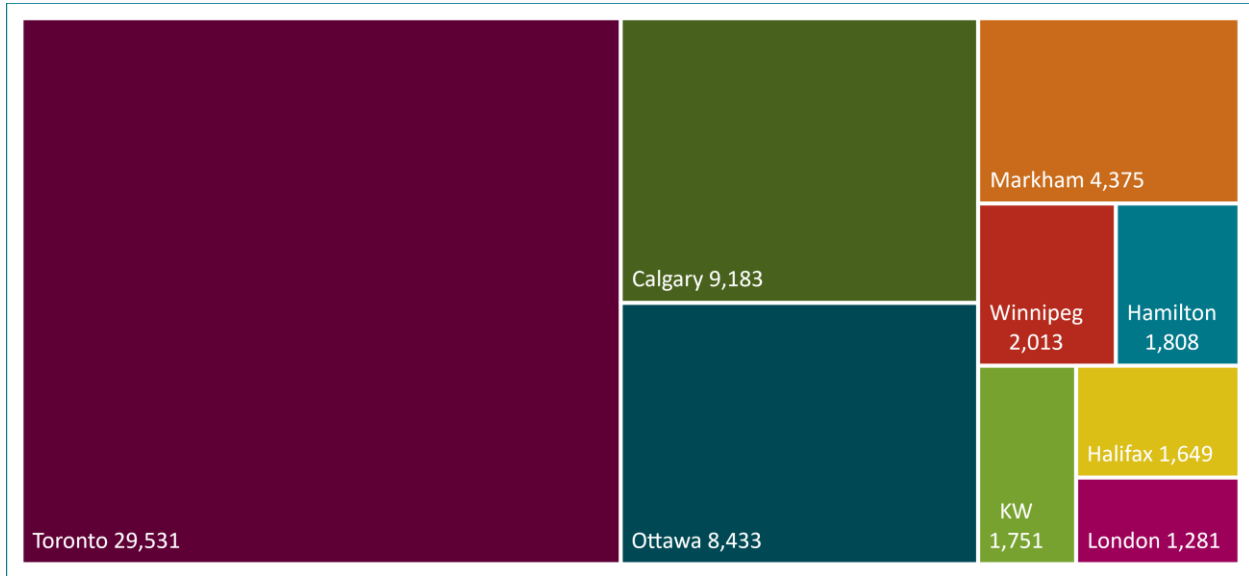
- Size and nature – urban centres
- ICT and Digital Media assets and amenities
- A critical mass of technology-based industries

3.3.1 Industry Size and Concentration

As per the Canadian Business Counts, a total of 1,808 businesses were classified as ICT & Digital Media Industries. This relates to 4% of all industries in the city and 3% of all GTHA ICT & Digital Media businesses. Placing Hamilton in the context of the Province and the Nation, it can be said that ICT & Digital Media Industries at 4% is lower than the provincial rate at 6% and 5% in Canada. As shown in [Figure 19](#), Hamilton’s ICT & Digital Media business counts are comparable to counts in Kitchener-

Waterloo, London, and Halifax. The city of Toronto with 29,531 businesses in the sector accounts for 45% of all GTHA and 33% of Ontario’s ICT & Digital Media businesses.

Figure 19: Number of ICT and Digital Media businesses, 2019

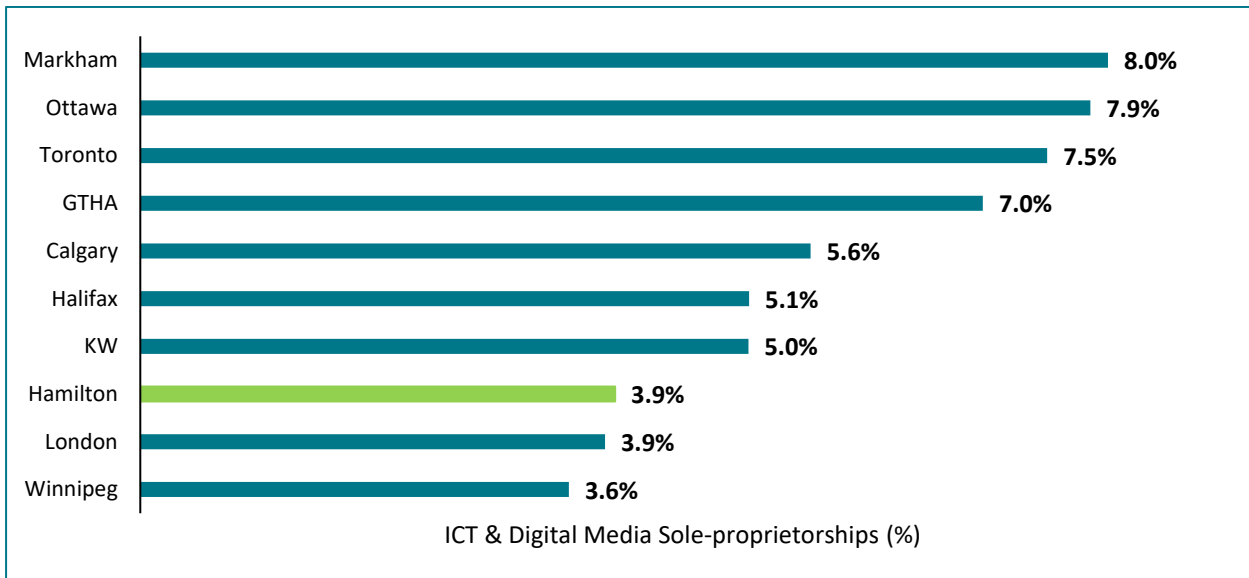


Source: Canadian Business Counts, June 2019

As shown in **Figure 20**, 3.9% of ICT & Digital Media businesses in Hamilton are sole-proprietorships. While sole-proprietorships by definition, are not job creators, these businesses are an important part of the entrepreneurial ecosystem. Within the sector, many sole-proprietorships perform functions such as consulting, IT specialists, software, and design agents.

Compared to comparator communities, Hamilton’s percentage of sole-proprietorships is lower than the GTHA average and is comparable to London and Winnipeg. Communities such as Markham, Ottawa and Toronto show a higher proportion of sole-proprietorships, possibly due to the presence of anchor firms. These communities have more developed sectors with high quality and innovative anchor/flagship firms. These firms act as incubators, enabling knowledge, innovation and business model spillover that can result in the overall growth of sole-proprietorships and enable existing sole-proprietorships to improve their business competitiveness, resulting in a high-value small business sector.

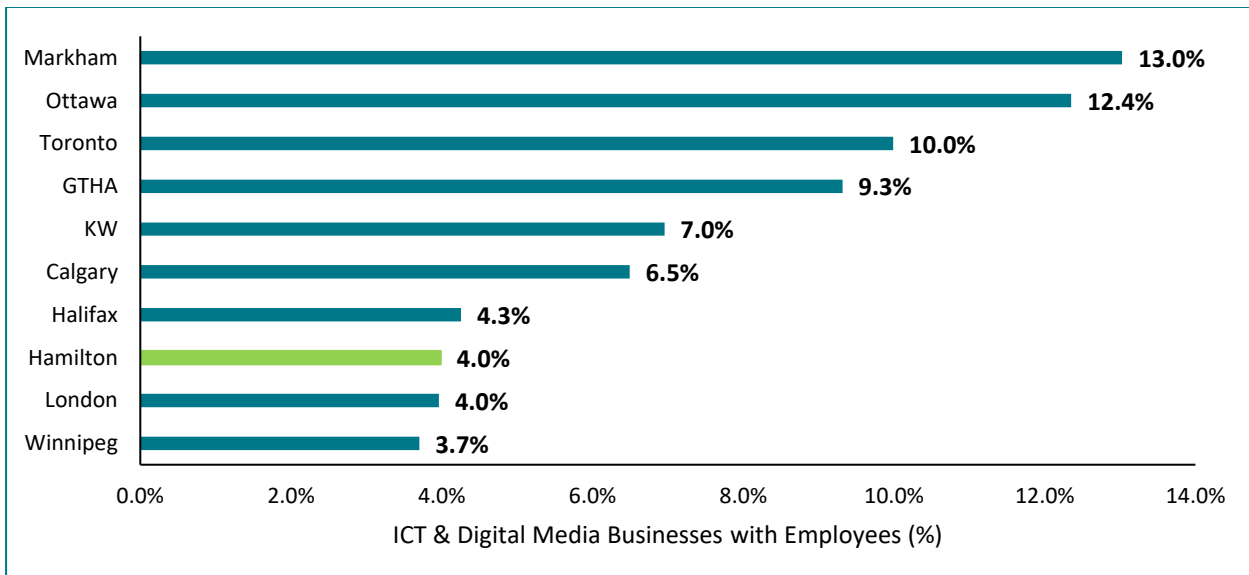
Figure 20: ICT & Digital Media Sole-proprietorships (%), 2019



Source: Canadian Business Counts, June 2019

Figure 21 shows the percentage share of ICT & Digital Media businesses with employees. Similar to sole-proprietorships, Hamilton has a lower proportion of ICT & Digital Media businesses with employees. Markham, Ottawa, and Toronto show a higher proportion of employee establishments, which may indicate that those communities are a desired destination for high-tech firms.

Figure 21: ICT & Digital Media Businesses with Employees (%), 2019



Source: Canadian Business Counts, June 2019

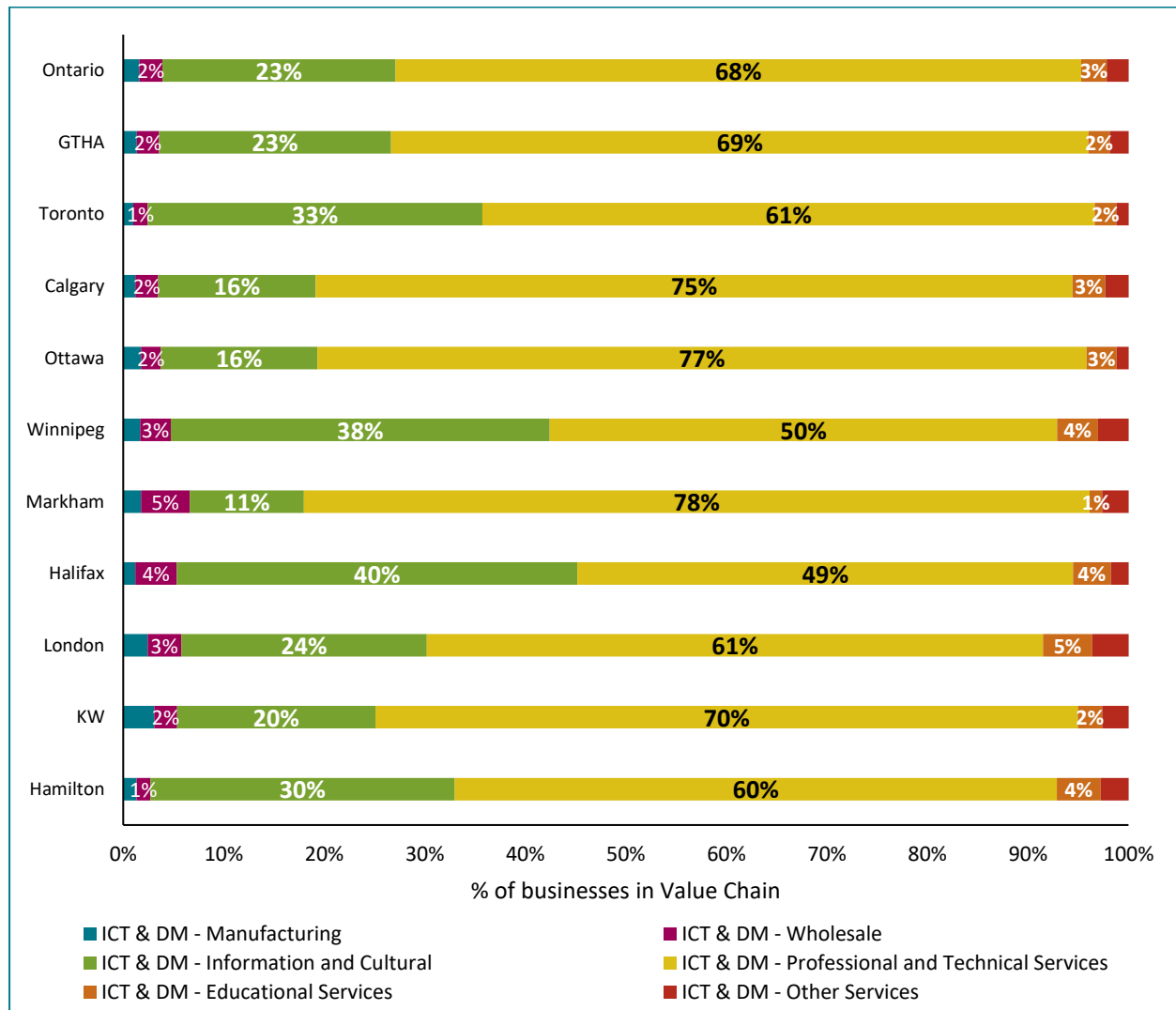
As illustrated in **Figure 22**, while firms in the ICT & DM – manufacturing and wholesale are comparable across all comparator communities, the largest differences are in core sub-sectors including ICT & DM - professional and technical services and information and cultural services.

Approximately 30% of firms in Hamilton are in information and cultural services and is comparable to Toronto at 33% and ranks higher than Markham, Ottawa, Calgary, KW, London and the GTHA. Hamilton ranks lower than Winnipeg and Halifax.

Approximately 60% of firms in Hamilton are in professional and technical services and is comparable to Toronto and London at 61%. Hamilton ranks higher than Winnipeg and Halifax and lower than KW, Calgary, Ottawa, and Markham.

Approximately 4.4% of firms in Hamilton are in educational services. Hamilton ranks higher than almost all communities in this subsector and is only lower than London at 4.9%.

Figure 22: ICT & Digital Media Businesses by Sub-sectors, 2019

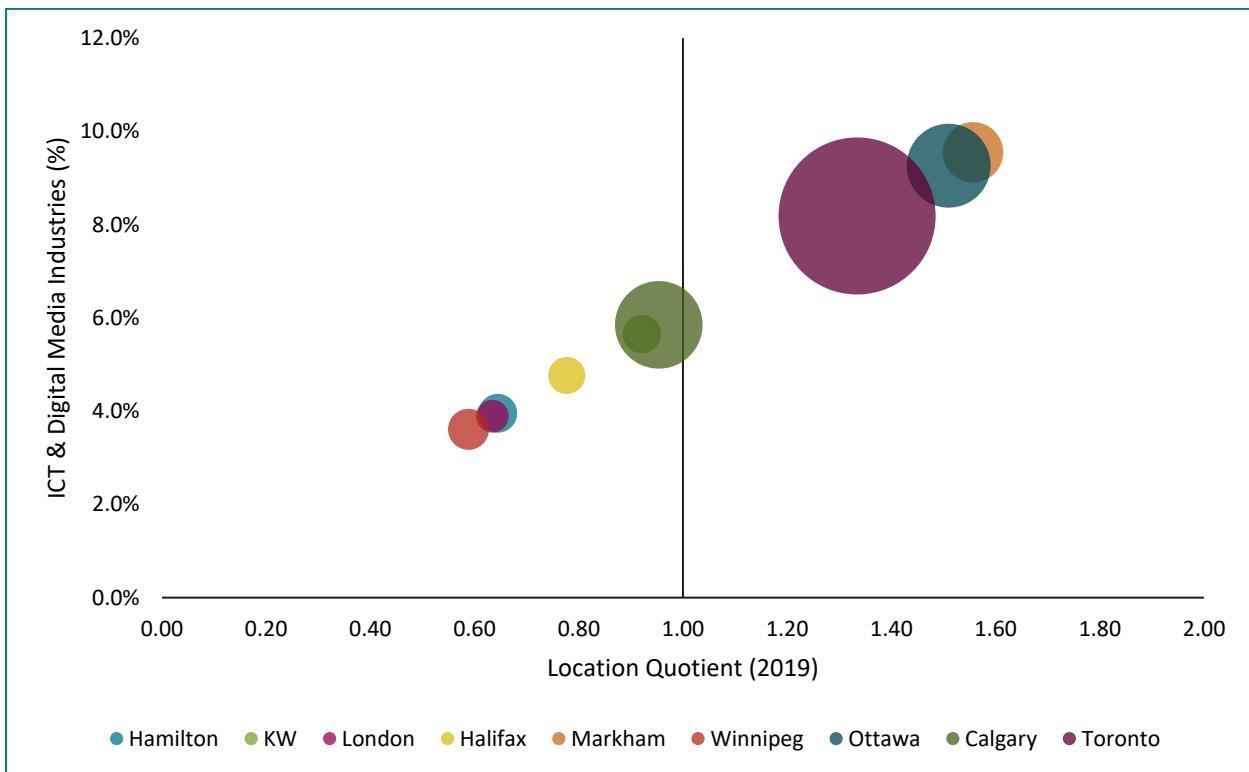


Source: Canadian Business Counts, June 2019

Hamilton’s ICT and Digital Media sector concentration (LQ) and % of ICT & Digital Media Industries in 2019 were analysed in relation to regional comparators. **Appendix III** provides a description of Location Quotient (LQ). Studying **Figure 23** provides the following insight:

- The bubble size indicates the number of ICT and Digital Media businesses in each community in 2019 (this is similar to Figure 19)
- Hamilton’s ICT and Digital Media sector concentration with an LQ of 0.64, shows that the concentration of businesses in the city is below the provincial average of 1.00
- Markham (LQ 1.56), Ottawa (LQ 1.51) and Toronto (LQ 1.33) show high LQ’s indicating that ICT & Digital Media are highly concentrated in these communities. In tandem with the high LQ’s, these communities show a higher % of ICT & Digital Media Industries when compared to Hamilton and the Province.
- Hamilton’s ICT and Digital Media sector concentration are comparable to the cities of London and Winnipeg.

Figure 23: Percentage of ICT and Digital Media businesses and Industry Concentration, 2019



Source: Canadian Business Counts, June 2019

3.3.2 Industry Labour Force

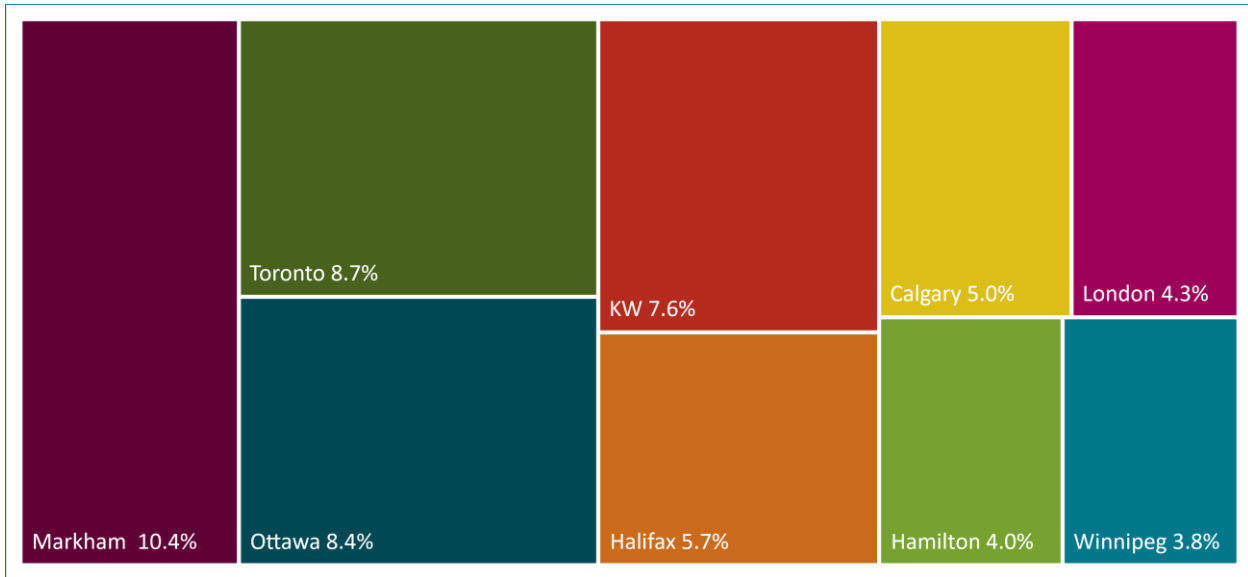
The labour force analysis showed that in 2016, Hamilton had a labour force of approximately 10,745 people in the ICT & DM Industries, accounting for 4% of the total labour force. Hamilton’s labour force percentage in the sector is lower than the provincial rate of 6% and Canada at 6%.

Furthermore, Hamilton accounted for 4% of the GTHA’s labour force compared to the city of Toronto with a labour force of 124,830 in the sector, representing 47% of the GTHA’s labour force.

As shown in

Figure 24, Hamilton’s ICT & Digital Media labour force percentage is comparable to rates in Winnipeg (3.8%), Hamilton (4.0%) and London (4.3%). The city of Markham leads among comparator communities in terms of the sector labour force with 10.4%, followed by Toronto and Ottawa.

Figure 24: ICT and Digital Media Labour force, 2016



Source: Statistics Canada, 2016 Census of Population

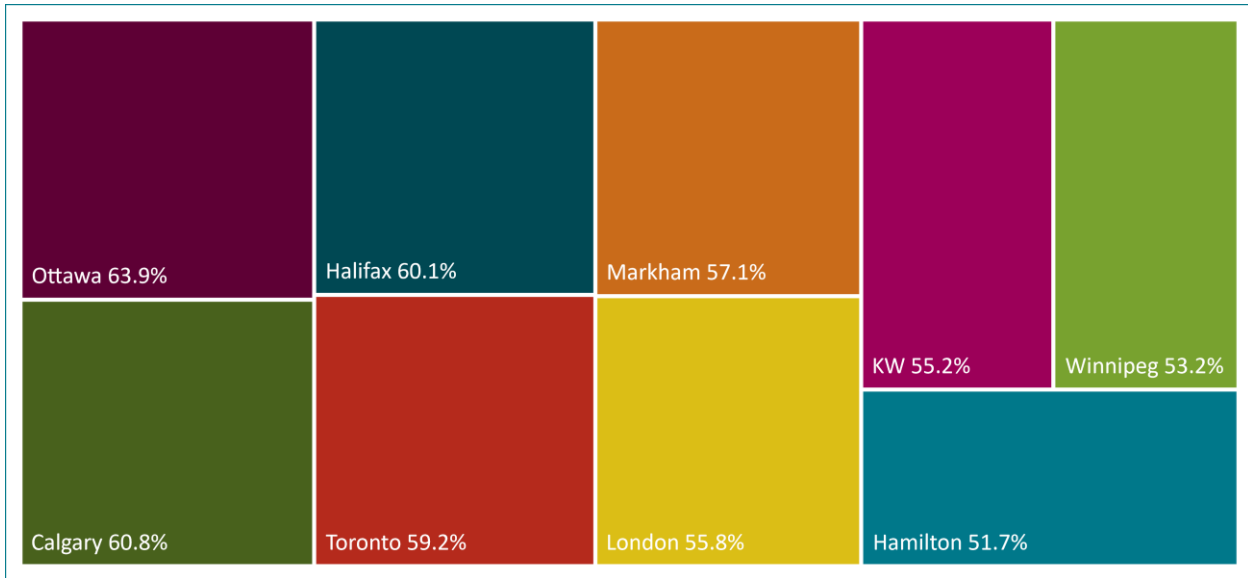
3.3.3 Education Levels

Measuring the share of the population with a post-secondary degree often correlates with the overall health and prosperity of a community and enables an assessment of the skilled talent available to participate in the ICT & Digital Media sector.

Figure 25 illustrates the share of the population (15 years or older) with a post-secondary degree. Over 51% of Hamilton’s population has a post-secondary degree.

Hamilton’s share of the population with a post-secondary degree is lower than all other comparator communities. Ottawa ranks highest at 64%, followed by Calgary at 61%. The GTHA and provincial rates are at 57.4% and 55% respectively.

Figure 25: Percentage of Population with Post-Secondary Degree, All Fields of Study, 2018

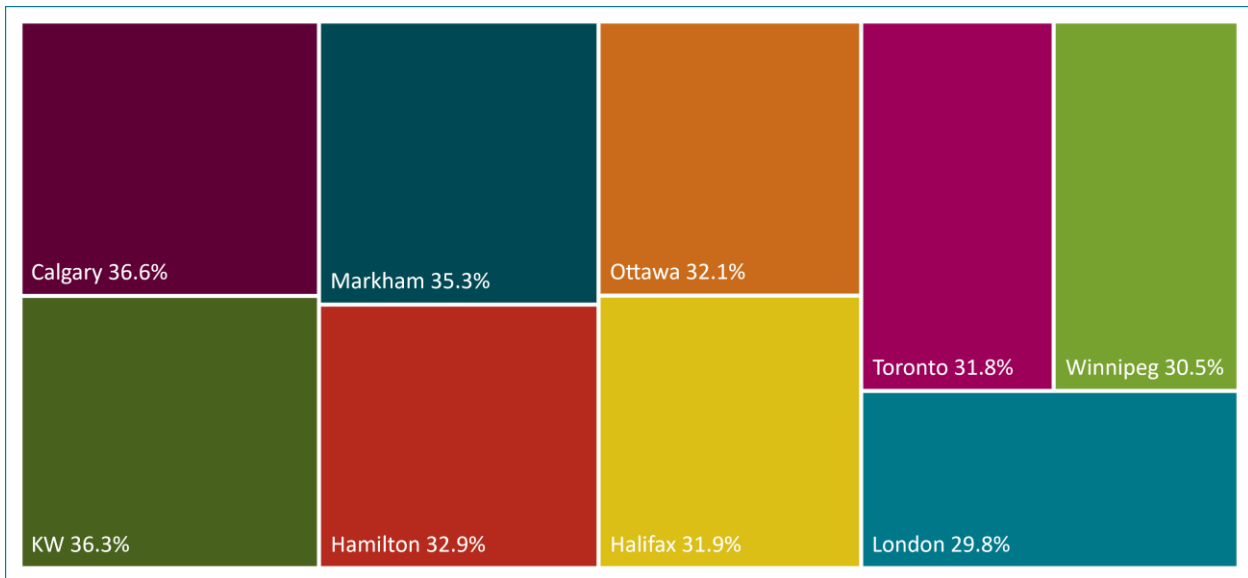


Source: Manifold data, 2018

Hamilton’s share of population post-secondary degrees in all fields of study are comparable to Ottawa, Halifax and Toronto and is higher than Winnipeg and London. Calgary ranks highest at 37%, followed by Kitchener-Waterloo at 36%. The GTHA and provincial rates are at 32.8% and 33% respectively.

Figure 26 presents a further examination of the share of the population with a post-secondary degree with degrees related to ICT & Digital Media. Broad fields of study associated with the sector include visual and performing arts, and communications technologies, mathematics, computer and information sciences, physical and life sciences and technologies and engineering, and related technologies. Hamilton’s share of population post-secondary degrees related to the sector are comparable to Ottawa, Halifax and Toronto and is higher than Winnipeg and London. Calgary ranks highest at 37%, followed by Kitchener-Waterloo at 36%. The GTHA and provincial rates are at 32.8% and 33% respectively.

Figure 26: ICT & Digital Media Related Fields of Study, 2018

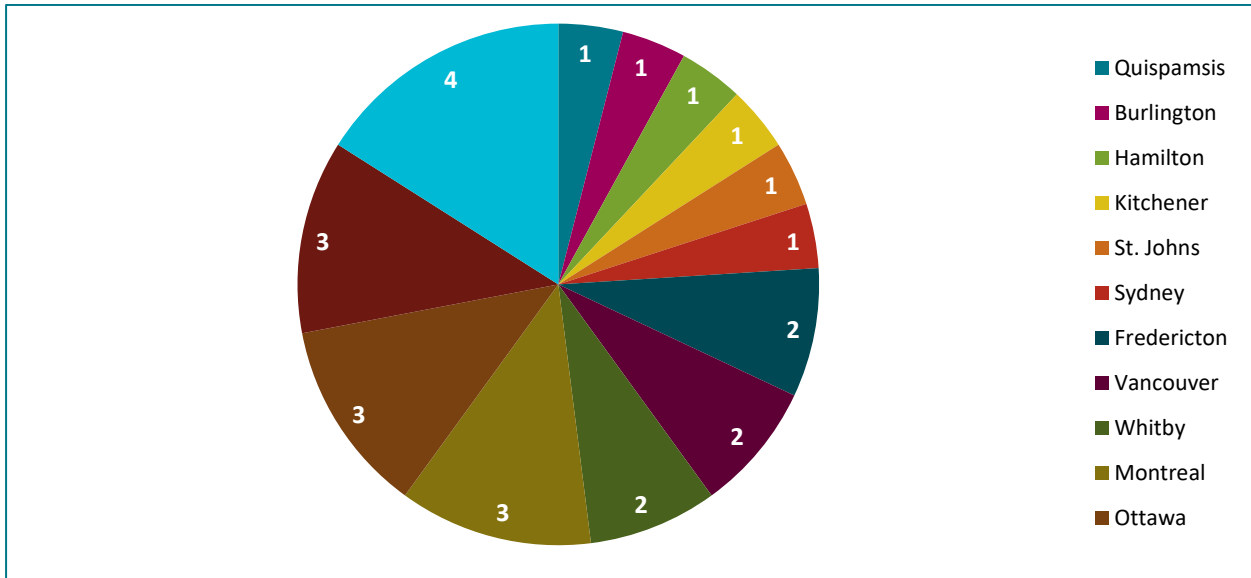


Source: Manifold data, 2018

3.3.4 Top 25 ICT

- The BRANHAM300 is an annual ranking of Canadian tech companies, providing insights on the Top 250 Canadian ICT Companies, Top 25 ICT Multinationals and Top 25 ICT Up and Comers.
- As per the survey results, the Canadian ICT sector has seen a major growth thrust. The performance of the companies reflects the continual maturation and growth of the Canadian ICT Industry as a key economic contributor and rising brand both domestically and globally. Key insights of the survey include:
 - In 2018, the Top 250 Canadian ICT Companies (ranked by revenue) generated cumulative revenue of \$115.3 Billion in fiscal 2018 compared to \$106.3 Billion in the previous year. This represents a year-over-year revenue increase of 8.5%, compared to 1.14% growth in fiscal 2017.
 - In fiscal 2018, the top 25 multinationals generated \$89.5 Billion in this country, an 12.4% increase over the \$79.6 Billion total the year prior. Notable growth performers include Facebook, up an impressive 35%, and Amazon up 33%.
 - Hamilton is listed as a place for one of the Top 25 ICT Up and Comers in the country (Figure 27). The Top 25 ICT Up and Comers are defined by Branham Group as promising young companies at the beginning of their successes. It is the only Branham300 list not based on revenue. Nine (36%) of this year's class of 25 Up and Comers are from Atlantic Canada. This reflects the increasing focus on ICT innovation in this region of Canada.

Figure 27: Top 25 ICT Up and Comers by City, 2018



Source: BRANHAM300, 2018.

3.4 ICT and Digital Media Asset Inventory

In addition to the analysis of Business Counts, the Key Findings Report also includes an asset inventory (or business listing) for Hamilton’s ICT and Digital Media sector. The asset inventory was developed using various sources of data, namely,

- Dun & Bradstreet, Inc.
- City of Hamilton business List
- City of Hamilton Salesforce List
- Software Hamilton List

The data from the various sources were categorized based on three factors (a): corresponding ICT & Digital Media NAICS and (b): a description of business activities (c): listed phone numbers. The four data sources were combined to remove duplicates and errors and create one ‘master list’. A total of 500 assets were determined to be in the final directory that was used to develop the asset inventory. The same asset inventory was used to administer the ICT, and Digital Media Business Survey discussed later in this report.

The complete asset inventory list is provided to the client in an excel format. The asset inventory forms a baseline for the City to build upon and develop a comprehensive business directory for the sector.

The key insights that emerged from this exercise are described below:

Information and Communications Technologies (ICT) and Related – Approximately 376 businesses were identified as ICT. These include core ICT sectors such as custom computer programming and support services, software publishers and developers, telecommunications, data processing,

hosting, and related services, and wholesalers. ICT firms engaged in sectors including healthcare, digital media, engineering and advanced process and business services also form part of the asset inventory. The core sectors within this include:

- **Custom Computer Programming and Support Services** – Approximately 125 businesses were identified in this sub-sector. Firms include those that are involved in custom computer programming services (72 firms), computer system design services (38 firms) and computer and office machine repair and maintenance.
- **Telecommunications** – Approximately 90 businesses were identified as Telecommunication firms. These firms are engaged in providing telecommunications and/or video entertainment services over their own networks or over networks operated by others and include Wired telecommunications carriers and wireless telecommunications carriers (except satellite).
- **Data Processing, Hosting, and Related Services** – Approximately 32 businesses were identified in this sub-sector. Firms are primarily engaged in providing hosting or data processing services and include automated data processing, computer services and video and audio streaming services.
- **Software Publishers and Related** – Approximately 34 businesses were identified in this sub-sector. Firms are primarily engaged in publishing computer software, usually for multiple clients and generally referred to as packaged software.
- **ICT Wholesalers** – Approximately 5 businesses were identified in this sub-sector, primarily engaged in the merchant wholesale distribution of computers, computer peripheral equipment, loaded computer boards, and/or computer software.
- **Design & Digital Media** – Approximately 105 businesses were identified as Design & Digital Media firms. These include both support and core firms including graphic designers, design studios, film and animation studios. Digital design marketing and advertising agencies were also identified as part of the subsector.

The asset inventory analysis shows that there is a significant opportunity for the City to build upon this baseline and build a comprehensive and current business directory. The 2019 Canadian Business Counts shows a total of 1,808 businesses compared to the 500 businesses identified in the inventory. A comprehensive business directory is an important tool for the City to grow and support the ICT and Digital Media sector. In addition, it can also serve as a resource for local firms to gain visibility in the local and regional market, improve their brand, identify industry partnerships and business resources, and support available to grow and improve the customer base.

3.5 Summary of Observations

The following section provides high-level insights into the sector current economic performance.

ICT & Digital Media Businesses

Hamilton's ICT & Digital Media sector is a dynamic and global economic sector that has experienced a

steady increase from 1,487 enterprises in 2016 to 1,808 industries in 2019⁶. This relates to a net increase in 321 firms or a 22% growth from 2016 to 2019. The sector has grown at a faster pace than all other industry sectors in the city, which showed a growth rate of 16% for the same period.

The sector is dominated by small, single operator firms. Of the 1,808 businesses, accounting for 4% of all industries in the city, the majority are sole proprietorships (68% of all businesses). While sole-proprietorships by definition, are not job creators, these businesses are central to the economic growth and the viability of the local supply chain. Within the sector, many sole-proprietorships perform functions such as consulting, IT specialists, software, and design agents. The sector is also characterized by micro-establishments employing between 1-4 employees (23% of all businesses) or small businesses employing between 5-9 employees (5% of all businesses).

The strong economic performance of Hamilton's ICT & Digital Media sector has been driven by the professional and technical services, which saw a net increase from 915 firms in 2016 to 1,083 firms in 2019. This subsector accounts for 60% of all ICT and Digital Media industries. Computer systems design and graphic design are some of the services driving growth within the sub-sector.

Another major growth driver is information and cultural services with 547 businesses in 2019, witnessing a high growth rate of 35% from 2016 to 2019 (net increase of 141 firms). The majority of businesses in this subsector are *Motion picture and video production firms* (202) while 30 businesses are involved in the publishing of software. Digital media is an important aspect of these industries for the production and delivery of content including motion pictures, videos, television programs or commercials.

As per the 2018 ICT Sector Snapshot, growth in these subsectors is primarily driven by technologies including Cybersecurity, data analytics and artificial intelligence. The shift to cloud computing delivery models is also a primary driver of growth, given that these models have led to declines in the prices of several IT services, resulting in stronger demand for these services. It has also resulted in the outsourcing of data storage and management, in turn, creating stronger growth in the sector.

ICT & Digital Media Economic Impact

Hamilton's ICT & Digital Media sector makes a strong and growing contribution to its economy. As per current-year estimates, GDP associated with this sector will reach almost \$1.3 billion⁷. The city's GDP in 2020 economy-wide will reach almost \$24 billion measured in constant 2012 dollars; thus, the ICT & Digital Media sector directly accounts for 3.5% of its GDP.

Of the \$1.3 billion in GDP contributions, direct GDP associated with this sector will reach \$845 million. Economic contributions have posted strong growth of 7.4% from \$787 million in 2016 to \$845 million in 2020; only one percentage point lower than the rest of Hamilton economic growth.

It is further estimated that through direct, indirect, and induced impacts, the city's ICT & Digital Media sector leads to more than \$3 billion in sales in 2020⁸. Of this, approximately 54% or \$1.623 billion is directly associated through sales in the sector.

In addition to GDP and sales growth, the sector has witnessed labour force and associated income growth. Through direct, indirect, and induced impacts, the sector leads to more than \$600 million in

⁶ Canadian Business Counts, December 2016 & 2019.

⁷ metroeconomics' Community-Based Projection System.

⁸ Ibid.

labour income and a labour force of more than 13,500⁹. Direct impacts of the sector will pay workers \$470 million in wages and salaries and employ just over 6,000 people.

To place these estimates in context, the ICT & Digital Media sector directly accounts for 2.8% of all total jobs in the city. The sector's direct productivity in the sector significantly exceeds the average economy-wide level as reflected in the much larger GDP share than employment share.

ICT & Digital Media Employment

As per current-year estimates, approximately 10,993 people are employed in Hamilton's ICT & Digital Media ecosystem¹⁰. This includes 6,008 ICT & Digital Media professionals working in Hamilton's ICT & Digital Media sector and 4,985 ICT & Digital Media professionals working in non-ICT & Digital Media industries.

The ICT & Digital Media sector employing 6,008 people accounts for 2.8% of all total jobs in the city. This includes 2,170 ICT & Digital Media professionals working in the ICT & Digital Media sector (20% of total) and approximately 3,838 non-ICT & Digital Media professionals working in the ICT & Digital Media industry (35% of total).

Of the 2,170 ICT & Digital Media professionals working in the ICT & Digital Media sector, the majority are employed within the computer systems design industry, accounting for 1,733 or 54% of all occupations. Employment in this sector is projected to grow by 13% to 2,462 jobs in 2025. Hamilton has particular opportunities to capitalize on this sector and realize growth. As evidenced in the 2018 ICT Sector Snapshot, the Canadian software and computer industries accounted for the largest share in GDP contributions, with 48% of \$86.5 billion in 2018. The sector is also a major player in R&D expenditures and export-oriented growth.

ICT & Digital Media Occupations

Of the 2,170 ICT & Digital Media professionals working in the ICT & Digital Media sector, the top five occupations are information systems analysts and consultants, computer programmers and interactive media developers, graphic designers and illustrators, software engineers and designers and computer and information systems managers.

Hamilton's ICT & Digital Media sector dominates in the employment of people employed as telecommunication carriers' managers at 87% and broadcast technicians at 84%. The sector also accounts for between 40 - 47% of software engineers, designers, graphic designers and illustrators, information systems testing technicians, computer programmers and interactive media developers and computer engineers (except software engineers and designers).

Labour Market Requirements and Skills Supply

Based on estimates, Hamilton's ICT & Digital Media sector would require almost 300 new workers between 2020 and 2025¹¹. The largest need is for 76 additional information systems analysts and consultants, followed by 63 computer programmers and interactive media developers. Approximately, 33 workers will be required for each of software engineers and designers, and graphic designers and illustrators and 26 computer and information systems managers will be required.

⁹ Ibid.

¹⁰ metroeconomics' Community-Based Projection System. Adapted by MDB Insight.

¹¹ metroeconomics' Community-Based Projection System.

These five occupations collectively account for 79% of the total need for workers. It is estimated that Hamilton's ICT & Digital Media sector will need to recruit new workers (a) as their businesses grow and (b) because some portion of the workers in these occupations will retire over that span.

The occupational data shows that the ICT and Digital Media sector is characterized by a knowledge-intensive workforce, with a great need for post-secondary educated workers. Given that approximately 52% of Hamilton's population 15 years or older hold a university degree across all industries sectors, the city has the skilled talent needed to participate in the ICT & Digital Media sector. Further analysis shows that 33% of Hamilton's population have post-secondary degrees related to ICT & Digital Media. Broad fields of study associated with the sector include visual and performing arts, communications technologies, computer, and information sciences, providing evidence for the sector to meet its current and future labour force requirements.

ICT and Digital Media Sector Benchmark

Placing Hamilton in the context of the Province and Canada, it can be said that ICT & Digital Media Industries at 4% is lower than the provincial rate at 6% and 5% in the country.

Hamilton's ICT & Digital Media business counts are comparable to counts in Kitchener-Waterloo, London, and Halifax. The city of Toronto with 29,531 businesses in the sector accounts for 45% of all GTHA and 33% of Ontario's ICT & Digital Media businesses. Communities such as Markham, Ottawa and Toronto have a more established ICT & Digital Media sector and a higher proportion of anchor firms. It is understood that high quality and innovative anchor/flagship firms act as incubators, enabling knowledge, innovation, and business model spillover. This, in turn, will allow small businesses to improve their overall business competitiveness, resulting in a high-value business ecosystem.

It is understood that Hamilton's share of the population with a post-secondary degree is lower than all other comparator communities. Ottawa ranks highest at 64%, followed by Calgary at 61%. The GTHA and provincial rates are at 57% and 55% respectively.

Hamilton's share of population post-secondary degrees related to the sector are comparable to Ottawa, Halifax and Toronto and is higher than Winnipeg and London. Calgary ranks highest at 37%, followed by Kitchener-Waterloo at 36%. The GTHA and provincial rates are at 32.8% and 33% respectively.

4. Sector Consultation & SWOT Analysis

To further inform strategy development and recommendations for Hamilton's ICT & Digital Media sector, a comprehensive consultation process was undertaken. Consultations with stakeholders included a business survey, targeted phone interviews and an in-community workshop. The focus of the consultation process was an examination of the nature and current state of Hamilton's ICT & Digital Media sector, challenges and opportunities associated with the sector and the role played by Hamilton Economic Development and Partners in advancing these opportunities. The stakeholder interviews and workshops provided responses to several core questions identified for the Strategy, including:

- What challenges do the ICT & Digital Media businesses face in Hamilton?
- What is working well in the ICT & Digital Media sector in Hamilton? What initiatives should be undertaken to make the sector competitive in Hamilton/Ontario?
- What role should Hamilton's economic development partners play in advancing these opportunities?

4.1 ICT and Digital Media Business Survey

A statistically valid CATI survey was administered by MDB Insight in January 2020 to ICT and Digital Media businesses in Hamilton.

The survey was designed in consultation with the City of Hamilton Economic Development Staff and further informed through stakeholder interviews with local businesses in the sector. The survey aimed to gain insight into the current business environment, business satisfaction levels and the skills needs of businesses in the sector. The full result of the business survey is provided in **Appendix IV**. The key insights that are emerged are described below.

4.1.1 Respondent Profile

Approximately 80 businesses in the sector provided input to the study. Respondents included software firms, IT consulting services, website design, marketing and advertising agencies, computer services and telecommunication carriers. The majority of respondents were micro and small businesses, employing between 1 to 4 full-time employees (46%) or 5 to 9 full-time employees (25%). Majority of respondents indicate that they do not employ part-time workers; 56% of businesses do not employ any part-time workers.

When asked to identify the 'primary reason for operating your business/operation in Hamilton', 65% of respondents indicated that they are residents of the city. 18% of businesses operate their business/operation in Hamilton due to proximity to customers, while 8% identified access to business supply chain as the primary reason. 16% of businesses also indicated that they relocated their business to Hamilton from another municipality.

4.1.2 Business Environment

Majority of respondents are in the early growth stage of their business; approximately 55% (44

Source: MDB Insight, CATI Survey, 2019

Figure 29: Cross-tabulation of business growth stage by stage of international business opportunity

Which of the following best describes your stage of business?		Which of the following best describes your interest in international business opportunities?			
Stage	%	Initial stage (We are in research and planning)	Mid-stage (We are developing strategies)	Late-stage (We are actively pursuing international business opportunities)	We are not considering international business opportunities now
Growth (Revenues & customers are increasing)	55%	7%	7%	34%	52%
Established (business has reached maturity)	25%	10%	10%	25%	55%
Expansion (exploring new markets and distribution channels)	18%	29%	21%	14%	36%
Decline (declining business opportunities and/or market share)	3%	0%	0%	50%	50%
Exit Stage (cash out or shutting down)	0%	0%	0%	0%	0%

Source: MDB Insight, CATI Survey, 2019

4.1.3 Skill Requirements

Only 13% of respondents indicated that the availability of skilled workers in Hamilton for their business needs as ‘excellent’ while the majority; approximately 39% indicated the rate of available skilled workers as ‘fair’.

When asked to indicate skills that are in highest demand for their business, respondents mentioned skills, personal attributes and knowledge descriptor used for the execution of tasks and activities. Skills and personal attributes mentioned include communication and interpersonal skills, customer service, marketing, and sales skills. In terms of knowledge descriptors, respondents identified the need for software programmers and developers, knowledge related to computer and information sciences and support services, including computer programming and data processing. Respondents also indicated the need for experienced graphic designers. Web and game design were other attributes that were mentioned. IT support was another major knowledge descriptor that respondents identified. Examples include technical IT skills, computer repair and telecommunication networking.

4.1.4 Business Satisfaction

Businesses were also asked to rate their satisfaction levels with various factors of owning and operating their ICT and Digital Media business in Hamilton. **Figure 30** shows the satisfaction levels of businesses with various business factors.

Majority of businesses indicated ‘Don't know/Not applicable’ when asked satisfaction levels with municipal property tax rates, availability of property for purchase or lease, quality of business support programming, access to capital/availability of public funding and support programs and access to Light Rail Transit (LRT). This indicates a possible gap as businesses may not be aware of the business support programming that the city provides or that businesses have not accessed any of these services for their needs. Businesses seem ‘Very Satisfied’ with the quality of broadband/hi-speed Internet; 38% indicated high satisfaction and a further 36% said they are ‘Somewhat Satisfied’. Businesses also indicated satisfaction with attracting and retaining skilled talent and attracting new customers.

Figure 30: Business Satisfaction with various Factors

Factors	Very Satisfied		Somewhat Satisfied		Somewhat Dissatisfied		Very Dissatisfied		Don't know/Not applicable		Total
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	
Municipal property tax rates	2	3%	28	35%	8	10%	10	13%	32	40%	80
Availability of property for purchase or lease	9	11%	26	33%	13	16%	4	5%	28	35%	80
Quality of business support programming	18	23%	21	26%	7	9%	5	6%	29	36%	80
Attracting and retaining skilled talent	17	21%	35	44%	11	14%	7	9%	10	13%	80
Attracting new customers	15	19%	31	39%	13	16%	6	8%	15	19%	80
Quality of broadband/hi-speed Internet	30	38%	29	36%	10	13%	10	13%	1	1%	80
Access to capital/Availability of public funding and support programs	6	8%	20	25%	12	15%	10	13%	32	40%	80
Access to Light Rail Transit (LRT)	4	5%	11	14%	4	5%	13	16%	48	60%	80

Source: MDB Insight, CATI Survey, 2019

Businesses were also asked if they have accessed any of business support funds and/or programs that the City provides or any provincial or federal funding programs. The results are illustrated in **Figure 31**. The majority of respondents indicated not being familiar with any of the funds and/or programs. These include Innovation Factory Programs & Services, Hamilton’s Soft-Landing Program, Hamilton Business Centre and the Office Tenancy Assistance Program. Businesses did indicate that they would be like to be notified of future networking or tradeshow opportunities, indicating opportunities for the City to connect with local businesses.

Figure 31: Familiarity of businesses with Programs & Services

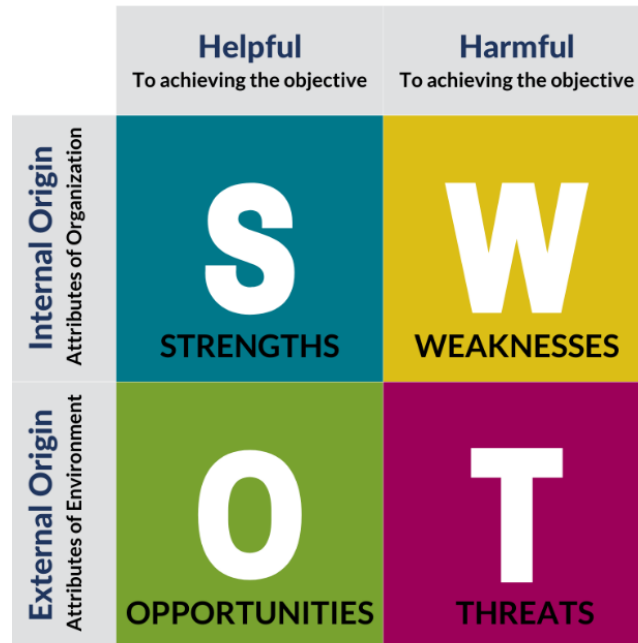
Programs & Services	Have accessed		Heard of it but not accessed		Not familiar		Total
	Count	Percentage	Count	Percentage	Count	Percentage	
Innovation Factory Programs & Services	18	23%	20	25%	42	53%	80
Hamilton’s Soft-Landing Program	2	3%	6	8%	72	90%	80
Hamilton Business Centre (formerly Small Business Enterprise Centre)	8	10%	28	35%	44	55%	80
One-Stop for Business	1	1%	8	10%	71	89%	80
Business Improvement Area Commercial Property Improvement Grant Program	5	6%	17	21%	58	73%	80
Office Tenancy Assistance Program	0	0%	6	8%	74	93%	80
Provincial funding programs	11	14%	16	20%	53	66%	80
Federal funding programs	11	14%	19	24%	50	63%	80

Source: MDB Insight, CATI Survey, 2019

4.2 SWOT Analysis

The insights that emerged from the consultation were pivoted to frame a SWOT (strengths, weaknesses, opportunities, and threats) assessment of the ICT & Digital Media sector. The SWOT, in turn, articulates a value proposition that is unique and compelling for Hamilton’s ICT & Digital Media sector and aims to enhance the competitive advantage within Hamilton and the region. A well-defined value proposition will result in a focused set of recommendations that form the basis for future sector development activities.

Complete results from the sector consultation are provided as *Appendix II: Consultation Summary*. The results of the SWOT assessment are summarized below.



4.2.1 Strengths

- **Location Advantage:** Hamilton’s central location as part of the Greater Toronto and Hamilton Area (GTHA) and Canada’s Innovation Corridor¹², ensures a strong economic zone with strengths in manufacturing and technology and provides easy access to a network of highways, international airport, and ability to reach internal markets.
- **Affordable City:** As per the 2018 Manifold data, Hamilton’s median dwellings values at \$415,623 is on average \$150,000 – \$415,000 less than comparator communities including Ottawa, Calgary, Toronto, and Markham. Rental rates in Hamilton are also lower compared to Toronto, Markham, and Ottawa and comparable to the Kitchener - Cambridge – Waterloo region. These estimates show that Hamilton is still considered an affordable alternative to comparator communities.
- **Talent & Innovation Cluster:** The presence of key post-secondary institutions, including McMaster University and Mohawk College, Hamilton Technology Centre, McMaster Innovation Park, and Innovation Factory (iF), among others has ensured that the city has a network of strategic business resources to help ICT companies in Hamilton.
- **Responsive Educational Institutions and Programs:** Hamilton’s post-secondary institutions are effective in responding to industry needs. The Joint McMaster University & Mohawk College Bachelor of Technology Program, Mohawk College’s Graphic Design Advanced Diploma and Master of Technology Entrepreneurship and Innovation are key examples of universities enabling talent with technology and digital skills.
- **Skilled Labour Force:** 33% (81,355 people) of Hamilton’s population have post-secondary degrees related to ICT & Digital Media. Broad fields of study associated with the sector include visual and

¹² Canada's Innovation Corridor is the Toronto-Waterloo Region Corridor. <https://thecorridor.ca/>

performing arts, communications technologies, computer, and information sciences, providing evidence for the sector to meet its current and future labour force requirements.

- **Favourable Business Size:** Stakeholders mentioned that Hamilton is large enough to realize a critical mass but small enough to support community networks and communication. Relatedly, start-ups and small businesses feel that they are included and considered an integral part of the business environment.
- **Strong Business Environment:** As per the Canadian Business Counts, a total of 1,808 businesses were classified as ICT & Digital Media Industries. Businesses in the sector are also witnessing an increase in counts; the sector saw a net increase of 321 firms or a 22% growth from 2016 to 2019. Hamilton's ICT and Digital Media sector have grown at a far higher pace than all other industry sectors in the City, which showed a growth rate of 16% for the same time period.
- **Economic Contribution of the Sector:** GDP associated with this sector will reach almost \$1.3 billion¹³. The city's GDP in 2020 economy-wide will reach almost \$24 billion measured in constant 2012 dollars; thus, the ICT & Digital Media sector directly accounts for 3.5% of its GDP.
- **Software and Computer Services:** The software and computer services which include software publishers, computer systems design, and data processing is a major growth driver for the City. This sector is an integral part of the Canadian ICT sector and thus provides investment synergies for City.
- **Innovation in Healthcare:** Hamilton has an increased focus on IT integration, innovation, and commercialization in the health care sector. The presence of Hamilton Health Sciences (HHS) and the CREATE (CentRE for dAta science and digiTal hEalth) and Mohawk College eHealth & mHealth Development and Innovation Centre (MEDIC) along with healthcare IT firms are critical in this regard.
- **Hamilton Economic Development:** Majority of businesses consulted through stakeholder interviews identified that they have a strong relationship with Hamilton Economic Development. Businesses feel they can approach the Economic Development team for their business needs.

4.2.2 Weakness

- **Gaps in Transportation Infrastructure:** Stakeholders identified that gaps in public transportation are affecting the ability of employees to commute to work, and businesses to attract young, knowledge workers to the downtown core. They pointed to a need for increased frequency of GO and LRT at high-density transit hubs.
- **Downtown Revitalization Gaps:** Perspectives shared by stakeholders identified that Hamilton's downtown does not provide a stimulating and appealing environment for investment. Furthermore, the downtown is disconnected, and businesses find it difficult to access downtown spaces and services, including restaurants, cultural and recreation opportunities.
- **Gaps in Talent Retention and Attraction:** Stakeholders identified that hiring and retaining skilled talent is a major challenge affecting business growth and expansion. While there is a robust talent pool of new graduates, businesses are finding it difficult to hire and retain experienced talent.

¹³ metroeconomics' Community-Based Projection System

Businesses do offer internships and training programs to train new graduates. However, it is hard to find local talent with the right technical skills, for example, software developers & IT sales.

- **Labour Outflow:** Hamilton shows an outflow of its ICT & Digital Media labour force to surrounding communities, including Burlington, Toronto, Mississauga, and Oakville. The greatest outflow is in the professional, scientific, and technical services. This suggests that the local sector does not have enough job opportunities to employ the local labour force.
- **Businesses Unable to Reach Critical Mass:** Stakeholders suggested that small businesses in the sector are unable to self-sustain and scale-up. Challenges identified by businesses related to this include lack of investment, employee turnover and lack of brand identity.
- **A Dearth of Anchor Firms:** Stakeholders suggested that Hamilton is witnessing momentum in the growth of the ICT & Digital Media sector. However, the sector is dominated by small businesses and start-ups. The lack of anchor or flagship firms is affecting the viability of the sector, the ability to attract top talent and foster new business investment.
- **Gaps in C-level, or C-suite Leadership:** Related to the previous gap, Hamilton suffers from a gap in management expertise. It is understood that high-level executives demonstrate leadership skills and business expertise, as well as team-building abilities and decision-making skills. This is of significance for small and midsize businesses (SMEs) as they can learn from and access the benefits of such a formal structure.
- **Good News Business Strengths are not Communicated:** A theme frequently repeated in consultation with the sector is that businesses in the sector are not marketed effectively, hampering profitability and sustainability.
- **Ineffectual Branding of the City to Attract Business Investment:** Hamilton needs a brand that is attractive to businesses and positions them for investing in the community. There is a need to move away from the 'quality of life' messaging to a more 'what we offer businesses' message. Stakeholders also mentioned that Hamilton is still perceived as 'Blue Collar'. The City's strengths in the knowledge-based and creative economy sectors and cultural life are not recognized.
- **Partnerships are not Leveraged:** The City has several local assets, including educational institutions and incubators. However, a common theme highlighted in consultation efforts was that these partnerships were not fully leveraged. Opportunities exist to research and improve awareness and support to take full advantages of local assets.
- **OTAP not Recognized/Marketed Effectively:** The Office Tenancy Assistance Program (OTAP) is an interest-free loan program that allows business owners to improve their properties through loans worth up to \$450,000 with repayment terms up to five years. However, of the 80 businesses consulted through the business survey, 93% are not familiar with the Program.
- **Gaps in finding appropriate Physical Space:** Businesses indicated difficulties in finding appropriate space for their needs. While the Economic Development team is helpful in site selection, red tape and difficulties dealing with building and planning departments affect the development approvals process.
- **Poor Profile of Business Support Funds and/or Programs:** The business survey results suggest that Hamilton's businesses are not aware/familiar with Programs & Services provided by Hamilton

Business Centre, Innovation Factory, Hamilton's Soft-Landing Program, and the Business Improvement Area Commercial Property Improvement Grant Program. Stakeholder interviews further indicated that Hamilton economic development needs to effectively communicate the support services that they offer.

4.2.3 Opportunities

- **Focus on Success Stories:** Feedback from the business stakeholders identified the need for the city to focus on success stories to create awareness and improve recognition of the sector both within the community and externally.
- **Collaboration among Key Sectors:** Hamilton's focus on digital technology and advanced information technology provides opportunities for targeted growth and development strategies and actions in the creative and FIRE industry sectors.
- **Leverage the Post-Secondary Institutions:** As indicated in the strengths, McMaster University and Mohawk College are effective in responding to industry needs and creating programs. The City should foster more partnerships between industry and educators to create training and support programs that adapt to the new economy.
- **Reshoring Talent:** The commuting patterns data suggest a significant amount of the ICT & Digital Media talent that lives in Hamilton is commuting to other communities to work. Stakeholders identified that there was an appetite to reshore these talents by promoting telework or co-working stations in Hamilton.
- **Dedicated Directory of Businesses:** There is a desire among local businesses to be able to access the City's website or business directory and understand the universe of businesses/support activities within the sector.
- **Increased Awareness for McMaster Innovation Park and Innovation Factory (iF):** Businesses are not fully aware of the differences in McMaster Innovation Park & Innovation Factory and the programs and services offered; they are often viewed through the same lens.
- **City-Owned Incubator:** Appetite among businesses to see a business incubator that is owned and operated by the City. The idea stems from difficulties faced by software start-ups in accessing management training or office space. Businesses also suggested that a business incubator would improve their eligibility to access government funding. It should be noted that Hamilton is home to the Forge and the Hamilton Business Centre. This indicates a lack of awareness among businesses regarding the support systems available in the city.
- **Meet-ups, Mentorships and Networking Events:** Opportunities exist for Hamilton to invest in hosting events and networking to increase collaboration between technology companies, university partners, the city and new talent. The city should provide support to meet-ups (e.g., financing).
- **Changing Mindset:** Hamilton should move away from a competing mindset to a collaboration mindset. Instead of viewing Toronto and Kitchener as competitors, the City should gain a regional mindset, whereby it can leverage the flagship firms and associated opportunities provided by these communities in this sector. The growth of Hamilton's manufacturing sector is viewed as an organic process. The emerging health technology, digital media and creative industries are strengths for the City that should be leveraged by taking a regional approach to development.

4.2.4 Threats

- **'Build to Flip' Mind-Set:** A common theme among Canadian technology-based entrepreneurs is they often start-up with a 'build to flip mindset and opt to exit via acquisition. Thus, a high proportion of start-ups never reach large-scale commercialization in Canada.
- **Unsustainable Start-Up Business Models:** Businesses are factoring the provincial tax credits in their business models, especially in the animation sector, which is highly subsidized. This business model is unsustainable as the wait for the provincial tax credit is too long (takes up to 2 years). Businesses are unable to bridge financing and struggle to stay afloat.
- **Gaps in Commercialization:** Hamilton's university and innovation partners are focussed on research and not commercialization. Late-stage start-ups face difficulties in scaling up and acceleration.
- **Intellectual Property Violations:** Intellectual property threats include threats from unauthorized copying over the internet, threats from hackers, and threats from employees.
- **Gaps in Funding/Venture Capital:** Businesses in the sector lack the funding supply and opportunities that Toronto and Kitchener can access. While firms in Hamilton have access to angel capital, the lack of a deeper venture capital network means that Hamilton firms are unable to participate in the commercialization and scaling up phase which may require financing of at least \$10 million.
- **Sector-based FDI:** Recent research published by EY¹⁴ identified that while there was a dramatic surge in the overall number of FDI projects in the Hamilton region, FDI within the high-tech sector is comparatively low when compared to investments by firms in the mineral industry (energy and metallic minerals sector).
- **Lack of Progressive Regulation:** Within the tech sector, business models are regularly evolving. Governments need to be progressive to respond to these changes and develop and enforce regulations that protect businesses and the community and ensures that investment and innovation continues.
- **Lack of Progressive City Leadership:** Businesses felt that Hamilton's leadership needs to have a more progressive mindset and aggressively engage in opportunities that enhance infrastructure and investment in innovation.
- **Coronavirus (COVID-19) Crisis:** The economic challenges associated with COVID-19 are unprecedented. In addition to the serious implications for people's health and healthcare services, COVID-19 is having a significant impact on businesses and the economy. Businesses are navigating a broad range of interrelated issues that span from keeping their employees and customers safe, ensuring operations and supply chain are viable, shoring-up cash and liquidity, reorienting operations and navigating complicated government support programs.

¹⁴ Toronto Global & Waterloo EDC – Technology & Innovation FDI Strategy Project – December 2019

5. Advancing Hamilton's ICT & Digital Media Ecosystem

5.1 Key Opportunity Areas & Considerations

This section highlights the key opportunities and considerations for Hamilton as it advances its ICT & Digital Media sector.

5.1.1 Niche Sub-sectors

As identified through the SWOT analysis, Hamilton has unique opportunities to capitalize on several niche sectors, including Interactive Digital Media (IDM) and Health based Technologies.

Interactive Digital Media refers to the industry of user engaged digital platforms. As per the Measuring Success report¹⁵, IDM includes games developers and publishers, eLearning software developers, VR/AR/MR developers, VR arcades, mobile app developers, digital advertising firms, interactive site web developers and software developers servicing the above companies.

Hamilton has a number of successful businesses in the digital media space including Q4, Pipeline Studios, Clearcable, Nix Color Sensor, Fluidmedia and Calibre Communications. Supporting these businesses is a network of innovation and education partners. Some key examples include start-up programming provided by Innovation Factory, the Forge accelerator¹⁶, iDeaWORKS and Mohawk College's Graphic Design Advanced Diploma. Also, the AVR Development Lab at Mohawk College functions as a training and research hub for AR/VR (augmented and virtual reality).

As identified in the 2021 ICTC Outlook¹⁷, Virtual and Augmented Reality will be one of the five key technologies driving innovation in Canada. Moreover, as per the Measuring Success report¹⁸, Ontario's IDM companies are expected to see substantial growth over the coming years due to the advancements of businesses in this space. In 2017, the sector generated \$1.66 billion of revenue in 2017 with an implied profit margin of 31%.

Hamilton's technology strengths are also visible in the health sector, specifically in digital health. Opportunities include system integration, interoperability to prototype novel technologies and educating the next generation of digital health entrepreneurs.

The mHealth & eHealth Development and Innovation Centre (MEDIC) at Mohawk College with a focus on digital health serves to bridge the gap between innovative industries and the mobile health and ehealth needs of the healthcare system. In addition to MEDIC, McMaster University offers Canada's only masters in e-Health, designed to build capacity around digital health informatics. Further, the Institute for Applied Health Sciences, a joint collaboration between Mohawk and McMaster, enables real-world

¹⁵ Measuring Success: The Impact of the Interactive Digital Media Sector in Ontario – 2nd edition. 2019

¹⁶ Innovation Factory and McMaster University launched The Forge accelerator, a collaborative workspace in 2014.

¹⁷ The Next Talent Wave: Navigating the Digital Shift – ICTC's Labour Market Outlook Report 2017-2021.

¹⁸ Measuring Success: The Impact of the Interactive Digital Media Sector in Ontario – 2nd edition. 2019

experiences for more than 2,000 students a year.

5.1.2 Collaboration among Key Industry Sectors

As identified in Hamilton's 2016-2020 Economic Development Action Plan, key industry sectors identified for the city include advanced manufacturing, goods movement, agriculture and food processing, ICT & digital media, creative industries, life sciences, finance, insurance, and real estate (FIRE) and tourism.

Given that the permeation of technology across all industries is broadening, the city is well-positioned to leverage industry strengths and cross over opportunities in advanced manufacturing, creative industries, life sciences and the FIRE sector.

Digital media is one of the fastest-growing parts of the creative cultural industries, both as a sector onto itself, tied closely to gaming, and as a force transforming the creation and distribution of a wide range of cultural content. The recent investment of a production hub in the City-owned Barton-Tiffany lands will enable crossover opportunities in post-production, animation, visual effects, and game development.

ICT and the digital economy have given FIRE sector businesses access to big data and analytics, realise operational efficiency and improve customer experience. New technologies such as blockchain could make the financial services industry's infrastructure much less expensive and create seamless financial transactions and automated contractual agreements. Recent trends show that hyper-connectivity¹⁹ will also pave the way for greater product customisation in the health sector. IoT technology has also enabled financial institutions to implement big data analytics to monitor for covert threats.

5.1.3 Leveraging Digital Transformation During COVID-19

As per the 2020 HSBC review of mid- to long-term implications, COVID-19 is significantly impacting on the technology sector, affecting raw materials supply, disrupting the electronics value chain, and causing an inflationary risk on products. However, the impact on the sector is not as significant as some of the hardest-hit sectors such as Commercial Aerospace, Recreation & Culture, Hospitality and Oil & Gas. More positively, disruption in the sector has caused an acceleration of remote working, and a rapid focus on evaluating and de-risking the end-to-end value chain. The report further predicts that in the mid to long-term, the sector will witness a digital transformation and 'servicisation' trend. Remote working, distance learning, online media content, telemedicine, eCommerce, and Real Estate "Servicisation" are among the key industries driving this transformation.

Hamilton is in a unique position to capitalize on their digital businesses and pave the way for digital transformation. A strong digital strategy is critical in this regard. In addition, the following insights can serve as key learnings for the city²⁰:

- Creating a design thinking approach that focuses on end-users or businesses and provides real-time data that shows how suppliers, channel partners, and competitors are responding to the crisis, and how the ecosystem is evolving

¹⁹ Referred to as the 'Internet of Things', big data analytics, sensor technology and the communicating will allow life and health insurers to anticipate risks and customer demands with far greater precision than ever before.

²⁰ <https://knowledge.insead.edu/blog/insead-blog/how-corporates-can-leverage-start-ups-against-covid-19-13756>

- Focus on highly practical challenges – e.g. transforming processes to allow for all-digital or remote working
- Leverage start-ups for problem-solving as they could directly support governments with innovative and fast solutions
- Improve access/visibility to funding for start-ups and public-sector partnerships to close the funding gap created as investors withdraw due to the economic downturn.

5.1.4 ICT & Digital Media FDI Opportunity

As part of the strategy development for the ICT & Digital sector, a potential company targets exercise was completed for the City of Hamilton. The complete results are provided as an excel sheet to the City and form *Appendix III: Hamilton FDI Target List*. Key insights are provided here:

High Priority

- Eighteen potential targets that are larger and medium-sized high growth companies, primarily in ICT and out of California. The rationale for the IDM companies included the rapid expansion of these companies with offices across North America, Europe, and the Asia Pacific. Three of the targets are in IDM while four are in cloud solutions and one Gaming, AR/VR, autonomous vehicles, AI HQ. Cloud applications, Data science/analytics and Video conferencing are identified as sectors that will benefit from the COVID-19 pandemic.
- EdTech is an important sector given the impact of COVID-19. Companies are likely to be experiencing a growth spike due to the surge in remote learning in education. Target companies serving schools as opposed to adults. Sixteen potential targets were identified, the majority of which were HQ leads from the United States.
- Gaming is a strong fit for Hamilton, especially as some companies are beginning to deploy manufacturing applications. Eight potential targets were identified in this sector, the majority of which were cities in the United States, including San Francisco and Santa Monica. The targets include leading Game developers with a global footprint and largest game company in the Americas in terms of revenue and market capitalization. The sector is also identified to be less impacted by COVID-19.

Medium Priority

- Eleven potential targets in sports, the majority of which were sports analytics. It should be noted that a key action of Hamilton's 2016-2020 Economic Development Action Plan is to establish a Sports Analytics Cluster. This sector, while small, is rapidly evolving. Notably, this sub-sector has little or no presence in Canada, so Hamilton could have a first-mover advantage here. This sector is identified to be one of the sectors adversely affected by COVID-19.
- Nine potential targets in motion capture. They show long term prospect and are a great fit for Hamilton as a) it combines sports and manufacturing applications and b) is at the intersection of AR/VR and artificial intelligence. This sector is identified to be one of the sectors adversely affected by COVID-19.

Low Priority

- Twenty-three potential targets that are Toronto's small and high growth companies. These include IDM and software development. A small number of data centres are included. The results of the FDI analysis complements the sector analysis results that identified niche opportunities for Hamilton in IDM. However, it should be noted that Ontario is at a significant competitive disadvantage as compared to Quebec on account of electricity costs. Cloud computing companies are included as a better option.

While these potential targets provide a significant opportunity for Hamilton, it should be noted that the companies have not been qualified and need to be developed through conversations with the company.

5.1.5 City of Hamilton Role

A key insight that emerged from the consultation process was the need for clarity surrounding for Hamilton Economic Development's role in enabling further growth in the ICT & Digital Media sector. Stakeholders also identified a disconnect between the economic development, building and planning departments. Hamilton is home to many innovations and research partners. However, businesses are unaware of the various support and innovation systems available. Relatedly, there is a perception that innovation partners and firms work in silos and opportunities exist to better leverage these to ensure there is no duplication of services.

Considering this, there is a need to shift from a traditional "planner-provider-deliverer" model to an increasingly collaborative "enabler-convener-catalyst-broker" model. The collaboration includes those between and within municipal departments, community partners, business organizations and industries. This will allow the City to pool talent and resources and address growth opportunities in a collaborative and cohesive manner.

The enabler-convener-catalyst-broker model is essential to the health of Hamilton's ICT & Digital Media sector. In a planning and investment role, investing in placemaking initiatives through collaboration between various City departments including Planning, Economic Development and Parks and Recreation, among others, is essential. In a partnership role, Economic Development should continue to establish and sustain relationships with external partners, including education institutions, innovation partners, local businesses, and community partners. In a convener role, the City should build knowledge and strengthen collaboration through regular meet-ups and coordinated programming. Establishing digital platforms for continued communication is also essential.

5.2 Value Proposition

The value proposition for Hamilton's ICT & Digital Media sector has been assembled based on the results of the sector analysis, consultations, and key trends. It goes beyond the traditional messages and focuses on those assets and attributes that can enable the City to realize success in sector-based investment attraction and marketing. In preparing the value proposition for Hamilton's ICT & Digital Media sector, the value proposition for Interactive Digital Media in Ontario and the Toronto-Waterloo Region Corridor was considered.

Though the messaging targeted at the sector is consistent with that of the broader region (i.e. GTHA), it also identifies key factors that differentiate Hamilton from its closest competitors. The value proposition places the highest emphasis on several factors characteristic of most technology-based industries,

including labour force, education and training, local industry and incentives and business support programs. Some of the key differentiating points that should be highlighted to identify Hamilton's position in the ICT & Digital Media sector is described below.

5.2.1 A Strong and Highly Qualified Labour Force

Hamilton is home to a strong and highly qualified labour force of 300,719 as of 2018. Most of this labour force is concentrated in industry sectors, including health care and social assistance, accounting for 13% of the total labour force. Manufacturing and retail trade accounts for 11% of the total labour force, each followed by educational services at 9% and professional, scientific, and technical services at 6%. Hamilton's labour force has grown by 8% within the past two years, an additional 22,074 people. The city is also home to a growing immigrant and multilingual population, at 25% of the total population. Hamilton's immigrant population base is higher than national rates at 22%.

In addition to the strong labour force, Hamilton enjoys a strong employment base in the ICT & Digital Media sector. As per current-year estimates, approximately 10,993 people are employed within Hamilton's ICT & Digital Media ecosystem. The majority of ICT & Digital Media professionals are employed within the computer systems design industry, accounting for 1,733 or 54% of all occupations. Employment in this sector is projected to grow by 13% to 2,462 jobs by 2025.

ICT & Digital Media professionals perform core occupations including information systems analysts and consultants, computer programmers and interactive media developers, graphic designers and illustrators, software engineers and designers and computer and information systems managers.

Hamilton's manufacturing strengths are evident in the digital technology sector, with labour force growth in a number of key IT equipment manufacturing industries (e.g. computers and peripheral equipment, communications equipment, and audio and video equipment manufacturing). Hamilton's ICT & Digital Media sector dominates in the employment of people employed as telecommunication carriers' managers at 87% and broadcast technicians at 84%.

Hamilton's strong employment in a range of ICT & Digital Media industries and occupations provides it with the potential to support the growth of core digital technology industries and peripheral digital technology sector in Hamilton and across the rest of the GTHA.

5.2.2 World-Class Education and Innovation with Unique Digital Technology Focus

As of 2018, over 51% of Hamilton's population 15 years or older have a post-secondary degree. Hamilton's share of the population with post-secondary degrees related to the ICT & Digital Media sector is comparable to Ottawa, Halifax and Toronto and is higher than Winnipeg and London. Broad fields of study associated with the sector include visual and performing arts, and communications technologies, mathematics, computer and information sciences, physical and life sciences and technologies and engineering, and related technologies.

McMaster University and Mohawk College offer relevant programs at the diploma and degree (undergraduate and graduate) level, with unique sector-specific programming in areas that integrate digital technology into other sectors (e.g. health informatics, game development/entrepreneurship, adult education, and digital technology). In addition, the W Booth School of Engineering Practice provides interdisciplinary graduate education through the Master of Technology Entrepreneurship and

Innovation.

Hamilton's unique value proposition focuses on enabling IT integration, innovation, and commercialization in the health care sector. Key innovation partners include Mohawk eHealth & mHealth Development and Innovation Centre (MEDIC). MEDIC works with companies to help them launch and commercialize innovative new healthcare IT products and services, as well as provide a centre of excellence for organizations undertaking interconnected healthcare projects²¹.

McMaster Innovation Park (MIP) offers research opportunities in Hamilton in key industrial areas, including advanced manufacturing and materials, nanotechnology, and biotechnology. Current buildings include the Atrium@MIP, the McMaster Automotive Resource Centre, and the CanmetMATERIALS Laboratory.

Another key value proposition for Hamilton is the focus on Interactive Digital Media and the integration with the creative industries. The Joint McMaster University & Mohawk College Bachelor of Technology Program and Mohawk College's Graphic Design Advanced Diploma provide graduates with the skills to participate in the digital economy. Mohawk College's iDeaWORKS is a key partner, specifically in technologies including augmented & Virtual Reality, IoT and Big data.

The 2019 investment of a production hub in the City-owned Barton-Tiffany lands by Aeon Studio Group (ASG) is expected to create high-value, high-paying jobs in the film sector. Moreover, it will revitalize the brownfield, creating an accessible community that is conveniently located next to the West Harbour GO station and near our future LRT. This investment is of critical importance to the ICT & Digital Media sector as it enables crossover opportunities in post-production, animation, visual effects, and game development.

5.2.3 A Growing Digital Economy Industry Base

Hamilton has an emerging technology cluster where firms drive innovation, growth, and productivity. The city is home to 1,808 firms, including core digital technology companies in professional and information technology services and support firms in ICT manufacturing, ICT wholesale, education and maintenance and repair to support the sector.

Hamilton's industry base is slightly more characteristic of entrepreneurs and small businesses, with a slightly higher profile of self-employed than across the rest of the GTA. The strong economic performance of Hamilton's ICT & Digital Media sector has been driven by the Professional and Technical Services. Computer systems design and graphic design are some of the services driving growth within the sub-sector.

Other major growth drivers are the motion picture and video production firms and businesses involved in the publishing of software. Digital media is an important aspect of these industries for the production and delivery of content including motion pictures, videos, television programs or commercials.

Educational support services are comparatively higher in Hamilton than across the GTHA, providing the city with unique strengths, specifically in digital health and interactive digital media. Hamilton's ICT manufacturing industries are comparable to communities across the GTHA and represent a consistent market for new digital technology product and service integration and innovation.

²¹ <https://investinhamilton.ca/wp-content/uploads/2019/06/EcDev-0916-ICT-Knowledge-Brochure-NEW.pdf>

5.2.4 Hamilton is a Strong Base for ICT & Digital Media Growth and Investment

The operating cost environment in a jurisdiction is an important factor for each of the targeted sectors. From a business perspective, locating in Hamilton allows firms to run leaner operations compared to the well-known industry locations such as Toronto and Markham. From a talent perspective, Hamilton provides highly skilled workers with a much lower cost of living compared to most other locations in the GTA. Considering the demand for office market across the GTA, Hamilton's market is well-positioned to offer downtown office space with lower lease rates.

Hamilton offers a range of office and commercial spaces that have the potential to support these targeted industry activities on a temporary and permanent basis, which is further enhanced by a comparative lack of traffic congestion and parking issues that are often experienced in other larger municipalities. Recent investments made by co-working space providers have also introduced teleworking options and short-term rental-based spaces.

The Office Tenancy Assistance Program²² also provides financial assistance to either building owners or tenants for eligible leasehold improvements to office buildings located within Downtown Hamilton, Community Downtowns, the Mount Hope / Airport Gateway, Business Improvement Areas (BIAs) and the commercial corridors along Barton Street, east of the Barton Village BIA and along Kenilworth Avenue North as identified in the Downtown and Community Renewal Community Improvement Project Area By-law. The intent of the Program is to facilitate the increased attractiveness and marketability of the office stock and reduce the office vacancy rate by attracting new office tenants, and owner-occupied office uses from outside the City, and to assist existing businesses to expand. Acting as a lender, the City provides financial support for the Program in the form of a zero-interest loan.

The ICT & Digital Media sector benefits from a supportive government at the local, provincial, and federal levels. As identified in the Hamilton Economic Development Strategy, the sector is a priority sector. The Provincial government is a key ally in helping to promote the industry across Ontario and around the world. Specific to the sector, the provincial and federal government offers incentives aimed at digital media, production, and animation companies.

²² Ibid.

6. ICT and Digital Media Sector Action Plan

The primary focus of the City of Hamilton ICT & Digital Media Sector FDI Strategy was to build a strong body of knowledge to inform subsequent, research, consultation, and strategy formulation.

The recommendations and associated actions for Hamilton’s ICT and Digital Media Sector build on Canada's Economic Strategy Tables: Digital Industries. The Economic Strategy Tables—a new model for industry-government collaboration—were announced as part of the Government of Canada's Innovation and Skills Plan to support economic growth in six key sectors, including digital industries.

The recommendations that follow help position and prepare the City for future sector investment and strategic planning.

Recommendation #1: Foster an ICT & Digital Media Growth Environment	
Why is this important?	<p>Firms in Hamilton’s ICT & Digital Media sector have mentioned barriers to productivity and commercialization, communication, and collaboration.</p> <p>Hamilton has the unique opportunity to foster higher levels of productivity and innovation in the ICT & Digital Media sector by understanding the needs of local businesses, having access to up to date market research and responding to market signals.</p>
Outcome	A cohesive sector with the data, support services and networks to enable business growth, innovation, and investment.
Actions	<ul style="list-style-type: none"> ▪ Use statistically valid survey tools to better understand the issues faced by firms in the sector, including barriers to commercializing and bringing new technologies to market. A bi-annual Triage BR+E survey will effectively measure the health of local businesses. ▪ Explore the feasibility of creating an online asset map tool which showcases Hamilton’s ICT & Digital Media businesses and support systems (e.g. Waterloo EDC Market data²³). This will ensure that existing firms are aware of key service providers and local/regional supply chain linkages and also act as a marketing tool. ▪ Create and host signature events that allow businesses to engage with resources and partners that strengthen and grow the sector. ▪ In partnership with the creative sector, existing co-working spaces and innovation partners, work toward co-locating independent artists, arts and culture non-profit groups, and small digital and interactive technology firms.

²³ <https://www.waterlooeDC.ca/en/market-data/market-data.aspx>

	<ul style="list-style-type: none"> ▪ Explore the feasibility of collaborating with Hamilton’s Creative Exchange, to examine crossover benefits between Hamilton’s creative industries and Digital Media. ▪ Support the development of an industry-driven peer organization to enable professionals to share challenges and best practices. (e.g. Toronto’s TechConnex or Communitech Peer2Peer Network). ▪ Consider the development of an ICT & Digital Media Sector Council comprising of industry partners (similar to Mississauga’s Industry Sector Councils). The Council should also include representation from post-secondary and innovation partners, City department and the Mayor’s Office.
Recommendation #2: Support Skills Development, Talent Attraction and Retention	
<p>Why is this important?</p>	<p>Hamilton is one of the 25 up-and-coming global tech talent markets²⁴. As home to McMaster University and Mohawk College, the city is a significant source of a skilled tech talent pipeline. However, firms in the sector mention challenges with attracting and retaining talent and difficulties in hiring skilled talent with the technical skills to perform tasks. Hamilton also has management expertise.</p> <p>There is a significant opportunity to further leverage the post-secondary institutions and innovation partners to provide a talent pipeline enables sector growth.</p>
<p>Outcome</p>	<p>A world-class quality talent pipeline committed to mutual success ensures local firm growth and serves as a global marketing tool for the city.</p>
<p>Actions</p>	<ul style="list-style-type: none"> ▪ Leverage Workforce Planning Hamilton to develop projects that will provide accurate and current information on the evolving Tech-based labour market. ▪ Continuously engage with local businesses to understand their evolving skill needs. A dedicated resource such as university students could be engaged to reach out to local businesses. ▪ In understanding the skill needs of local firms, engage with academic partners to develop training and retraining programs to ensure that the talent has the right skills to participate in the labour force. ▪ As a facilitator, convene a quarterly forum, inviting CEO’s and technology leaders of firms in Hamilton and the GTHA to share insights with Hamilton firms to grow their management expertise (similar model to Platform Calgary CEO roundtable). ▪ In conjunction with firms in the sector, examine opportunities to encourage continuous workplace learning for students whereby students receive on the job experience or training. ▪ Leverage the flexible Joint Intellectual Property Policy of McMaster University to drive research into commercialization and entrepreneurship.

²⁴ 2019 CBRE scoring tech talent report. The study reviewed cities based on their ability to attract and grow tech talent.

Recommendation #3: Targeted Investment Attraction in Niche Sectors	
Why is this important?	<p>While FDI increased significantly, there is room for growth in the ICT/digital media sector, which accounts for only 4% of all industries in the City.</p> <p>Hamilton has the unique opportunity to identify medium and large companies in niche sectors to improve its competitive positioning and long-term growth prospects. This will also enable the city to reverse the labour leakage that it is currently witnessing.</p>
Outcome	A growth sector with ongoing investment in niche industries, enhanced competitiveness, and job creation.
Actions	<ul style="list-style-type: none"> ▪ Regularly monitor foreign direct investment (FDI) opportunities in niche sectors, including Interactive Digital Media and Digital Health. ▪ Explore the possibility of designating an ICT & Digital Media Industry expert who can advise Hamilton’s Economic Development team on niche sector opportunities. ▪ Develop high-quality marketing materials that highlight Hamilton’s unique sector-based value proposition. ▪ Assess the opportunity for targeted financial incentives for attracting businesses to the sector. Develop targeted incentives can enable the attraction of firms and ensure that Hamilton is able to foster growth in HQ and flagship firms.
Recommendation #4: Showcase Hamilton’s ICT & Digital Media Sector through Marketing and Branding	
Why is this important?	<p>Hamilton is still perceived as ‘Blue Collar’ by potential investors looking to locate in the GTHA.</p> <p>There is a unique opportunity for Hamilton to highlight its value proposition, including niche sectors, industry sector collaboration, FDI opportunity, and ability to leverage digital transformation during COVID-19.</p>
Outcome	A global Hamilton brand with a unique value proposition that is effectively marketed to local, regional, and international markets.
Actions	<ul style="list-style-type: none"> ▪ Continue to raise the profile of both start-ups and established digital and interactive enterprises both within the community and externally to better support accelerated innovation and firm growth. ▪ Create a central hub of information on the labour force profile, events and networking sessions, funding opportunities, partner information, existing business profiles, business support services and research and development opportunities. ▪ In addressing the need for businesses support and services, promote existing supports, including Hamilton Business Centre and Innovation Factory.

	<ul style="list-style-type: none"><li data-bbox="370 275 1419 411">▪ Create a local ICT & Digital Media Sector campaign that highlights business retention and attraction efforts. Develop targeted marketing materials or industry profiles that highlight success stories and current and emerging opportunities in the sector.<li data-bbox="370 432 1419 539">▪ Seek out local champions that can promote the City's ICT & Digital Media sector. An industry-led initiative will better enable the municipality to attract investment, post-secondary support while strengthening the capabilities of local businesses.
--	--

Appendices

Appendix I – Background Review

Appendix II - Industry Subsectors and Value Chain

Appendix III – metroeconomics' Community-Based Projection System

Appendix IV – Description of Location Quotient (LQ)

Appendix V – Results of the ICT and Digital Media Business Survey

Appendix I – Background Review

The City of Hamilton in recognising the importance of a diversified economy identified key industry sectors as part of the *2016-2020 Economic Development Action Plan*. The ICT and Digital Media Sector was identified as one of the 8 key industry sectors, enabling the City to leverage finite resources to engage in sector-specific business development and attraction initiatives. Initiatives included the assignment of a staff lead for the sector, enabling targeted business attraction and retention and building knowledge and expertise that can provide value to associated local businesses. Major actions identified in the Plan that relate to the sector are:

- Develop and implement an ICT & Digital Media Sector Strategy
- Create and implement a Digital Strategy for the City of Hamilton that identifies strategies to improve the ICT infrastructure (broadband/internet) in the city
- Complete a comprehensive asset mapping exercise of all ICT sector companies and infrastructure
- Establish a Sports Analytics Cluster to pursue a nationally recognized area of expertise

Key themes that emerged from the review are explored below:

Small Business Development and Entrepreneurship Support

A key focus area for Hamilton is to *provide assistance to new and growing businesses through programs and services to foster and grow Hamilton's entrepreneurial eco-system*. This is of critical importance to the ICT and Digital Media sector, given that the sector is largely comprised of start-ups, single operator firms and small businesses.

The Hamilton Business Centre, operating as an arm of the Economic Development Division of the City of Hamilton, is a major opportunity for small business growth. The Centre is a one-stop source for business information, providing core programming for mid and late-career entrepreneurs and sector-specific entrepreneurial programming.

Enabling Environment for Business Growth

Hamilton's strategic location as part of the Greater Toronto and Hamilton Area (GTHA) provides an enabling environment for new businesses investment and growth in the ICT and Digital Media sector. Hamilton's affordable office market when compared to surrounding regions, acts as another key growth enabler. As per the 2019 CBRE report²⁵, Hamilton's metro office gross rental space was only \$23.80 per square foot compared to over \$55 in downtown Toronto.

Business incubators, accelerators and innovation support including The Forge, McMaster Innovation Park, ideaWORKS, mHealth & eHealth Development and Innovation Centre (MEDIC), Surge, Hamilton Health Sciences (HHS) and the CREATE (CentRE for dAta science and digiTal hEalth) team act as important support systems for ICT & Digital Media Sector growth. Software Hamilton is a key newsletter, providing news coverage for the Hamilton, Ontario technology and start-up community.

The Hamilton Technology Centre previously operated by the City's Economic Development Department is a private innovation hub owned and operated by Clearcable Networks. The Centre is a modern 40,000 square foot, fibre optic equipped incubator providing investment and leadership for emerging

²⁵ 2019 Scoring Canadian Tech Talent CBRE

technology companies and connects with other community initiatives such as the McMaster Innovation Park, Innovation Factory and Hamilton Hive.

In addition to local support, the Innovation Factory (iF), a Regional Innovation Centre (RIC) based in Hamilton provides start-up resources, programming, and mentorship to early-stage companies. Innovation Factory has strong expertise within the Information Technology sector.

Enabling Environment for Talent Growth

The City is home to key post-secondary institutions including McMaster University and Mohawk College, focused on developing and retaining quality tech talent. This is of particular relevance, given that workforce development is a key focus area of the *2016-2020 Economic Development Action Plan*. Specific actions identified include increased support for youth through mentorship, entrepreneurship, and peer programs, to allow for greater opportunities to identify career pathways.

Hamilton has become a key up-and-coming tech market due to significant growth across the tech talent pool. A report published by CBRE²⁶ which measured 20 Canadian cities by their competitive advantages and appeal for tech workers and employers, found that Hamilton experienced the fastest pace of growth amongst mid and small markets in terms of talent availability, growing by 52.9% to 18,200 over a five-year period (2013-2018). This has resulted in tech talent representing 5.1% of Hamilton's total labour force, only slightly below the Ontario average of 5.3%.

In addition to a large talent pool, the report found that Hamilton possesses an abundance of high-quality tech labour with an overall quality rating of A- (excellent). Quality labour is especially important in the tech sector due to the high cost involved in acquiring new talent and is a key consideration for firms when moving to a region. McMaster University and Mohawk College's continued focus on developing ICT centred degrees, such as their joint Bachelor of Technology program, which is the fastest-growing program at McMaster, has resulted in strong talent growth locally. Overall, the report ranked Hamilton 9th in Canada for tech degree completion (804), representing an 8.8% growth over a five-year period ending in 2012-17.

Investment Attraction

The City of Hamilton has developed key initiatives to ensure key investment and business growth in industry sectors. Programs include the Office Tenancy Assistance Program, which provides financial assistance (up to \$450,000) to either building owners or tenants for eligible leasehold improvements to office buildings located within Downtown Hamilton and surrounding areas. The aim of the program is to reduce office tenancy rates by attracting new businesses to the area.

The City has also implemented a data collection and analysis program that assess the needs, opportunities, and trends of the business community. The data helps identify gaps and opportunities for new investment and reveal possible international parent companies and business contacts.

A key theme identified within the *2016-2020 Economic Development Action Plan* was the need to continue diversifying Hamilton's economy through increasing investment attraction activities.

As per the *2015 City of Hamilton Foreign Direct Investment Economic Development Strategy*, Hamilton's location is advantageous as Canada has the G7's lowest costs in R&D-intensive sectors (up to 15.8% lower than the U.S. average). Specific opportunity sectors include ICT manufacturing, ICT wholesaling,

²⁶ 2019 Scoring Canadian Tech Talent CBRE

software and computer services, communications services along with Interactive Digital Media (IDM) subsectors (post-production, SFX and animation, internet-online commercial information providers) and other IDM-Related subsectors. The report identifies specific geographic targets for the City, such as the GTA, California and Brazil.

Recent research published by EY²⁷, which mapped Foreign Direct Investment Inflows across the Toronto-Waterloo Corridor, showed that average FDI inflows for Hamilton across all sectors increased dramatically, from US\$35.7M for the 2003 – 2010 period to US\$123.2M during 2011 – 2017. Hamilton's FDI share for 2011 – 2017 is 16% of total FDI inflows in the Corridor. This dramatic increase was caused by a surge in the overall number of FDI projects in the Hamilton region, increasing from 13 to 24 across the two periods, and affirms the region's attractiveness as a destination for FDI. However, FDI within the high-tech sector fell 35% across the same two time periods as large investments by firms in the mineral industry (energy and metallic minerals sector) distorted investments made by international firms within the high-tech sector.

It is important to note that these trends represent total FDI inflows across all sectors and therefore should be viewed as a general indicator on the overall health of Hamilton's economy and its competitiveness in attracting FDI.

Improving ICT Infrastructure

Another key theme that emerged from the *2016-2020 Economic Development Action Plan* was the need to develop and implement a Digital Strategy for the city that improves ICT infrastructure in both urban and rural areas. Specifically, the report detailed a 'stretch target' of improving internet speeds to 250 megabits/second to all rural areas, 1 gigabit/second to all urban Hamilton and 10 gigabit/second to all business parks and major commercial areas. Establishing a data centre within the city to support the ICT sector was also identified as a potential action.

²⁷ Toronto Global & Waterloo EDC – Technology & Innovation FDI Strategy Project – December 2019

Appendix II – Industry Subsectors and Value Chain

ICT & DM Industries Sub-sector Businesses with and without Employees, 2019

NAICS	ICT & DM Industries Sub-sectors	Total		Without employees		With employees	
		Count	% of total	Count	% of total	Count	% of total
ICT & DM		1,808	100.0%	1,221	68%	587	32%
ICT & DM - Manufacturing		24	1.3%	11	46%	13	54%
334512	Measuring, medical and controlling devices manufacturing	7	0.4%	0	0%	7	100%
334110	Computer and peripheral equipment manufacturing	5	0.3%	4	80%	1	20%
334310	Audio and video equipment manufacturing	4	0.2%	3	75%	1	25%
334290	Other communications equipment manufacturing	3	0.2%	1	33%	2	67%
334410	Semiconductor and another electronic component manufacturing	2	0.1%	1	50%	1	50%
334610	Manufacturing and reproducing magnetic and optical media	2	0.1%	1	50%	1	50%
334220	Radio television broadcasting and wireless communications equipment manufacturing	1	0.1%	1	100%	0	0%
334210	Telephone apparatus manufacturing	0	0%	0		0	
334511	Navigational and guidance instruments manufacturing	0	0%	0		0	
ICT & DM - Wholesale		25	1.4%	11	44%	14	56%
417310	Computer, computer peripheral and pre-packaged software merchant wholesalers	14	0.8%	5	36%	9	64%
417320	Electronic components, navigational & comm. equip. & supplies merchant wholesalers	11	0.6%	6	55%	5	45%
ICT & DM - Information and Cultural		547	30.3%	370	68%	177	32%
512110	Motion picture and video production	202	11.2%	167	83%	35	17%
517911	Telecommunications resellers	42	2.3%	0	0%	42	100%
519190	All other information services	41	2.3%	40	98%	1	2%
519130	Internet broadcasting and web search portals	38	2.1%	32	84%	6	16%
518210	Data processing, hosting, and related services	37	2.0%	28	76%	9	24%
511211	Software publishers (except video game publishers)	30	1.7%	16	53%	14	47%
517919	All other telecommunications	26	1.4%	19	73%	7	27%
517310	Wired and wireless telecommunications carriers (except satellite	22	1.2%	2	9%	20	91%
512190	Post-production and other motion picture and video industries	15	0.8%	11	73%	4	27%
515110	Radio broadcasting	13	0.7%	5	38%	8	62%
519121	Libraries	13	0.7%	0	0%	13	100%
512290	Other sound recording industries	11	0.6%	10	91%	1	9%

NAICS	ICT & DM Industries Sub-sectors	Total		Without employees		With employees	
		Count	% of total	Count	% of total	Count	% of total
512240	Sound recording studios	10	0.6%	8	80%	2	20%
512130	Motion picture and video exhibition	8	0.4%	3	38%	5	63%
515120	Television broadcasting	8	0.4%	5	63%	3	38%
512250	Record production and distribution	6	0.3%	4	67%	2	33%
511212	Video game publishers	5	0.3%	4	80%	1	20%
512230	Music publishers	5	0.3%	3	60%	2	40%
517410	Satellite telecommunications	5	0.3%	5	100%	0	0%
512120	Motion picture and video distribution	4	0.2%	4	100%	0	0%
519110	News syndicates	3	0.2%	2	67%	1	33%
515210	Pay and specialty television	2	0.1%	2	100%	0	0%
519122	Archives	1	0.1%	0	0%	1	100%
ICT & DM - Professional and Technical Services		1,083	59.9%	739	68%	344	32%
541514	Computer systems design & related services (except video game design & development	772	42.7%	491	64%	281	36%
541430	Graphic design services	134	7.4%	108	81%	26	19%
541410	Interior design services	113	6.3%	86	76%	27	24%
541490	Other specialized design services	30	1.7%	27	90%	3	10%
541420	Industrial design services	18	1.0%	13	72%	5	28%
541515	Video game design and development services	16	0.9%	14	88%	2	13%
ICT & DM - Educational Services		79	4.4%	60	76%	19	24%
611430	Professional and management development training	61	3.4%	47	77%	14	23%
611420	Computer training	15	0.8%	11	73%	4	27%
611410	Business and secretarial schools	3	0.2%	2	67%	1	33%
ICT & DM - Other Services		50	2.8%	30	60%	20	40%
811210	Electronic and precision equipment repair and maintenance	50	2.8%	30	60%	20	40%

Source: Canadian Business Counts, June 2019

ICT & DM Industries Sub-sector Businesses with Employees by Range, 2019

NAICS	ICT & DM Industries Sub-sectors	With employees								
		Count	% of total	1-4	5-9	10-19	20-49	50-99	100-199	200-499
ICT & DM		587	32%	415	93	46	21	9	1	2
ICT & DM - Manufacturing		13	54%	7	1	4	1	0	0	0
334110	Computer and peripheral equipment manufacturing	1	20%	1	0	0	0	0	0	0
334210	Telephone apparatus manufacturing	0		0	0	0	0	0	0	0
334220	Radio & television broadcasting & wireless communications equipment manufacturing	0	0%	0	0	0	0	0	0	0
334290	Other communications equipment manufacturing	2	67%	1	0	1	0	0	0	0
334310	Audio and video equipment manufacturing	1	25%	1	0	0	0	0	0	0
334410	Semiconductor and another electronic component manufacturing	1	50%	0	0	1	0	0	0	0
334511	Navigational and guidance instruments manufacturing	0		0	0	0	0	0	0	0
334512	Measuring, medical and controlling devices manufacturing	7	100%	3	1	2	1	0	0	0
334610	Manufacturing and reproducing magnetic and optical media	1	50%	1	0	0	0	0	0	0
ICT & DM - Wholesale		14	56%	7	6	0	1	0	0	0
417310	Computer, computer peripheral and pre-packaged software merchant wholesalers	9	64%	4	4	0	1	0	0	0
417320	Electronic components, navigational & comm. equip. & supplies merchant wholesalers	5	45%	3	2	0	0	0	0	0
ICT & DM - Information and Cultural		177	32%	87	45	23	13	6	1	2
511211	Software publishers (except video game publishers)	14	47%	6	2	5	1	0	0	0
511212	Video game publishers	1	20%	1	0	0	0	0	0	0
512110	Motion picture and video production	35	17%	31	2	0	1	1	0	0
512120	Motion picture and video distribution	0	0%	0	0	0	0	0	0	0
512130	Motion picture and video exhibition	5	63%	1	0	0	1	3	0	0
512190	Post-production and other motion picture and video industries	4	27%	3	0	0	1	0	0	0
512230	Music publishers	2	40%	2	0	0	0	0	0	0
512240	Sound recording studios	2	20%	1	1	0	0	0	0	0
512250	Record production and distribution	2	33%	1	1	0	0	0	0	0
512290	Other sound recording industries	1	9%	1	0	0	0	0	0	0
515110	Radio broadcasting	8	62%	0	3	4	1	0	0	0
515120	Television broadcasting	3	38%	2	0	0	0	1	0	0
515210	Pay and specialty television	0	0%	0	0	0	0	0	0	0
517310	Wired and wireless telecommunications carriers (except satellite)	20	91%	7	5	2	4	1	1	0
517410	Satellite telecommunications	0	0%	0	0	0	0	0	0	0
517911	Telecommunications resellers	42	100%	15	13	10	4	0	0	0

517919	All other telecommunications	7	27%	5	1	1	0	0	0	0
518210	Data processing, hosting, and related services	9	24%	5	3	1	0	0	0	0
519110	News syndicates	1	33%	0	1	0	0	0	0	0
519121	Libraries	13	100%	0	12	0	0	0	0	1
519122	Archives	1	100%	1	0	0	0	0	0	0
519130	Internet broadcasting and web search portals	6	16%	4	1	0	0	0	0	1
519190	All other information services	1	2%	1	0	0	0	0	0	0
ICT & DM - Professional and Technical Services		344	32%	283	36	18	5	2	0	0
541410	Interior design services	27	24%	21	6	0	0	0	0	0
541420	Industrial design services	5	28%	3	1	0	1	0	0	0
541430	Graphic design services	26	19%	23	2	1	0	0	0	0
541490	Other specialized design services	3	10%	3	0	0	0	0	0	0
541514	Computer systems design & related services (except video game design & development)	281	36%	231	27	17	4	2	0	0
541515	Video game design and development services	2	13%	2	0	0	0	0	0	0
ICT & DM - Educational Services		19	24%	13	3	1	1	1	0	0
611410	Business and secretarial schools	1	33%	0	1	0	0	0	0	0
611420	Computer training	4	27%	4	0	0	0	0	0	0
611430	Professional and management development training	14	23%	9	2	1	1	1	0	0
ICT & DM - Other Services		20	40%	18	2	0	0	0	0	0
811210	Electronic and precision equipment repair and maintenance	20	40%	18	2	0	0	0	0	0

Source: Canadian Business Counts, June 2019

Appendix III – metroeconomics' Community-Based Projection System

Employment by industry in any given area can be decomposed into economic base jobs (those that drive the overall economy) and community base jobs (those that serve the local population). The population growth of an area typically depends on its potential for growth in economic base employment while an area's growth in community base employment depends on its population growth. In recognition of this interdependence between population and employment growth *metroeconomics* has developed a community-based projection system that takes account of the economic and demographic factors influencing an area's growth potential. The system takes these factors into account as follows:

- the economic base of the community is identified through the de-composition of local jobs on a place of work basis by industry into those that are *economic base* jobs and those that are *community base* jobs; this is achieved using a location quotient process
- economic base industries produce goods and services consumed primarily by businesses or people outside of the local community; these industries – also called export based industries – produce agriculture, mining or manufactured products for consumption elsewhere or provide tourism or higher-order education/health care services to visitors/temporary residents
- the potential for growth of a local community's economic base jobs is identified through assessing how many such jobs exist today and how many might exist in the future drawing on *metroeconomics'* extensive forecasts of economic base industrial job trends nation-wide and province-wide
- an assessment is also made of the potential for local residents to commute to jobs in nearby employment locations drawing on existing patterns and on *metroeconomics'* base case forecasts of such jobs by sub-provincial area across the country
- the potential for job growth within the local area and for job growth in nearby locations determines the potential for job growth among local residents
- the *metroeconomics* system ties this resident job growth potential to the demographic side of the community; if potential job growth among residents exceeds the current supply of workers (based on an age and gender assessment of the current population, age specific rates of labour force participation, the level of unemployment, and the need to replace retiring workers), in-migration occurs; thus job growth potential determines population growth potential recognizing that each new job-holding resident typically brings along one or two dependents
- the system further takes into account the fact that each new resident job-holder increases the need for workers who service the local population – the community base jobs – and that these additional community base jobs, in turn, create the need for more workers, more residents, etc.
- employed resident's growth, in other words, drives the community's net in-migration requirements which, along with standard assumptions regarding fertility and mortality rates, provide the parameters needed to develop local area population projections by age and gender
- projected economic base jobs by industry are added to projected community base jobs by industry to determine the total number of jobs by place of work that will exist in the community in the decades ahead

The Location Quotient procedure is carried out as follows:

- All jobs in agriculture and forestry, in mining and oil and gas extraction, and in manufacturing are considered to be economic base jobs as most of their production is consumed by businesses and people outside of the area.
- For all other industries the number of jobs per 1,000 residents in the Calgary CMA is compared to that ratio across all 32 CMAs in Canada as a group. Where the ratio in an industry in the CMA exceeds that of all CMAs it is assumed the excess jobs in the Calgary CMA are providing services to people or businesses outside of the CMA. These excess jobs are defined as export based service jobs and their output as exportable services.

Appendix IV – Description of Location Quotient (LQ)

A Location Quotient (LQ) analysis provides information on the concentration of jobs or industries in a community of interest relative to an over-arching area, usually the province or nation. It can reveal what makes a particular region “unique”. LQ’s Classifications:

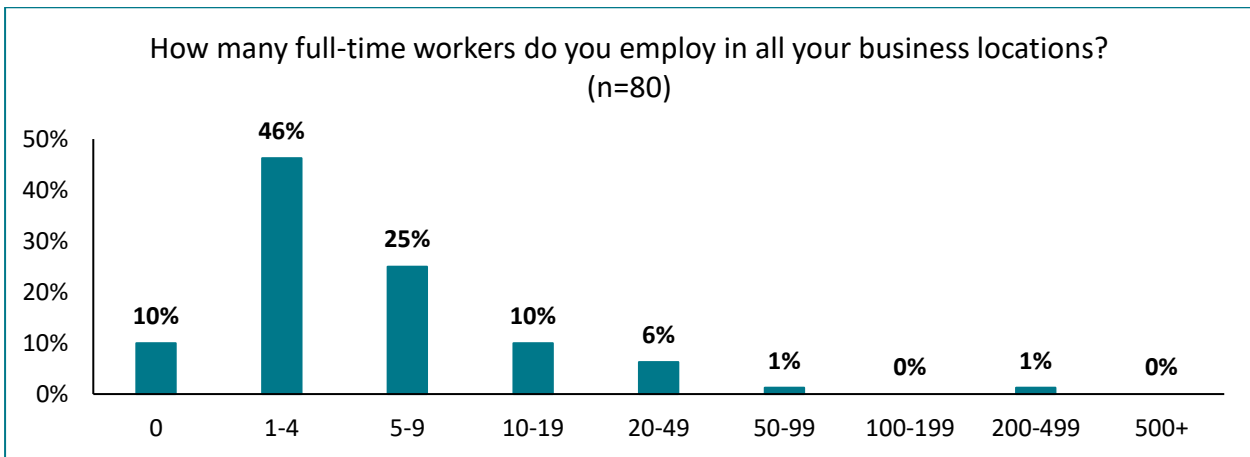
1. LQ greater than or equal to 1.25 – indicates that the community has a proportionately **‘high’** concentration of workers/industries than the larger comparison area employed in a specific industry.
2. LQ lower than 1.25 and higher than 1.0 – indicates that the community has an **‘above average’** concentration of workers/industries than the larger comparison area employed in a specific industry.
3. LQ 1.0 – indicates employment/industry concentration in the community is **‘on par’** with the larger comparison area employed in a specific industry.
4. LQ lower than 1.0 and higher than 0.75 – indicates that the community has a **‘moderate’** concentration of workers/industries than the larger comparison area employed in a specific industry.
5. LQ lower than 0.75 - indicates that the community has a **‘low’** concentration of workers/industries than the larger comparison area employed in a specific industry.

Appendix V – Results of the ICT and Digital Media Business Survey

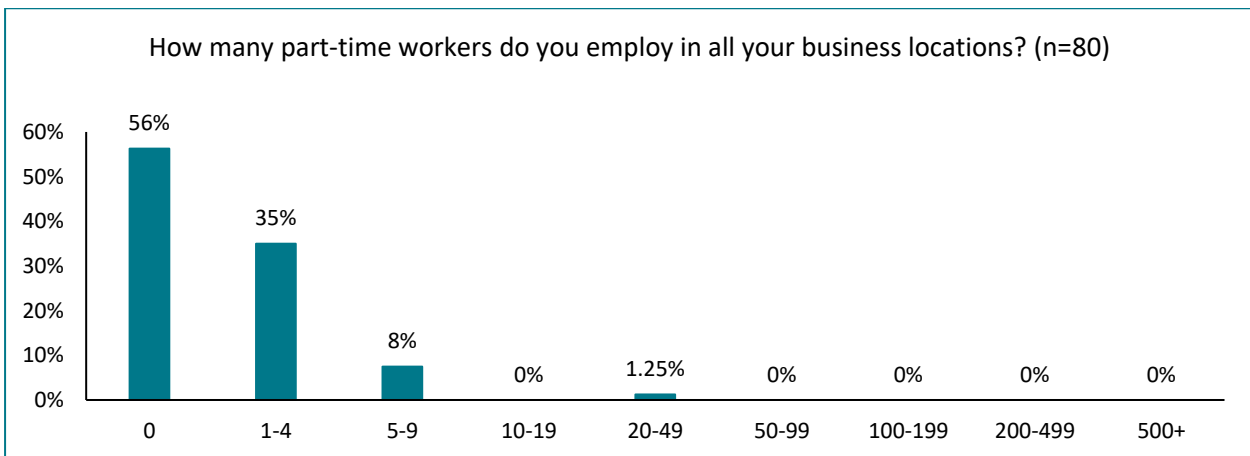
1. What type of business do you operate? *Read & Record one response*

What type of business do you operate?	n=56
Data Processing, Hosting, and Related Services	2
Software Publishers	2
Other Computer Related Services	3
All other	5
ICT	6
Telecommunications	8
Custom Computer Programming Services	15
Design & Digital Media	15

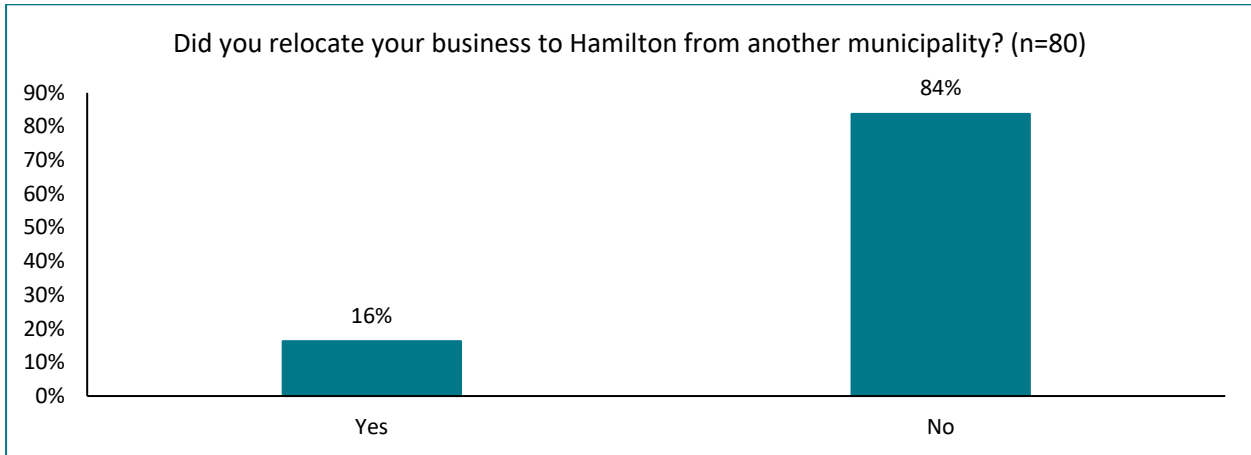
2. How many full-time workers do you employ in all your business locations?



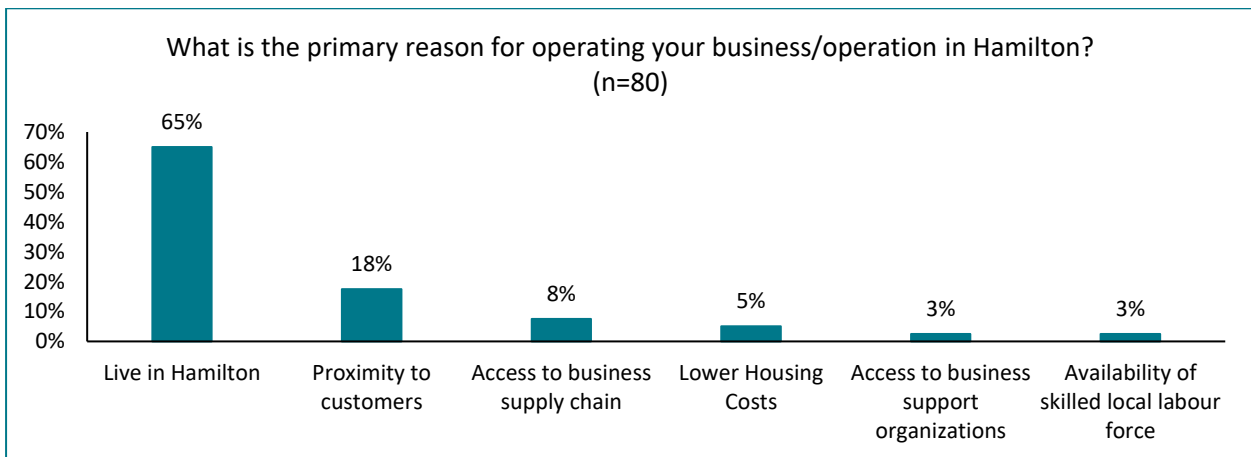
3. How many part-time workers do you employ in all your business locations?



4. Did you relocate your business to Hamilton from another municipality?

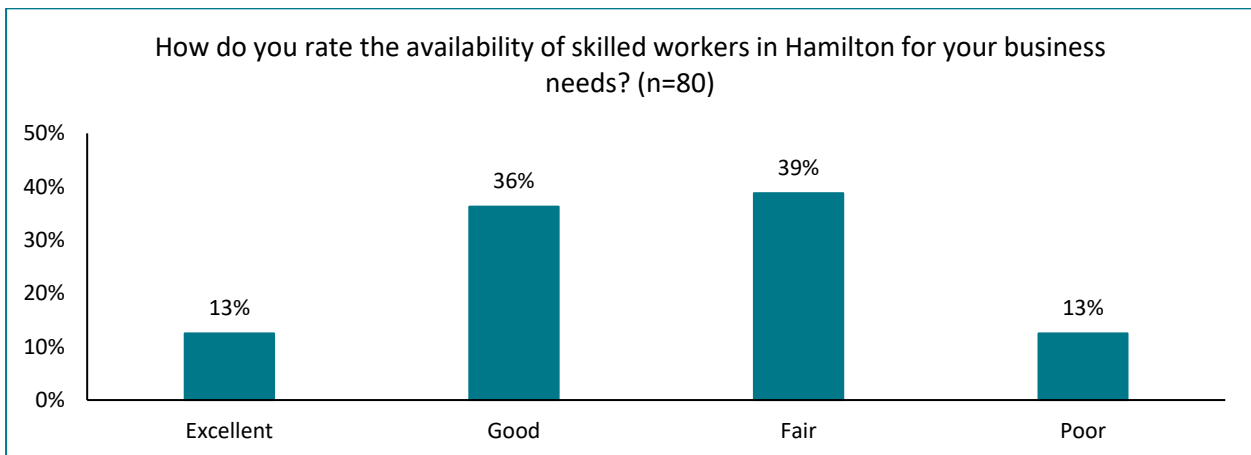


5. What is the primary reason for operating your business/operation in Hamilton?



Skill Requirements

6. How do you rate the availability of skilled workers in Hamilton for your business needs?

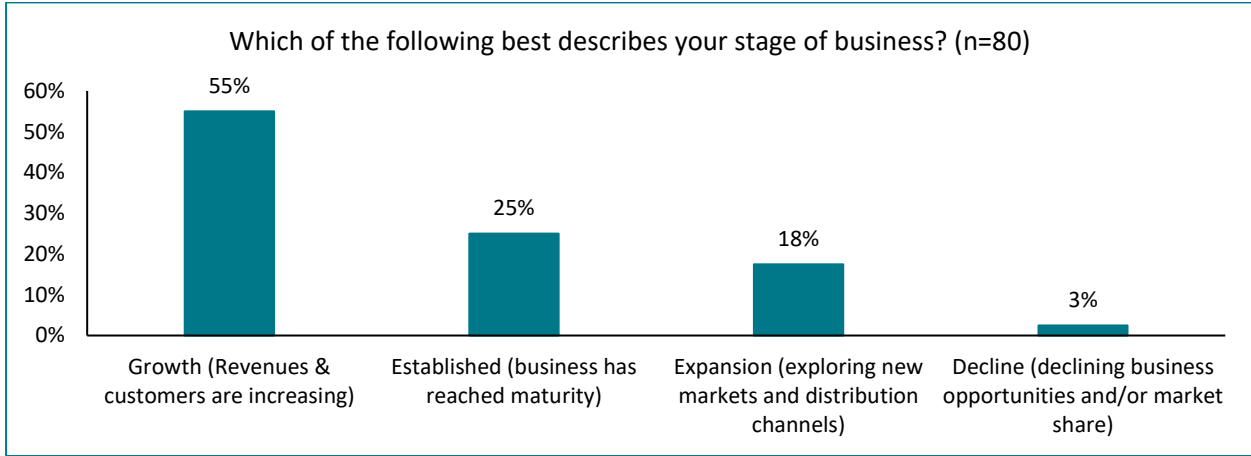


7. What skills are in highest demand for your business?

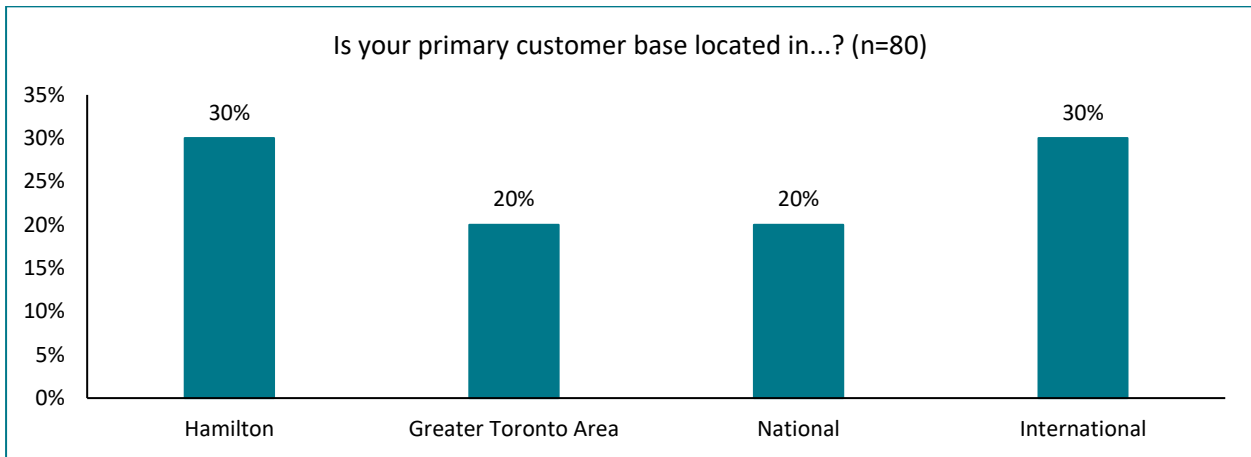
What skills are in highest demand for your business? (n=80)					
Skills	Knowledge Descriptors				
	Software engineers/developers	Computer and information sciences and support services	Graphic designers	Video game	IT support
Ability to communicate with customers.	Computer prog. & software prog.	Computer aided design and manufacturing	Graphic design	Game design	IT person
Communication skills	Computer software development	Computer programming	Graphic design		It support
Communication skills.	Experienced software developers	Computer science	Graphic design senior/intermediate		Information technology
Customer care	Software development	Computer skills.	Graphic design skills.		Tech. Skills
Customer service	Software development	C-sharp programming	Graphic designers.		Technical skills, it
Customer service	Software development	Data programming	Web design		Technology certification
Customer service	Software development skills	Coding.			Technology skills
Being conscientious and having good people skills	Software development.	Java programming.			Telecommunication networking
Bilingualism	Software knowledge	Good web development.			Voice and data tech
Flexibility	Programming				Knowing the different medias.
Good Handy Skills	Programming and development.				License To Fix Computers.
Intelligent	Programming web				Computer Repair
Interpersonal skills	Programming				
People skills	Programming.				
Sales skills.	Developers who are experienced				
Sales skills.	Development				
Salesmanship					
Marketing and sales skills.					
Outbound marketing					
Sales					

Business Environment

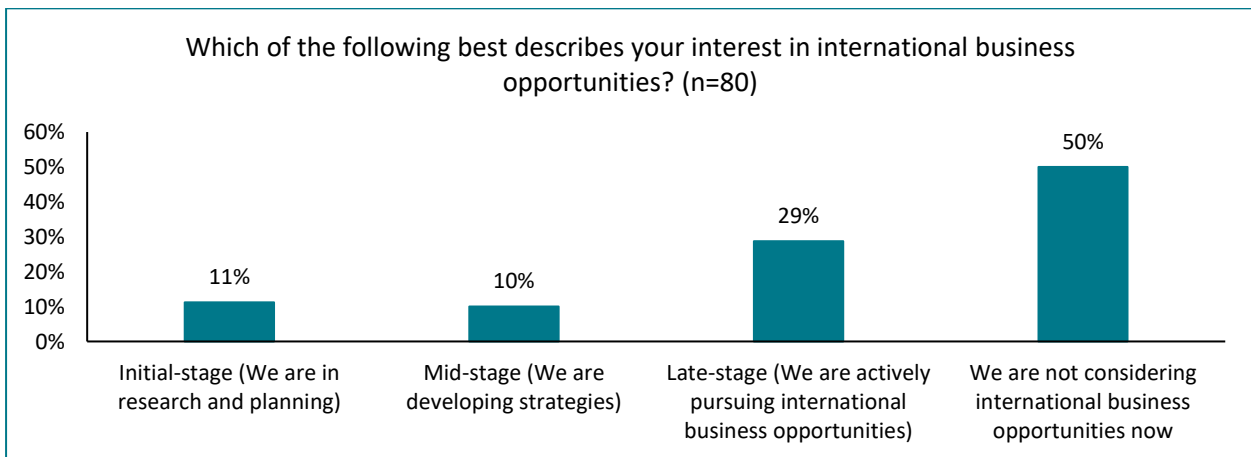
8. Which of the following best describes your stage of business?



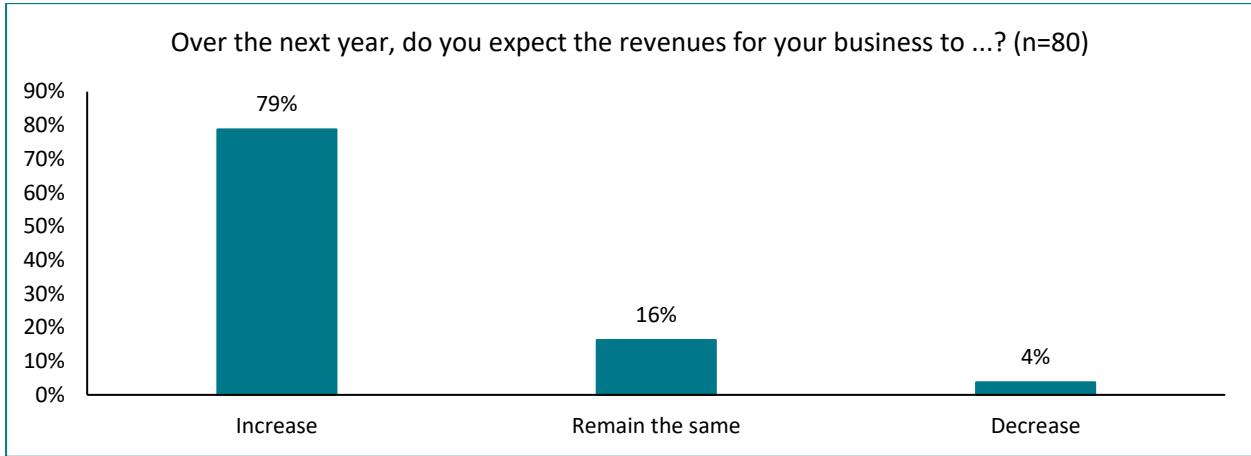
9. Is your primary customer base located in...?



10. Which of the following best describes your interest in international business opportunities?



11. Over the next year, do you expect the revenues for your business to ...?



Business Satisfaction

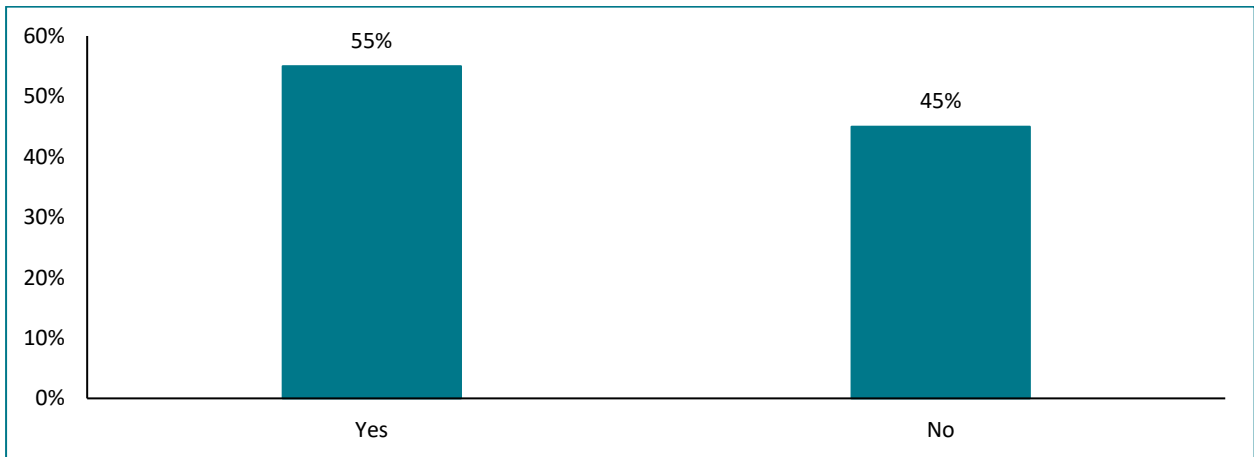
12. How satisfied are you with the following factors of owning and operating your ICT and Digital Media business in Hamilton? For each item, please tell me if you: Very Satisfied, Somewhat Satisfied, Somewhat Dissatisfied or Very Dissatisfied.

Factors	Very Satisfied		Somewhat Satisfied		Somewhat Dissatisfied		Very Dissatisfied		Don't know/Not applicable		Total
	Count	%	Count	%	Count	%	Count	%	Count	%	
Municipal property tax rates	2	3%	28	35%	8	10%	10	13%	32	40%	80
Availability of property for purchase or lease	9	11%	26	33%	13	16%	4	5%	28	35%	80
Quality of business support programming	1	23%	21	26%	7	9%	5	6%	29	36%	80
Attracting and retaining skilled talent	1	21%	35	44%	11	14%	7	9%	10	13%	80
Attracting new customers	1	19%	31	39%	13	16%	6	8%	15	19%	80
Quality of broadband/hi-speed Internet	3	38%	29	36%	10	13%	10	13%	1	1%	80
Access to capital/Availability of public funding and support programs	6	8%	20	25%	12	15%	10	13%	32	40%	80
Access to Light Rail Transit (LRT)	4	5%	11	14%	4	5%	13	16%	48	60%	80

13. Has your business accessed any of the following business support funds and/or programs? For each item, please tell me if you: have accessed, heard of it but not accessed, not familiar.

	Have accessed		Heard of it but not accessed		Not familiar		Total
Innovation Factory Programs & Services	18	23%	20	25%	42	53%	80
Hamilton's Soft-Landing Program	2	3%	6	8%	72	90%	80
Hamilton Business Centre (formerly Small Business Enterprise Centre)	8	10%	28	35%	44	55%	80
One-Stop for Business	1	1%	8	10%	71	89%	80
Business Improvement Area Commercial Property Improvement Grant Program	5	6%	17	21%	58	73%	80
Office Tenancy Assistance Program	0	0%	6	8%	74	93%	80
Provincial funding programs	11	14%	16	20%	53	66%	80
Federal funding programs	11	14%	19	24%	50	63%	80

14. Would you like to be notified of any future networking or tradeshow opportunities?





ICT and Digital Media Sector Strategy

City of Hamilton

Presented by: Lauren Millier, EVP

Date: February 17, 2021



Context

- ICT and Digital Media Sector FDI Strategy is a sector profile that describes the current state and value proposition for the city
- The Strategy development process started in October 2019 and included research and analysis, a comprehensive consultation process with businesses and industry partners
- The sector saw a higher rate of growth compared to all other industry sectors driven primarily by professional and technical services and the information and cultural services
- Digital media is an important aspect of these industries in the production and delivery of content including motion pictures, videos, television programs or commercials



Context

- Central to the growth of the sector are the Hamilton Business Centre and local incubators, accelerators and innovation support
 - The Forge, McMaster Innovation Park, ideaWORKS, mHealth & eHealth Development and Innovation Centre (MEDIC), Surge, Hamilton Health Sciences (HHS) and the CREATE (CentRE for dAta science and digiTal hEalth) along with major post-secondary institutions
- New investments by the City, including the creation of a “Technology and Medical Innovation Centre” and the McMaster Innovation Park’s (MIP) Master Plan, provide for continued growth of the sector



Strategy Development

- A review of existing strategies and initiatives of relevance to ICT and Digital Media sector development
- A statistical analysis of the performance of ICT and Digital Media sector – businesses and occupations
- An assessment of the economic impact associated with Hamilton's ICT and Digital Media sector
- A benchmark exercise comparing Hamilton's ICT and Digital Media sector against ten comparator communities
- A telephone survey of 80 local ICT and Digital Media businesses
- Targeted one – on – one interview with ICT & Digital Media businesses and economic development partners
- A stakeholder workshop with ICT & Digital Media businesses and economic development partners
- A Key Findings Report and FDI Sector Strategy



Key Indicators

- 4% of all industries in the city can be classified as ICT & Digital Media
- Sector experienced a 22% rate of growth between 2016-2019
- 60% of all industries are in professional, scientific and technical services
- 68% of all businesses are small businesses or entrepreneurs
- Top occupations
 - Information systems, computer programmers and interactive media developers, graphic designers and illustrators, software engineers and designers, and computer and information systems managers



Economic Impact

- The city's ICT & Digital Media sector makes a strong and growing contribution to the local economy
- Prior to the start of the pandemic, the sector's output (sales) was expected to reach \$1.623 billion in 2020
 - The sector will pay workers \$470 million in wages and salaries; and
 - The sector will employ just over 6,000 people
- The sector generates further economic impact through its purchases of goods and services from other industries



Framework for Recommendations

Recommendations	Foster an ICT & Digital Media Growth Environment	Support Skills Development, Talent Attraction and Retention	Targeted Investment Attraction in Niche Sectors	Showcase Hamilton's ICT & Digital Media Sector through Marketing and Branding
	A cohesive sector with the data, support services and networks to enable business growth, innovation, and investment.	A world-class quality talent pipeline committed to mutual success ensures local firm growth and serves as a global marketing tool for the city.	A growth sector with ongoing investment in niche industries, enhanced competitiveness, and job creation.	A global Hamilton brand with a unique value proposition that is effectively marketed to local, regional, and international markets.
Outcomes				



Key Opportunities

- Niche opportunities exist for the City, including Interactive Digital Media (IDM) and Health based Technologies:
 - Games developers and publishers, eLearning software developers, VR/AR/MR developers, VR arcades, mobile app developers, digital advertising firms, interactive site web developers and software developers
 - Digital health including system integration, interoperability to prototype novel technologies and educating the next generation of digital health entrepreneurs
- Potential FDI targets include a select number of Californian companies looking to expand across North America, Europe, and the Asia Pacific



Key Opportunities

- Potential FDI targets include ICT companies in California looking to expand across North America, Europe, and the Asia Pacific
 - Cloud solutions, gaming, autonomous vehicles, AI HQ, data science/analytics and video conferencing
 - EdTech is an important sector given the surge in remote learning in education.
 - Gaming is also a strong fit, especially leading Game developers with a growing global footprint
 - Sports analytics and motion capture (AR/VR and AI) represent longer term considerations
- Recommendations shift Hamilton from a traditional “planner-provider-deliverer” model to an increasingly collaborative “enabler-convener-catalyst-broker” model.
- The collaboration includes those between and within municipal departments, community partners, business organizations and industries.

Thank-you

Q+A



CITY OF HAMILTON
CORPORATE SERVICES DEPARTMENT
Financial Planning, Administration and Policy Division

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	February 17, 2021
SUBJECT/REPORT NO:	City of Hamilton / Ministry of Transportation 2020-2021 Dedicated Gas Tax Funding Agreement (FCS21011) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Craig Webb, CPA, CMA, (905) 546-2424, Ext. 1870
SUBMITTED BY:	Brian McMullen Director, Financial Planning, Administration and Policy Corporate Services Department
SIGNATURE:	

RECOMMENDATION(S)

- (a) That the Mayor and the General Manager, Finance and Corporate Services, be authorized and directed to enter into an Agreement between the City of Hamilton and the Province of Ontario related to the funding commitment made by the Province of Ontario to the municipality under the Dedicated Gas Tax Funds for Hamilton's Public Transportation Program;
- (b) That the Mayor and General Manager, Finance and Corporate Services, be authorized and directed to execute the Letter of Agreement attached as Appendix "A" to Report FCS21011;
- (c) That the By-law attached as Appendix "C" to Report FCS21011 authorizing and directing the Mayor and General Manager, Finance and Corporate Services, to sign a Letter of Agreement between the City of Hamilton and the Province of Ontario with respect to funding under the Dedicated Gas Tax Funds for Public Transportation Program, be passed;
- (d) That, upon being passed, a certified copy of the By-law, together with two copies of the signed Letter of Agreement, be forwarded to the Ministry of Transportation.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: City of Hamilton / Ministry of Transportation 2020-2021 Dedicated Gas Tax Funding Agreement (FCS21011) (City Wide) – Page 2 of 4

EXECUTIVE SUMMARY

The City of Hamilton is eligible to receive an estimated \$11,687,199 in provincial funding as part of the 2020-2021 Dedicated Gas Tax Funds for Public Transportation Program. This represents an increase of 2.26% over the previous 12-month total allocation of \$11,428,352.

The 2020 / 2021 Provincial Program year runs from April 1, 2020 to March 31, 2021. The new allocation of funding for the Program for 109 public transit systems providing service to 144 communities will amount to approximately \$378.63 M. Allocations are based on 2019 ridership and 2019 estimated population.

The By-law, accompanying Agreement, guidelines and requirements, attached to Report FCS21011, are provided as a condition of the transfer of funds, provided by the Province of Ontario to the City of Hamilton under this Program.

Under the terms and conditions of the attached Agreement, a by-law is required to authorize the Mayor and City Treasurer to sign the “Letter of Agreement between Her Majesty the Queen in Right of the Province of Ontario, Represented by the Minister of Transportation for the Province of Ontario and the City of Hamilton related to Funding Provided by the Province of Ontario to the Municipality under the Dedicated Gas Tax Funds for Public Transportation Program”.

Municipalities receiving dedicated gas tax funds must meet the requirements set out in the “2020 / 2021 Guidelines and Requirements”, attached as Appendix “B” to Report FCS21011.

Alternatives for Consideration – Not Applicable

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: Ratification of the Letter of Agreement is a condition of the City of Hamilton becoming eligible for an estimated \$11,687,199 in provincial funding relating to 2020-2021 as part of the 2020-2021 Dedicated Gas Tax Funding program. This represents an increase of 2.2% over the previous 12-month total allocation of \$11,428,352. The 2021 Provincial gas tax funding for eligible expenditures in the City’s operating budget is \$10,899,000 and in the capital budget is \$150,000.

Staffing: None.

Legal: The enacting of the supporting By-law per Appendix “C” to Report FCS21011 is a requirement to receive funding under the Dedicated Gas Tax Funds for Public Transportation Program.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: City of Hamilton / Ministry of Transportation 2020-2021 Dedicated Gas Tax Funding Agreement (FCS21011) (City Wide) – Page 3 of 4

HISTORICAL BACKGROUND

In 2013, the Province of Ontario moved forward with its commitment to make Gas Tax funding permanent.

Traditionally, the Province of Ontario under the above-noted program, has provided two cents of the existing provincial gas tax to municipalities to support public transportation. This year, due to the circumstances surrounding the COVID-19 emergency, no administrative changes were made from the 2019-20 program year. Further recognizing the impact that COVID-19 has had on municipal transit systems, there has not been an impact on allocations for the 2020-21 program year. In this, the seventeenth year of the program, \$378.63 M in funding to 109 public transit systems representing 144 communities has been made available.

As part of that commitment, the Province of Ontario, under the Dedicated Gas Tax Funds for the Public Transportation Program, is providing funding in the amount of \$11,687,199 to the City of Hamilton for 2020 / 21 as per the Letter of Agreement attached as Appendix “A” to Report FCS21011.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

None.

RELEVANT CONSULTATION

None.

ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

Under the Dedicated Gas Tax Funds for the Public Transportation Program, funding allocated is based on 70% transit ridership and 30% municipal population.

The funding received is deposited into a dedicated reserve that is used to fund the expansion of public transit in terms of capital infrastructure and operating budget funding related to levels of service.

Under the terms and conditions of the attached Agreement, a by-law is required to authorize the Mayor and City Treasurer to sign the “Letter of Agreement between Her Majesty the Queen in Right of the Province of Ontario, Represented by the Minister of Transportation for the Province of Ontario and the City of Hamilton related to Funding Provided by the Province of Ontario to the Municipality under the Dedicated Gas Tax Funds for Public Transportation Program”.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: City of Hamilton / Ministry of Transportation 2020-2021 Dedicated Gas Tax Funding Agreement (FCS21011) (City Wide) – Page 4 of 4

ALTERNATIVES FOR CONSIDERATION

None.

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN**Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

Healthy and Safe Communities

Hamilton is a safe and supportive city where people are active, healthy, and have a high quality of life.

Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

Built Environment and Infrastructure

Hamilton is supported by state-of-the-art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to Report FCS21011 – Letter of Agreement between the City of Hamilton and the Province of Ontario

Appendix “B” to Report FCS21011 – 2020/21 Guidelines and Requirements

Appendix “C” to Report FCS21011 – 2020 City of Hamilton / Ministry of Transportation Gas Tax Funding Agreement By-law

CW/dt

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

**Ministry of
Transportation**

Office of the Minister

777 Bay Street, 5th Floor
Toronto ON M7A 1Z8
416 327-9200
www.ontario.ca/transportation

**Ministère des
Transports**

Bureau de la ministre

777, rue Bay, 5^e étage
Toronto ON M7A 1Z8
416 327-9200
www.ontario.ca/transports



January 14, 2021

Mayor Fred Eisenberger
City of Hamilton
71 Main Street West
Hamilton ON L8P 4Y5

Dear Mayor Eisenberger:

RE: Dedicated Gas Tax Funds for Public Transportation Program

This Letter of Agreement between the **City of Hamilton** (the "Municipality") and Her Majesty the Queen in right of the Province of Ontario, as represented by the Minister of Transportation for the Province of Ontario (the "Ministry"), sets out the terms and conditions for the provision and use of dedicated gas tax funds under the Dedicated Gas Tax Funds for Public Transportation Program (the "Program"). Under the Program, the Province of Ontario provides two cents out of the provincial gas tax to municipalities to improve Ontario's transportation network and support economic development in communities for public transportation expenditures.

The Ministry intends to provide dedicated gas tax funds to the Municipality in accordance with the terms and conditions set out in this Letter of Agreement and the enclosed Dedicated Gas Tax Funds for Public Transportation Program 2020-21 Guidelines and Requirements (the "guidelines and requirements").

In consideration of the mutual covenants and agreements contained in this Letter of Agreement and the guidelines and requirements, which the Municipality has reviewed and understands and are hereby incorporated by reference, and other good and valuable consideration, the receipt and sufficiency of which are expressly acknowledged, the Ministry and the Municipality agree as follows:

1. To support local public transportation services in the Municipality, the Ministry agrees to provide funding to the Municipality under the Program to a maximum amount of up to **\$11,687,199** ("the "Maximum Funds") in accordance with, and subject to, the terms and conditions set out in this Letter of Agreement and, for greater clarity, the guidelines and requirements.
2. Subject to Section 1, the Ministry will, upon receipt of a fully signed copy of this Letter of Agreement and a copy of the authorizing municipal by-law(s) and, if applicable, resolution(s) for the Municipality to enter into this Letter of Agreement, provide the Municipality with **\$8,765,399**; and any remaining payment(s) will be provided thereafter.

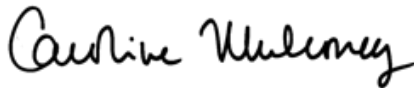
-2-

3. If another municipality authorizes the Municipality to provide local public transportation services on its behalf and authorizes the Municipality to request and receive dedicated gas tax funds for those services also on its behalf, the Municipality will in the by-law(s) and, if applicable, resolution(s) described in Section 2 confirm that the Municipality has the authority to provide those services and request and receive those funds.
4. The Municipality agrees that any amount payable under this Letter of Agreement may be subject, at the Ministry's sole discretion, to any other adjustments as set out in the guidelines and requirements.
5. The Municipality will deposit the funds received under this Letter of Agreement in a dedicated gas tax funds reserve account, and use such funds and any related interest only in accordance with the guidelines and requirements.
6. The Municipality will adhere to the reporting and accountability measures set out in the guidelines and requirements, and will provide all requested documents to the Ministry.
7. The Municipality agrees that the funding provided to the Municipality pursuant to this Letter of Agreement represents the full extent of the financial contribution from the Ministry and the Province of Ontario under the Program for the 2020-21 Program year.
8. The Ministry may terminate this Letter of Agreement at any time, without liability, penalty or costs upon giving at least thirty (30) days written notice to the Municipality. If the Ministry terminates this Letter of Agreement, the Ministry may take one or more of the following actions: (a) cancel all further payments of dedicated gas tax funds; (b) demand the payment of any dedicated gas tax funds remaining in the possession or under the control of the Municipality; and (c) determine the reasonable costs for the Municipality to terminate any binding agreement(s) for the acquisition of eligible public transportation services acquired, or to be acquired, with dedicated gas tax funds provided under this Letter of Agreement, and do either or both of the following: (i) permit the Municipality to offset such costs against the amount the Municipality owes pursuant to paragraph 8(b); and (ii) subject to Section 1, provide the Municipality with funding to cover, in whole or in part, such costs. The funding may be provided only if there is an appropriation for this purpose, and in no event will the funding result in the Maximum Funding exceeding the amount specified under Section 1.
9. Any provisions which by their nature are intended to survive the termination or expiration of this Letter of Agreement including, without limitation, those related to disposition, accountability, records, audit, inspection, reporting, communication, liability, indemnity, and rights and remedies will survive its termination or expiration.
10. This Letter of Agreement may only be amended by a written agreement duly executed by the Ministry and the Municipality.
11. The Municipality agrees that it will not assign any of its rights or obligations, or both, under this Letter of Agreement.

- 12. The invalidity or unenforceability of any provision of this Letter of Agreement will not affect the validity or enforceability of any other provision of this Letter of Agreement. Any invalid or unenforceable provision will be deemed to be severed.
- 13. The term of this Letter of Agreement will commence on the date of the last signature of this Letter of Agreement.
- 14. The Municipality hereby consents to the execution by the Ministry of this Letter of Agreement by means of an electronic signature.

If the Municipality is satisfied with and accepts the terms and conditions of this Letter of Agreement, please print and secure the required signatures, and then deliver a fully signed pdf copy to the Ministry at the email account below. Subject to the province's prior written consent, including any terms and conditions the Ministry may attach to the consent, the Municipality may execute and deliver the Letter of Agreement to the Ministry electronically. In addition, all program documents are also to be sent to the following email account:
MTO-PGT@ontario.ca

Sincerely,



Caroline Mulroney
 Minister of Transportation

I have read and understand the terms and conditions of this Letter of Agreement, as set out above, and, by signing below, I am signifying the Municipality's consent to be bound by these terms and conditions.

Municipality

 Date

 Name (print):
 Title (head of council or
 authorized delegate):

I have authority to bind the Municipality.

 Date:

 Name (print):
 Title (clerk or authorized delegate):

I have authority to bind the Municipality.



MINISTRY OF TRANSPORTATION

**Dedicated Gas Tax Funds For
Public Transportation Program**

2020-21 Guidelines and Requirements

TABLE OF CONTENTS

1. DEFINITIONS.....	3
2. INTRODUCTION	5
3. GENERAL ELIGIBILITY REQUIREMENTS AND CONDITIONS.....	5
4. GENERAL PROGRAM ALLOCATION METHODOLOGY AND PAYMENT PROCESS	7
o 4.1 General Program Allocation Methodologies	7
o 4.2 Payment Process	8
5. DEDICATED GAS TAX FUNDS RESERVE ACCOUNT AND INTEREST	9
o 5.1 Dedicated Gas Tax Funds Reserve Account	9
o 5.2 Interest	9
6. ACQUISITION OF GOODS OR SERVICES, AND DISPOSAL OF ASSETS	9
7. ADJUSTMENT, WITHHOLDING AND PAYMENT OF DEDICATED GAS TAX FUNDS AND OTHER REMEDIES	10
8. ACCOUNTABILITY, RECORDS, AUDIT AND REPORTING REQUIREMENTS	11
o 8.1 Accountability	11
o 8.2 Records	12
o 8.3 Audit	12
o 8.4 Reporting	12
9. COMMUNICATIONS	13
10. CONFLICT OF INTEREST	14
11. FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT	14
12. LIABILITIES AND INDEMNITIES	14
13. COMPLIANCE WITH THE LAW	15
14. WHERE TO APPLY AND REQUEST OR PROVIDE INFORMATION.....	15
APPENDIX A: REPORTING FORMS.....	16
APPENDIX B: CANADIAN CONTENT POLICY	17
APPENDIX C: VISUAL IDENTITY SIGNAGE REQUIREMENTS.....	18

DEDICATED GAS TAX FUNDS FOR PUBLIC TRANSPORTATION PROGRAM

2020-21 GUIDELINES & REQUIREMENTS

1. DEFINITIONS

When used in these guidelines and requirements, the words set out below that import the singular include the plural and vice versa:

“Canadian Content Policy” means the Canadian Content for Transit Vehicle Procurement Policy, attached to these guidelines and requirements as Appendix B: Canadian Content Policy, which the Ministry may amend from time to time.

“dedicated gas tax funds” means the money provided by the Ministry to a municipality to be used strictly towards eligible expenditures that are reasonable, in the opinion of the Ministry, and related directly to the provision of public transportation services, and “dedicated gas tax funding” has the same meaning.

“dedicated gas tax funds reserve account” means an interest bearing account set up by a municipality, under its name and in a Canadian financial institution, where dedicated gas tax funds are deposited and can be tracked separately from any other funds that may be in the account. This does not need to be a separate account, so long as the dedicated gas tax funds can be tracked separately.

“DFPTA” means the *Dedicated Funding for Public Transportation Act, 2013*, S.O. 2013, c. 2, Sched. 3.

“eligible expenditures” means expenditures made by a municipality in direct support of public transportation operating or capital, or both, costs in accordance with Article 3 of these guidelines and requirements.

“guidelines and requirements” means these guidelines and requirements entitled “Dedicated Gas Tax Funds for Public Transportation Program – 2020-21 Guidelines and Requirements”, including Appendices A, B and C to these guidelines and requirements, which the Ministry may amend from time to time.

“host municipality” means a host municipality as described in Section 4.2.

“indemnified parties” means Her Majesty the Queen in right of Ontario, Her ministers, agents, appointees, and employees.

“letter of agreement” means an agreement entered into between the Ministry and a municipality, including a host municipality, that sets out the terms and conditions under which the Ministry agrees to provide dedicated gas tax funds to the municipality, including those under these guidelines and requirements, and any amendments to the letter of agreement.

“losses” means any and all liability, loss, costs, damages or expenses (including legal, expert and consultant fees).

“major refurbishment” means: (a) for a subway car, light rail car, streetcar or trolley bus, the refurbishment where the life cycle is extended for a minimum of six years beyond the designed life cycle set out by the manufacturer; and (b) for a bus thirty feet in length or over, the refurbishment where, when the bus reaches a minimum age of nine years, the life cycle of the bus is extended for a minimum of six years.

“Ministry” and “Minister”, respectively, means the Ministry of Transportation, which is responsible for the administration of the Program and the Minister responsible for the Ministry.

“municipal own spending on public transportation” means the funds, including those received from total operating revenue and local public donations, that a municipality contributes towards public transportation expenditures, including funds it contributes for operating and capital expenditures.

“personnel” includes the advisors, appointees, directors, officers, employees, agents, partners, affiliates, volunteers or subcontractors of a municipality.

“proceeding” means any and all causes of action, actions, claims, demands, lawsuits or other proceedings.

“Program” means the Dedicated Gas Tax Funds for Public Transportation Program set up by the Ministry to provide municipalities with dedicated gas tax funds subject to and in accordance with a letter of agreement.

“PRESTO” means the fare payment system for which Metrolinx is responsible.

“public transportation” means any service for which a fare is charged for transporting the public by vehicles operated by or on behalf of a municipality or local board as defined in the *Municipal Affairs Act*, R.S.O. 1990, c. M. 46, as amended, or under an agreement between a municipality or local board, and a person, firm or corporation, and includes special transportation facilities for transporting persons with disabilities but does not include transportation by special purpose facilities, such as marine vessels, school buses or ambulances.

“public transportation vehicle” refers to a streetcar, bus, subway car, light rail car, specialized vehicles for transporting persons with disabilities or trolley bus used for public transportation.

“reporting forms” means the following forms attached as Appendix A (Reporting Forms) to these guidelines and requirements: 1) Dedicated Gas Tax Funds for Public Transportation 2020 Reporting Form (i.e. form MT-O-16); 2) Dedicated Gas Tax Program – Transit 2020 Conventional Transit Reporting Form (i.e. form MT-O-17); and 3) Dedicated Gas Tax Program – Transit 2020 Specialized Transit Reporting Form (i.e., form MT-O-18).

"subcontractor" means any contractor of a municipality or any of its subcontractors at any tier of subcontracting.

2. INTRODUCTION

The Program is an important element of the ongoing relationship between the province of Ontario and Ontario municipalities. Municipalities receiving dedicated gas tax funds must meet the requirements set out in these guidelines and requirements.

As of 2013 and pursuant to the *Dedicated Funding for Public Transportation Act, 2013*, S.O. 2013, c. 2, Sched. 3 ("DFPTA"), a portion, (2 cents per litre), of the provincial gasoline tax revenue is dedicated to the provision of grants to municipalities for public transportation, including those pursuant to the Program. The portion of the gas tax that is dedicated in each fiscal year is an amount determined using a formula set out in the DFPTA.

The 2020-21 Program year runs from April 1, 2020 to March 31, 2021. The new allocation of funding for the Program for 109 public transit systems representing 144 municipalities will amount to approximately \$378.6 million.

3. GENERAL ELIGIBILITY REQUIREMENTS AND CONDITIONS

The purpose of the Program is to provide dedicated gas tax funds to Ontario municipalities to support local public transportation services, and to increase overall ridership through the expansion of public transportation capital infrastructure and levels of service. To be eligible to receive dedicated gas tax funds, a municipality must contribute financially towards its public transportation services.

For 2020-21, and unless otherwise approved in writing by the Ministry, only municipalities that have submitted their 2019 annual data survey to the Canadian Urban Transit Association (CUTA), and their 2019 Gas Tax reporting forms to the Ministry, will be eligible to receive dedicated gas tax funds.

Subject to the provision of a municipal by-law indicating its intent to provide public transportation services, a municipality that is not currently providing public transportation services, but decides to begin providing such services, may be eligible for funding. Notification of the municipality's intent to provide public transportation services and specific commitment to annually fund such public transportation services is required. Municipalities are encouraged to contact ministry staff early in their decision making process for providing services. After the new public transportation services have been implemented, and at the Ministry's sole discretion, dedicated gas tax funding may then be available.

A municipality receiving dedicated gas tax funds must ensure that all funds received and any related interest are used exclusively towards eligible expenditures and, unless otherwise approved in writing by the Ministry, disbursement of dedicated gas tax funds and any related

interest must be net of any rebate, credit or refund, for which the municipality has received, will receive, or is eligible to receive.

All public transportation services and public transportation vehicles must be fully accessible in accordance with the requirements set out under the following statutes and regulations, as may be amended from time to time: the *Accessibility for Ontarians with Disabilities Act, 2005*, S.O. 2005, c. 11 and the *Integrated Accessibility Standards*, O. Reg. 191/11 made under that Act; the *Highway Traffic Act*, R.S.O. 1990, c. H.8 and the *Accessible Vehicles*, R.R.O. 1990, Reg. 629 made under that Act; and the *Public Vehicles Act*, R.S.O. 1990, c. P. 54. In addition to the above, the acquisition of public transportation vehicles must comply with the Canadian Content Policy requirements.

Unless the Ministry otherwise approves in writing, in 2020-21, gas tax revenues and any related interest can only be used to support municipal public transportation expenditures and not to reduce or replace current levels of municipal public transportation funding. External audit and financial reporting costs are not eligible expenditures which the Ministry may reimburse or to which dedicated gas tax funding can be applied.

(a) Requirements for All Dedicated Gas Tax Funds Received in 2020-21 and Beyond

- Dedicated gas tax funds and any related interest must be spent on one or more of the following:
 - Public transportation capital expenditures that promote increased transit ridership;
 - Public transportation operating expenditures;
 - Capital expenditures for the replacement of any public transportation vehicles;
 - Capital expenditures that provide improvements to public transportation security and passenger safety; or
 - Expenditures for major refurbishment on any fully accessible, or to be made fully accessible, public transportation vehicle, with the exception of specialized vehicles used for the transportation of persons with disabilities.
- For municipalities that provide only specialized transit for persons with disabilities, dedicated gas tax funds can be spent on public transit initiatives that may not initially result in ridership growth but will provide increased accessibility.

(b) Additional Requirements for the following Municipalities: Regions of Durham and York, the Cities of Brampton, Burlington, Hamilton, Mississauga, Ottawa and Toronto, and the Town of Oakville.

Prior to the release of any dedicated gas tax funds, the municipalities listed under (b) above will, in addition to any other requirements in this Article 3, be required to:

- Participate in PRESTO and, as participants, will be required to meet their financial obligations for that system.

(c) Additional Requirements for GTA Municipalities: Regions of Durham, Halton, Peel and York, and Cities of Hamilton and Toronto.

Prior to the release of any dedicated gas tax funds, the municipalities listed under (c) above will, in addition to any other requirements in this Article 3, be required to:

- Demonstrate that they have met their responsibility for the payment of the growth and expansion capital costs of Metrolinx pursuant to the *Amendment to Greater Toronto Services Board By-law No. 40*, O. Reg. 446/04, made under the *Metrolinx Act, 2006*, S.O. 2006, c. 16, as amended.

The eligibility requirements for dedicated gas tax funds will be determined in accordance with these guidelines and requirements. The eligibility for any dedicated gas tax funds is at the sole discretion of the Ministry. Municipalities should consider consulting with Ministry staff to determine whether a proposed expenditure is an eligible expenditure for the purpose of dedicated gas tax funds.

4. GENERAL PROGRAM ALLOCATION METHODOLOGY AND PAYMENT PROCESS

4.1 General Program Allocation Methodologies

Based on consultation with municipalities, public transportation operators and stakeholders, the Province recognizes the varying needs of public transportation in Ontario municipalities, including those related to large established public transportation systems and communities with different growth rates and levels of public transportation service. Consistent with the above, the Province has established an allocation formula based on a combination of ridership and population. This formula balances the needs of large established public transportation systems, the growth needs of rapidly growing municipalities, and the needs of smaller municipalities that provide public transportation services.

The Province is implementing an allocation based on 70% transit ridership and 30% municipal population. Fully implemented, 70% of \$378.63 million (up to \$265.04 million) may be distributed to municipalities on the basis of their public transportation ridership levels. Thirty percent (30%) of \$378.63 million (up to \$113.59 million) may be distributed on the basis of population levels. Public transportation ridership will include the totals of both conventional and specialized public transportation services.

Both ridership and population figures are updated and revised annually for use in the calculation of dedicated gas tax funds.

CUTA annually collects and reproduces, on behalf of the Ministry, transit ridership data in its Ontario Urban Transit Fact Book and its Ontario Specialized Transit Services Fact Book (the "CUTA Fact Books"). The Ministry used the 2019 ridership data from the 2019 CUTA Fact Books for the above calculation. Where a municipality's ridership data have not been collected nor reproduced in the 2019 CUTA Fact Books, the Ministry used the 2019 transit ridership data received from the municipality.

The 2020-21 gas tax allocations were calculated using 2019 population estimates derived from the 2016 census data.

Dedicated gas tax funds provided to each municipality in 2020-21 are not to exceed, based on the 2019 municipal public transportation spending data set out in the CUTA Fact Books, 75% of municipal own spending on public transportation. The Ministry may re-allocate, in support of increasing public transportation ridership, any amounts of moneys dedicated for but that remains undistributed through the Program.

The Ministry may undertake an annual review of the dedicated gas tax allocation methodology and eligibility requirements to ensure these funds support the desired outcome of increased public transportation ridership. Municipal public transportation spending will be reviewed on an annual basis to determine if the limits of the dedicated gas tax funds need to be applied where the gas tax allocation may exceed 75% of municipal own spending on public transportation.

4.2 Payment Process

The Minister will advise each municipality that provides public transportation services of the amount of dedicated gas tax funds it is eligible to receive. The Minister will send a letter of agreement to each of these municipalities. The letter of agreement will set out the terms and conditions upon which the dedicated gas tax funds will be released to the municipality, and by which the municipality will have to agree to be bound.

The Ministry may, on a quarterly basis (or other basis, as the Ministry may decide from time to time), make payments of dedicated gas tax funds only after receipt of the following documents: i) the letter of agreement, provided by the Ministry to the municipality, signed in accordance with the by-law(s) and, if applicable, the resolution(s) described below; and ii) a scanned copy of the by-law(s) and, if applicable, any resolution(s) authorizing the letter of agreement and naming municipal signing officers for the letter of agreement.

In addition, the Ministry may withhold payment of dedicated gas tax funds until the reporting requirements under Section 8.4 are met.

Any amount of dedicated gas tax funds provided to the municipality under the Program will be subject to the remedies set out under Article 7.

Any dedicated gas tax funds the Ministry provides to a municipality and any related interest, including those kept by the municipality in a dedicated gas tax funds reserve account, will have to be used by the municipality exclusively towards public transportation services and in accordance with the requirements set out in these guidelines and requirements including, without limitation, those related to eligibility and related conditions, acquisition, disposition, accountability, records, audit, reporting, liability, and indemnity requirements.

If a municipality agrees to provide public transportation services (a "host municipality") for another municipality, the Ministry, at its sole discretion, may only provide the host municipality with dedicated gas tax funds. Prior to the Ministry making any payment of dedicated gas tax funds to the host municipality, the host municipality and the municipality on whose behalf the

host municipality is providing transportation services will be required to provide the Ministry with copies of their respective by-law(s) and, if applicable, resolution(s), designating the host municipality as a public transportation service provider for the municipality or authorizing the host municipality to provide public transportation services to the municipality, as applicable. The contributing municipality, on whose behalf the host municipality is providing transportation services, will be required to provide the Ministry with a copy of their by-law(s) and, if applicable, resolution(s), in the year that this arrangement is initiated, and will be required annually to confirm with the Ministry in writing that the arrangement is still in effect. The host municipality will be required to enter into a dedicated gas tax funds letter of agreement with the Ministry and be in compliance with the terms and conditions set out in these guidelines and requirements.

In addition, the host municipality must promptly advise the Ministry of any change in arrangements between the host and contributing municipalities, such as decisions to cease contributions. The Ministry may then, at its sole discretion, make any necessary adjustment to its contribution of dedicated gas tax funds to the host municipality.

5. DEDICATED GAS TAX FUNDS RESERVE ACCOUNT AND INTEREST

5.1 Dedicated Gas Tax Funds Reserve Account

Dedicated gas tax funds must be used only towards the eligible expenditures for public transportation listed under Article 3(a). If the Ministry provides dedicated gas tax funds to a municipality before the municipality's immediate need for the funds, the municipality will be required to keep the funds, and all interest earned on such funds, in a dedicated gas tax funds reserve account. Dedicated gas tax funds received, and any related interest earned on such funds, must be reported annually, using the reporting forms, on a cash basis. At no time should a municipality report a negative reserve account balance.

5.2 Interest

Interest must accrue on funds carried over the course of the Program reporting period in a dedicated gas tax funds reserve account. A municipality must calculate interest on its average annual balance of funds. The interest must also be reported annually, using the reporting forms, and can only be applied towards eligible expenditures.

6. ACQUISITION OF GOODS OR SERVICES, AND DISPOSAL OF ASSETS

If a municipality acquires goods, including supplies, materials, vehicles, equipment or services, or both, with dedicated gas tax funds, it must do so through a process that promotes the best value (with due regard for economy, efficiency and effectiveness) for the dedicated gas tax funds it spends.

The municipality must report, in writing, to the Ministry any funds accrued from the sale, lease or disposal of assets purchased with dedicated gas tax funds, and return such funds to a

dedicated gas tax funds reserve account (see Article 5), with the exception that funds accrued from the sale, lease or disposal of transit buses beyond their useful economic life (12 years for conventional and 5 years for specialized), will not be required to be returned to a dedicated reserve account.

7. ADJUSTMENT, WITHHOLDING AND PAYMENT OF DEDICATED GAS TAX FUNDS AND OTHER REMEDIES

If, in the opinion of the Ministry, a municipality: i) fails to comply with any term, condition or obligation set out in a letter of agreement, including these guidelines and requirements; ii) uses any of the dedicated gas tax funds or any related interest for a purpose not authorized without the prior written consent of the Ministry; iii) provides erroneous or misleading information; iv) fails to provide information, including requested audit information and required reports, to the Ministry for any reason whatsoever; or v) is unable to provide or acquire or has discontinued the provision or acquisition of any service or asset for which dedicated gas tax funds have been provided, or it is not reasonable for the municipality to continue to provide or acquire any service or asset for which such funds have been provided ("event of default"), the Ministry may, unless the Ministry provides the municipality with written notice of an opportunity to remedy the event of default, take one or more of the following actions: i) initiate any action the Ministry considers necessary in order to facilitate the successful provision or acquisition of any service or asset provided or acquired with dedicated gas tax funds; ii) suspend the payment of dedicated gas tax funds for such period as the Ministry determines appropriate; iii) reduce the amount of the dedicated gas tax funds; (iv) cancel further payments of dedicated gas tax funds; (v) demand from the municipality the payment of any dedicated gas tax funds remaining in the possession or under the control of the municipality; (vi) demand from the municipality the payment of an amount equal to any dedicated gas tax funds the municipality used, but did not use in accordance with the letter of agreement; (vii) demand from the municipality the payment of an amount equal to any dedicated gas tax funds the Ministry provided to the municipality; and viii) terminate the letter of agreement at any time, including immediately, without liability, penalty or costs to the Ministry upon giving notice to the municipality.

Where the Ministry gives the municipality an opportunity to remedy an event of default by giving the municipality notice of the particulars of the event of default and the date by which the municipality is required to remedy it, and: i) the municipality does not remedy the event of default by the date specified in the notice; ii) it becomes apparent to the Ministry that the municipality cannot completely remedy the event of default by the date specified in the notice; or iii) the municipality is not proceeding to remedy the event of default in a way that is satisfactory to the Ministry, the Ministry may extend the date by which the municipality is required to remedy the event of default, or initiate any of the remedies for event of default available to it under this Article 7.

Upon termination of the letter of agreement pursuant to this Article 7, the Ministry may take one or more of the actions listed for in the first paragraph to this Article 7. In regards to any demand for payment, the Minister may not demand payment of an aggregate amount greater than the dedicated gas tax funds that were received by the municipality.

Upon the Minister providing a municipality a written demand for payment of dedicated gas tax funds, any related interest, or both, the amount of the demand will be deemed to be a debt due and owing to the Crown of the Province of Ontario and may be recovered as such under applicable law, including, without limitation, the *Financial Administration Act*, R.S.O. 1990, c. F.12, as amended, ("FAA"). In addition to any remedy the Crown may have under the FAA, the Ministry may decide to withhold or adjust the amount of any current or future dedicated gas tax funding, or any other funding program, that may be provided to the municipality in an amount equal to such debt or have the amount of such debt deducted from financial assistance payable on any other project(s) of the municipality under any other initiative in which the Ministry is involved (either current or future). The Ministry may charge the municipality interest on any money owing by the municipality at the then current rate charged by the Province of Ontario on accounts receivable. The municipality will pay any money owing to the Ministry by cheque payable to the "Ontario Minister of Finance" and delivered to the Ministry as the Ministry may require.

If a municipality: i) has failed to comply with any term, condition or obligation under any other agreement with Her Majesty the Queen in right of Ontario or one of Her agencies (a "failure"); ii) has been provided with notice of such failure in accordance with the requirements of such other agreement; iii) has, if applicable, failed to rectify such failure in accordance with the requirements of such other agreement; and iv) such failure is continuing, the Ministry may suspend the payment of dedicated gas tax funds for such period as the Ministry determines appropriate.

When the Ministry provides its consent pursuant to a letter of agreement, including these guidelines and requirements, it may impose any terms and conditions on such consent and the municipality will comply with such terms and conditions.

If a municipality fails to comply with any term of a letter of agreement, including these guidelines and requirements, the municipality could only rely on a waiver of the Ministry if the waiver was in writing and refers to the specific failure to comply. A waiver will not have the effect of waiving any subsequent failures to comply.

Any decision made by the Minister regarding funding under the Program is final.

8. ACCOUNTABILITY, RECORDS, AUDIT AND REPORTING REQUIREMENTS

8.1 Accountability

A municipality receiving dedicated gas tax funds must use such funds, and any interest earned on such funds, exclusively towards public transportation service eligible expenditures and in accordance with these guidelines and requirements. The municipality will not be allowed to use dedicated gas tax funds and related interest to offset other municipal expenditures.

The municipality will also be required to provide such further assurances as the Ministry may request from time to time with respect to any matter to which a letter of agreement, including these guidelines and requirements, pertains, and will otherwise do or cause to be done all acts

or things necessary to implement and carry into effect the terms and conditions of these documents to their full extent.

Furthermore, the municipality must ensure any information the municipality provides to the Ministry under the Program is true and complete at the time provided and will continue to be true and complete.

8.2 Records

A municipality receiving dedicated gas tax funds must keep and maintain separate records and documentation related to any dedicated gas tax funds and any related interest, including invoices and any other financially-related documents relating to the provision or acquisition of public transportation services for which dedicated gas tax funds and any related interest have been used. The records and documentation must be kept and maintained in accordance with generally accepted accounting principles. Records containing confidential information must be kept in accordance with all applicable legislation. No provision of these guidelines and requirements shall be construed so as to give the Ministry any control whatsoever over the municipality's records.

8.3 Audit

A municipality receiving dedicated gas tax funds may be subject to audit. The Ministry may, at its sole discretion, audit or have audited by any third party, any records and documentation of the municipality related to any public transportation services provided or acquired with dedicated gas tax funds or any related interest, and such funds. Such audit may require the Ministry, at the municipality's expense (except as provided in the Canadian Content Policy), to retain external auditors. In addition, the Auditor General may, pursuant to the *Auditor General Act*, R.S.O. 1990, c. A. 35, as amended, audit the accounts and records of the municipality relating to any expenditure of dedicated gas tax funds.

To assist in respect of the rights set out above, a municipality will be required to disclose any information requested by the Ministry, its authorized representatives or an independent auditor identified by the Ministry, and will do so in the form requested by the Ministry, its authorized representatives or an independent auditor.

In addition to any adjustments the Ministry may make to dedicated gas tax funding under these guidelines and requirements, the Ministry may, upon recommendation in an audit report, adjust future dedicated gas tax fund payments or other payments the Province may make to the municipality under any other program.

8.4 Reporting

Accuracy in the calculation and reporting of municipal transit ridership and dedicated gas tax funds and any related interest is paramount. When calculating ridership, municipalities must use one of the acceptable best practices identified in the 2008 Ontario Ridership Data Collection Review Report, published jointly by CUTA and iTrans Consultants (retained by CUTA).

A municipality will be accountable to use dedicated gas tax funds and any related interest towards public transportation expenditures that meet the Program eligibility requirements. Each municipality will be required to report on how dedicated gas tax funds and any related interest are spent on an annual basis, including the provision of its Canadian Content Policy declaration form(s), in accordance with the Canadian Content Policy, for any public transportation vehicle funded with dedicated gas tax funds. The Canadian Content Policy has been amended effective September 21, 2017 to be aligned with government procurement commitments under the Comprehensive Economic Trade Agreement (CETA) between Canada and the European Union (EU). As of September 21, 2017, municipalities are to comply with the amended policy for all transit procurements.

For the purpose of the above reporting, municipalities will be required to use the reporting forms that have been developed in consultation with municipal public transportation stakeholders, and submit these reporting forms to the Ministry prior to February 26, 2021.

Municipalities are strongly advised to carefully verify all data before submitting their reporting forms, to ensure that all information provided is accurate. Municipalities are also encouraged to contact the Ministry if they require any guidance or assistance in completing these reports.

9. COMMUNICATIONS

Unless the Ministry otherwise approves in writing, a municipality receiving dedicated gas tax funds will be required to acknowledge the support of the Ministry in a form and manner as directed by the Ministry.

A municipality will be required to give a minimum of thirty (30) days written notice to the Ministry regarding any planned local dedicated gas tax funding communication or recognition event, or both. The municipality will also be required to provide the Ministry with detailed information regarding such communication or event, or both.

The Ministry and a municipality receiving dedicated gas tax funds will, at all times, remain independent of each other and will not represent themselves to be the agent, joint venturer, partner or employee of the other. Neither the municipality nor the Ministry will be allowed to make representations or take actions that could establish or imply any apparent relationship of agency, joint venture, partnership or employment. In addition, neither the municipality nor the Ministry will be bound in any manner whatsoever by any agreements, warranties or representations made by any of them to any other person or entity, with respect to any other action of the other.

If the municipality publishes any material of any kind, written or oral, relating to public transportation services provided or acquired with dedicated gas tax funds, the municipality will indicate in the material that the views expressed in the material are the views of the municipality and do not necessarily reflect those of the Ministry.

A municipality receiving gas tax funding must comply with the requirements for the installation

and maintenance of visual identity signage set out in Appendix C.

10. CONFLICT OF INTEREST

A municipality and its subcontractors and any of their respective personnel must use dedicated gas tax funds and provide and acquire services and assets with such funds without an actual, potential, or perceived conflict of interest.

A conflict of interest includes any circumstances where a municipality or any person who has the capacity to influence the municipality's decisions has outside commitments, relationships or financial interests that could, or could be seen to, interfere with the municipality's objective, unbiased, and impartial judgment relating to the provision or acquisition of services or assets provided or acquired with dedicated gas tax funds, the use of such funds, or both.

A municipality will disclose to the Ministry, without delay, any situation that a reasonable person would interpret as an actual, potential, or perceived conflict of interest, and comply with any terms and conditions that the Ministry may prescribe as a result of the disclosure.

11. FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

All applications submitted to the Ministry are subject to the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. F. 31, as amended ("FIPPA"). The FIPPA provides every person with a right of access to information in the custody or under the control of the Ministry, subject to a limited set of exemptions.

Municipalities are advised that the names of municipalities receiving dedicated gas tax funds, the amount of funds provided, and the purpose for which dedicated gas tax funds are provided, is information the Ministry makes available to the public.

12. LIABILITIES AND INDEMNITIES

A municipality receiving dedicated gas tax funds must agree that it is responsible for anything that may arise, directly or indirectly, in connection with the Program, including, without limitation, any activity under it such as the provision and acquisition of services and assets with dedicated gas tax funds. The Ministry's involvement under the Program is for the sole purpose of, and is limited to, the provision of dedicated gas tax funds.

Furthermore, a municipality receiving dedicated gas tax funds must agree to indemnify and hold harmless the indemnified parties from and against any and all losses or proceedings, by whomever made, sustained, incurred, brought, or prosecuted, in any way arising out of, or in connection with anything done or omitted to be done by the municipality or any municipality on behalf of which the municipality receives dedicated gas tax funds, or any of their respective personnel, the Program, any activity under it, or the letter of agreement, unless the loss or proceeding is solely caused by the negligence or willful misconduct of the indemnified parties.

A municipality receiving dedicated gas tax funds is responsible for its own insurance and must carry, at its own costs and expense, and require the same from its subcontractors and any municipality on behalf of which it receives dedicated gas tax funds, all the necessary and appropriate insurance that a prudent municipality in similar circumstances would maintain in order to protect itself and the Ministry and support the indemnification, as set out above, provided to the Ministry. For greater certainty, the municipality is not covered by the Province of Ontario's insurance program and no protection will be afforded to the municipality by the Government of Ontario for any losses or proceedings that may arise out of the Program or letter of agreement.

For greater certainty, the rights and remedies of the Ministry under a letter of agreement are cumulative and are in addition to, and not in substitution for, any of its rights and remedies provided by law or in equity.

13. COMPLIANCE WITH THE LAW

A municipality receiving dedicated gas tax funds must comply with all federal and provincial laws and regulations, all municipal by-laws, and any other orders, rules and by-laws related to any aspect of the services or assets provided or acquired with the dedicated gas tax funds and the dedicated gas tax funds.

For greater clarity, by receiving dedicated gas tax funds, a municipality may become subject to legislation applicable to organizations that receive funding from the Government of Ontario, including the *Public Sector Salary Disclosure Act, 1996*, S.O. 1996, c. 1, Sched. A and the *Auditor General Act*, R.S.O. 1990, c. A.35.

14. WHERE TO REQUEST OR PROVIDE INFORMATION

All forms, agreements, supporting documentation as well as any questions regarding the Program are to be directed to the Strategic Transit Investments Office of the Ministry of Transportation at MTO-PGT@ontario.ca.

APPENDIX A: REPORTING FORMS

APPENDIX B: CANADIAN CONTENT POLICY

APPENDIX C: VISUAL IDENTITY SIGNAGE REQUIREMENTS

1. Purpose of Schedule

This Appendix describes the responsibilities and obligations of a municipality receiving dedicated gas tax funds for the installation and maintenance of visual identity signage under the Program.

2. Visual Identity Signage

The municipality will install and maintain the exterior and interior visual identity signage on each public transportation vehicles for which dedicated gas tax funds were provided.

External visual identity signage must be located immediately to the left of the front passenger entrance doors of the vehicle. Internal visual identity signage should be placed on an interior wall in a location and height that will be convenient for passengers to read.

Recognition stickers approximate size — 10" x 3.4".

Authority: Item , Name of Committee
Report
CM: Date

Bill No.

CITY OF HAMILTON

BY-LAW NO. _____

To Authorize the Signing of an Agreement between the City of Hamilton and the Ministry of Transportation Related to Funding Provided Under the Dedicated Gas Tax Funds for Public Transportation Program.

WHEREAS the Council of the City of Hamilton deems it advisable to enter into an agreement with Her Majesty the Queen in right of Ontario, as represented by the Minister of Transportation related to funding provided by the Province of Ontario to the Municipality under the Dedicated Gas Tax Funds for Public Transportation Program;

NOW THEREFORE the Council of the City of Hamilton enacts as follows:

1. The Mayor and General Manager, Finance & Corporate Services are authorized and directed to sign the Letter of Agreement between the City of Hamilton and Her Majesty the Queen in right of Ontario, as represented by the Minister of Transportation which is attached Schedule A and forms part of this By-law.
2. This By-law may be cited for all purposes as the 2020 / 2021 City of Hamilton / Ministry of Transportation Gas Tax Funding Agreement Bylaw.
3. This By-law is deemed to have come into force on _____, 2021.


PASSED this _____ day of _____, 2021.

Fred Eisenberger
MAYOR

Andrea Holland
CLERK



CITY OF HAMILTON
CITY MANAGER'S OFFICE
 Digital, Innovation & Strategic Partnerships

TO:	Chair and Members General Issues Committee
COMMITTEE DATE:	February 17, 2021
SUBJECT/REPORT NO:	Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	John Ariyo (905) 546-2424 Ext. 1564 Pauline Kajiura (905) 546-2424 Ext. 2567
SUBMITTED BY:	Cyrus Tehrani Chief Digital Officer Digital, Innovation & Strategic Partnerships City Manager's Office
SIGNATURE:	

RECOMMENDATIONS

That staff be directed to retain a telephone polling company, to partner with the Project Lead Consultant, to conduct city-wide telephone polling with a target of 600 respondents, respecting the Hate Prevention and Mitigation Initiative to be completed by April 2021, at an estimated cost of \$25,000 to be funded through the Tax Stabilization Reserve.

EXECUTIVE SUMMARY

On September 23, 2020, the General Issues Committee of Council received a Consultant/Staff Recommendations Report. The report detailed key community engagement efforts already completed for the project. These included:

- **Equity-based Community and Public Conversations:** Between June 29 and August 19, 2020, six (6) individual virtual project engagement sessions were conducted and attended by **192** participants. The participants at each of the six separate sessions included - Black (40); Indigenous (15); Racialized (28); 2SLGBTQIA+ (33); Faith-based (15) and the General Public (61).
- **Community Survey:** Between June 16 and July 15, 2020, a detailed online community survey was also launched. The survey was completed by **91** participants across the city.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Page 2 of 8

- **Telephone and Email Exchanges:** Ten (**10**) specific telephone conversations and email exchanges took place involving the lead consultant and residents who preferred these methods.
- **Engagement with Council Members:** Between December 2019 and January 2020, six (**6**) Council members had a one-on-one conversation with the lead consultant and project Staff to share their thoughts on hate-motivated incidents in Hamilton, and what they had been hearing from constituents.
- **Mayor's Roundtable on Diversity and Inclusion:** Project consultant held two conversation sessions with the members of the Mayor's Roundtable on Diversity and Inclusion. The **13-member** table has diverse representation of community leaders and people with lived-experiences.
- **Best Practices Research:** The project consultant conducted a comprehensive review of at least **20** municipalities in Canada, United States, Australia and the United Kingdom to further complement findings from public engagement and inform key directions.

Council Directions, Research Findings, Status Updates and Recommendations

On September 23, 2020, Council provided key directions to Staff, including:

- Conduct further engagement with key community stakeholders and equity seeking groups to develop actions, recommendations and resource needs.
 - **Status update:** Staff are currently implementing this recommendation. The project consultant has also conducted further public engagement and received additional input on preliminary project recommendations.
- Conduct research and develop a report involving Legal Services, on what actions could be taken by Council to address public displays of flags and symbols considered by many as racist, hateful or offensive.
 - **Status update:** Staff are currently implementing this recommendation. A Staff report will be brought forward to Council when completed.
- Write a letter to the federal Minister of Justice requesting that the threshold of hate crime in the Criminal Code be consistently applied across law enforcement agencies in Canada
 - **Status update:** direction completed.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Page 3 of 8

- Engage with the Association of Municipalities of Ontario (AMO) to partner and address community equity issues common across Ontario municipalities.
 - **Status update:** two virtual anti-racism/equity conferences involving AMO and about 10 Greater Toronto and Hamilton Area (GTHA) municipalities were held in October and December 2020. Staff will continue to monitor the collaboration and bring forward further advocacy opportunities to Council.
- Lastly and specific to the 91 survey respondents, Council directed Staff to “review options as to how to obtain feedback from a larger sample of the broader community, with focus given to those with lived experiences, if possible, as it relates to the Hate Prevention and Mitigation Initiative, and report back to the General Issues Committee”.
 - **Status update:** this Council direction is the basis of this staff report – (CM19006(d)) (City Wide)).

Staff engaged with the Project Lead Consultant, reviewed survey best practices and obtained larger telephone polling quotes. Staff concluded that although pursuing a larger survey sample size effort might not significantly change some of the feedback already received from project participants to date, nevertheless a larger sample size will allow for broader community voices to be heard on the project.

For this reason, Staff are recommending to Council that Staff hire a polling company and conduct a citywide telephone polling. The polling will have 600 completed phone interviews at a cost estimate of \$25,000. The polling can be initiated and completed within two months. The sample quote details are attached as Appendix “A” to Report (CM19006(d)) (City Wide).

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: Recommendation cost estimate is \$25,000. The cost covers hiring a polling company and the Project Lead Consultant (Sage Solutions) working with the polling company to incorporate polling findings into final project reports. Staff recommend that the cost estimate be funded through the Tax Stabilization Reserve.

Staffing: There are no staffing implications related to the recommendations of Report (CM19006(d)) (City Wide).

Legal: There are no legal implications related to the recommendations of Report (CM19006(d)) (City Wide).

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

HISTORICAL BACKGROUND

On December 11, 2013, Council passed a motion reinforcing the use of the City Hall Forecourt as a space for public demonstrations and protests, and that there should be no cost to do so. Council also directed that the Special Events Advisory Team (SEAT) coordinate with protest organizers, where advanced notice of a protest is given.

On March 28, 2018, Council passed a motion directing Staff to investigate and report on ways to mitigate the use of City park and public spaces by "hate groups" in consultation with various groups.

On July 12, 2019, Council approved Staff recommendations on the draft Hate Incident Prevention Policy and Procedures, draft Procedure for Notification of Assembly or Demonstration and Corporate Security Office report (LS19031/PW19068). Council also directed Staff to retain an external consultant and conduct public engagement on these policies, procedures and other related issues.

On August 12, 2019, Staff provided an information update on the Staff composition and a process to retain a public engagement consultant (CM19006).

On October 16, 2019, Council received various project updates relating to the consultant procurement process and Corporate Security. Notably, Council approved a Trespass bylaw as submitted by Legal Services (LS19031/PW19068(a)/CM19006(a)).

In December 2020, Staff issued two notices under the new Trespass by-law.

On February 20, 2020, Council received an information update on the retention of a public engagement consultant (Sage Solutions) and their proposed public engagement plan (LS19031/PW19068(b)/CM19006(b)) (City Wide).

On September 23, 2020, Council approved Staff recommendations to the General Issues Committee, along with the two reports submitted by project consultant on research and public engagement (LS19031/PW19068(c)/CM19006(c)) (City Wide). Status updates of the subsequent Council directions are detailed on page 2 of this report.

Similarly on September 23, 2020 report, Council directed Staff to review options as to how to obtain feedback from a larger sample of the broader community, with focus given to those with lived experiences, if possible, as it relates to the Hate Prevention and Mitigation Initiative, and report back to the General Issues Committee (LS19031/PW19068(c)/CM19006(c)) (City Wide). This Council direction is the basis for this Staff report.

Additional Community Engagement Activities (October 2020 – January 2021)

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Page 5 of 8

While Staff continued to implement previous recommendations from September 23, 2020, the consultant also continued to do parallel work by engaging various community partners and stakeholders for additional feedback and input.

Between October 2020 and January 2021, the project consultant conducted additional community engagement to obtain input on preliminary draft recommendations. About **100** community stakeholders and general public participated.

These project engagement activities included:

- LGBTQ Advisory Committee – engagement, review and input received on the consultant’s draft recommendations report (October 20, 2020).
- Mayor’s Roundtable on Diversity and Inclusion – engagement, review and input received on the consultant’s draft recommendations report (October 30, 2020).
- Community stakeholders’ Meeting – engagement, review and input received on the consultant’s draft recommendations report (November 13, 2020).
- Committee Against Racism – engagement, review and input received on the consultant’s draft recommendations report (November 24, 2020).
- LGBTQ Advisory Committee – final engagement, review and input received on the consultant’s draft recommendations report (December 15, 2020).
- Consultant’s draft recommendations report was posted on the new Engage Hamilton platform for general public feedback (survey ran from November 16, 2020 to January 8, 2021).

The collective findings from these engagement activities will be captured and used by the consultant to inform the final project recommendations report.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

Policy implications and legislation relating to this initiative from the beginning include Canadian Charter of Rights and Freedom, Criminal Code of Canada and the Ontario Human Rights Code. Other related policies include privacy, policing and public safety requirements. Staff will regularly review and advise Council on continued alignments with applicable policies and legislation.

RELEVANT CONSULTATION

Internal Consultations

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Page 6 of 8

- **Audit Division**

Staff consulted to obtain names of major polling companies that participated in the procurement process for Our City Survey, which helped with getting a better sense of polling companies in the market place and cost estimates.

- **Related Survey Results**

Staff reviewed methodology, approach and results from related City-led equity-based projects, such as the Urban Indigenous Strategy and the Hamilton Anti-Racism Resource Centre (HARRC).

External Consultations

- **Project Consultant and Polling Companies**

Staff consulted with the project consultant to obtain advice on engagement methodology and polling sizes. The consultant also supported Staff in obtaining sample quote estimates from potential polling companies based on project needs and requirements. The quote options and estimates are attached as Appendix “A” to Report (CM19006(d)) (City Wide).

ANALYSIS AND RATIONALE FOR RECOMMENDATION

For this report, Staff reviewed advice from the consultant, average quote estimates from polling companies, various public engagement feedback and the City-led survey results from previous equity-based community projects. Staff key findings include the following:

- The issue of hate incidents is not unique to Hamilton as it is a common problem across Canada and around the world. As initially directed by Council, the Hate Prevention & Mitigation initiative is aimed at conducting community engagement to better understand the experiences of people impacted by hate, what is driving hate incidents and helping the City come up with more effective policies, strategies and other solutions to addressing them.
- In addition to various research and public engagement conducted for this project, Police-report hate crimes in Hamilton also provide another set of useful data and evidence for consultant’s review and consideration.
- Findings show that multiple engagement approaches are the best ways of obtaining input from people with lived-experiences, equity-seeking groups and the general public on a sensitive and often traumatizing topic like hate. However, COVID-19 and its effect on in-person public engagement impacted the project ability to obtain larger community engagement input typical for this kind of equity-based initiative.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Page 7 of 8

- Very useful input has been received from residents, equity-seeking groups and various community stakeholders on the project to date, even amid the pandemic. This feedback is key and remains very relevant in shaping project final recommendations.
- Lastly, Staff concluded that any additional effort by the City of Hamilton to obtain a broader community input could further be beneficial. The feedback could assist with further informing project recommendations and other policy considerations.

In view of the foregoing, Staff recommended that Council could direct Staff to conduct additional polling to increase sample size by hiring a polling company. The polling company and the lead consultant will work together to design, conduct and proceed with a citywide polling sample at a cost estimate of \$25,000.

The polling will target 600 telephone interviews, +/-5% margin of error, 19 times out of 20, with 95% confidence interval. The turnaround is typically within a couple of months, which can be launched in February 2021 and completed by mid-April 2021. The polling results will then be incorporated by the Project Lead Consultant into the project final recommendations report and submit to Council for approval by June 2021.

ALTERNATIVES FOR CONSIDERATION

As alternatives, City Council could consider two options:

- A. Direct Staff to hire a polling company and conduct a ward-by-ward polling sample at a cost estimate of \$114,000. The polling will target 5,700 completed telephone interviews (380 completed interviews per ward). Margin of error is +/-5%, 19 times out of 20, with 95% confidence interval. The timeframe for this option is three months.
- B. Direct Staff to hire a consultant and organize a Virtual Town Hall. The one-hour event has features like a live moderator, polling questions, guest speakers, question screeners, live audio/video webcasts, reporting and other functionality. Invitation outreach to potential participants could be conducted through Hamilton telephone landlines, with option for a pre-registration website. The event could accommodate up to 15 questions from potential participants. Total event cost estimate is \$9,000. The timeframe for this option is four weeks, which includes preparation and event promotion to ensure better community awareness. However, with a maximum of 15 questions this option allows, Staff believe the option would not adequately yield a larger sample size that meets Council direction.

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Hate Prevention and Mitigation Initiative Update (CM19006(d)) (City Wide)

Community Engagement and Participation

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

Healthy and Safe Communities

Hamilton is a safe and supportive City where people are active, healthy, and have a high quality of life.

Culture and Diversity

Hamilton is a thriving, vibrant place for arts, culture, and heritage where diversity and inclusivity are embraced and celebrated.

APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report (CM19006(d)) (City Wide): Telephone Polling Quotes

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

TELEPHONE POLLING QUOTES

Staff engaged with the project consultant for advice, conducted research and solicited informal quotes from a few polling companies between October and December 2020.

The two polling approaches relevant to the project in line with Council direction include either Option A – conducting a Citywide Telephone Polling or Option B – conducting a Ward-by-Ward Telephone Polling.

In the two scenarios, the work will require a polling company working directly with project lead consultant, Sage Solutions, to conduct a telephone polling across the city.

Details of each approach are highlighted below:

A	Citywide Telephone Polling	
1	Details	
	600 telephone interviews asking about 10 questions. The phone calls will be made mostly to landlines and some cell phones. The polling takes about two months to conduct and results compiled. The polling has a +/-5% margin of error, 19 times out of 20, with 95% confidence interval.	
2	Cost estimates	
	Polling company: (Cost includes project meetings, survey programming, hosting, fieldwork, data processing, analysis, reporting and Council/staff presentation)	\$15,000
	Sage Solutions – Project lead consultant: (Cost includes incorporating telephone polling findings into project reports, working with the polling company during polling phase and other project due diligence and Council/staff presentation)	\$10,000
	TOTAL COST ESTIMATE	\$25,000

Staff recommend Option A above if endorsed by Council.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

Appendix "A" to Report CM19006(d)

Page 2 of 2

B	Ward-by-Ward Telephone Polling	
1	Details 5,700 telephone interviews (380 completed interviews per ward) asking about 10 questions. The phone calls will be made mostly to landlines and some cell phones. The polling takes about three months to conduct and results completed. The polling has a +/-5% margin of error, 19 times out of 20, with 95% confidence interval.	
2	Costs Polling company: (Cost includes project meetings, survey programming, hosting, fieldwork, data processing, analysis, reporting and Council/staff presentation)	\$99,000
	Sage Solutions – Project lead consultant: (Cost includes incorporating telephone polling findings into project reports, working with the polling company during polling phase and other project due diligence and Council/staff presentation)	\$15,000
	TOTAL COST ESTIMATE	\$114,000

Staff do not recommend Option B due to cost and timing and that ward level detail will not necessarily provide new data to incorporate into recommendations above and beyond what Option A would provide.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.



Hamilton

**ADVISORY COMMITTEE FOR PERSONS WITH
DISABILITIES
REPORT 21-001**

4:00 p.m.

Tuesday, January 12, 2021

**Due to COVID-19 and the Closure of City Hall,
this meeting was held virtually.**

Present: A. Mallet (Chair), P. Kilburn (Vice-Chair), S. Aaron, J. Cardno, L. Dingman, A. Frisina, J. Kemp, T. Manzuk, C. McBride, M. McNeil, T. Murphy, K. Nolan and T. Nolan

Absent

with regrets: P. Cameron, M. Dent, S. Geffros and M. Sinclair

Also Present: J. Bowen, Supervisor, Diversity and Inclusion

**THE ADVISORY COMMITTEE FOR PERSONS WITH
DISABILITIES PRESENTS REPORT 21-001 AND
RESPECTFULLY RECOMMENDS:**

- 1. Resignation of Shahan Aaron from the Outreach Working Group of the Advisory Committee for Persons with Disabilities (Item 6.3(a))**

That the resignation of Shahan Aaron from the Outreach Working Group of the Advisory Committee for Persons with Disabilities, be received.

2. Update on COVID-19 and Persons with Disabilities (Item 8.3)

WHEREAS, at the September 8, 2020 meeting of the Advisory Committee for Persons with Disabilities, Committee members Tim Nolan and Tom Manzuk were authorized to delegate at the General Issues Committee on behalf of the Committee respecting all matters related to the COVID-19 pandemic and its impact on persons with disabilities, including recommendations for improved policies and procedures;

WHEREAS, the Advisory Committee for Persons with Disabilities prepared a list of concerns and challenges faced by persons with disabilities throughout the course of the COVID-19 pandemic;

WHEREAS, it is important to ensure that pandemic plans, policies and procedures account for the needs of persons with disabilities; and,

WHEREAS, consultation with the Advisory Committee for Persons with Disabilities on pandemic plans, policies and procedures would help to mitigate unintended negative impacts and consequences for persons with disabilities;

THEREFORE, BE IT RESOLVED:

That the Advisory Committee for Persons with Disabilities respectfully requests that consultation occur with the Advisory Committee for Persons with Disabilities when

developing future pandemic plans, policies and procedures, with the understanding that Public Health Services and the City's Emergency Operations Centre hold the safety and well-being of the public as paramount.

3. Advisory Committee for Persons with Disabilities Working Group Membership Review (Item 8.4)

- (a) That the resignation of Tim Nolan from the Built Environment Working Group and the Transportation Working Group of the Advisory Committee for Persons with Disabilities, be received; and,
- (b) That Tom Manzuk be appointed to the Transportation Working Group of the Advisory Committee for Persons with Disabilities for the remainder of the 2018 – 2022 Term of Council.

FOR INFORMATION:

(a) CHANGES TO THE AGENDA (Item 1)

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

8. DISCUSSION ITEMS

8.4 Advisory Committee for Persons with Disabilities Working Group Membership Review

CHANGES TO THE ORDER OF ITEMS:

That Item 8.1, respecting the Hamilton Amateur Athletic Association (HAAA) Grounds Renewal Plan (Ward 1), be

moved up on the agenda to be considered immediately following the Approval of Minutes of the Previous Meeting.

The agenda for the January 12, 2021 meeting of the Advisory Committee for Persons with Disabilities was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES (Item 3)

(i) December 8, 2020 (Item 3.1)

The minutes of the December 8, 2020 meeting of the Advisory Committee for Persons with Disabilities, were approved, as presented.

(d) DISCUSSION ITEMS (Item 8)

**(i) Hamilton Amateur Athletic Association (HAAA)
Grounds Renewal Plan (Ward 1) (Item 8.1)**

Maureen Wilson, Ward 1 Councillor, addressed Committee respecting the Hamilton Amateur Athletic Association (HAAA) Grounds Renewal Plan (Ward 1). Wes Kindree, Landscape Architect, was also present and assisted in answering questions of Committee on this matter.

The discussion, respecting the Hamilton Amateur Athletic Association (HAAA) Grounds Renewal Plan (Ward 1), was received.

(e) CONSENT ITEMS (Item 6)

(i) Built Environment Working Group Update (Item 6.1)

The Built Environment Working Group did not meet in January 2021.

(ii) Housing Issues Working Group Update (Item 6.2)

(a) Housing Issues Working Group Meeting Notes – November 17, 2020 (Item 6.2(a))

The Housing Issues Working Group Meeting Notes of November 17, 2020, were received.

(b) Housing Issues Working Group Meeting Notes – December 15, 2020 (Item 6.2(b))

The Housing Issues Working Group Meeting Notes of December 15, 2020, were received.

(iii) Outreach Working Group Update (Item 6.3)

The Outreach Working Group met on December 15, 2020 and discussed the creation of brochures to facilitate outreach to the public and a calendar highlighting disability-related dates. The next meeting is scheduled on January 19, 2021.

The verbal update, respecting the Outreach Working Group, was received.

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

(iv) Transportation Working Group Update (Item 6.4)

The project to have PRESTO card payments available on DARTS is underway, with a scheduled completion date of February 26, 2021. On December 8, 2020, Shahan Aaron attended a virtual demonstration, hosted by PRESTO, of how the payment app will work on DARTS vehicles. The main focus was on how the driver will interface with the app and what will be displayed when a customer's card is tapped on the card reader. The location/placement of the card reader within the DARTS vehicle has not yet been determined. Initial feedback includes that the system is slow, with an outdated appearance and little colour contrast. A detailed update will be provided at the next Transportation Working Group meeting.

The verbal update, respecting the Transportation Working Group, was received.

(v) Strategic Planning Working Group Update (Item 6.5)

(a) Strategic Planning Working Group Meeting Notes – December 16, 2020 (Item 6.5(a))

The Strategic Planning Working Group Meeting Notes of December 16, 2020, were received.

(b) Potential Database / Data Storage Solutions (Item 6.5(b))

The handout, respecting Potential Database / Data Storage Solutions, was received.

(f) DISCUSSION ITEMS (Item 8) (CONTINUED)

(i) Hamilton Strategic Road Safety Committee Meeting Update (Item 8.2)

The Hamilton Strategic Road Safety Committee was formed to provide guidance/direction to the Hamilton Strategic Road Safety Program (HSRSP). The mission and vision of the HSRSP is to provide a safe road network for all road users and to eliminate incidents that result in injury or fatality. The Committee is comprised of members from Roads and Traffic, Transportation Planning, Public Works Communications, Hamilton Police Services, Hamilton Public Health and the Ministry of Transportation Ontario.

The Chair of the Advisory Committee for Persons with Disabilities (or Committee Member Tom Manzuk in their stead) was authorized to represent the Committee's interests as a key stakeholder/advisor (non-voting member) on the Hamilton Strategic Road Safety Committee (see Item 3 of Advisory Committee for Persons with Disabilities Report 20-002 for reference).

Tom Manzuk attended a recent meeting of the Hamilton Strategic Road Safety Committee on the Chair's behalf and reported that many issues were discussed including, but not limited to, speed limits in school zones and the timing of traffic lights. The Advisory Committee for Persons with Disabilities' concerns around e-scooters and e-bikes were raised and the Hamilton Strategic Road Safety Committee committed to reviewing the matter further in future following

pending legislation. The next Hamilton Strategic Road Safety Committee meeting is scheduled in March 2021.

The verbal update, respecting the Hamilton Strategic Road Safety Committee Meeting, was received.

(ii) Update on COVID-19 and Persons with Disabilities (Item 8.3)

In preparation for their delegation to the General Issues Committee, Tim Nolan and Tom Manzuk reviewed the comprehensive list of feedback received to date from Committee members respecting all matters related to the COVID-19 pandemic and its impact on persons with disabilities, including recommendations for improved policies and procedures.

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

(g) GENERAL INFORMATION / OTHER BUSINESS (Item 11)

Anthony Frisina was recognized for being a 2020 Order of Hamilton recipient. The Order of Hamilton recognizes remarkable individuals who have made exceptional volunteer contributions to building our city and making it a better place to live, work and play.

(i) Accessibility Complaints to the City of Hamilton (Item 11.1)

Jessica Bowen, Supervisor, Diversity and Inclusion, indicated that accessibility complaints have been received in relation to keeping sidewalks clear on garbage routes.

The verbal update, respecting Accessibility Complaints to the City of Hamilton, was received.

(ii) *Accessibility for Ontarians with Disabilities Act, 2005 (AODA) Update (Item 11.2)*

No update.

(iii) *Presenters List for the Advisory Committee for Persons with Disabilities (Item 11.3)*

No update.

(iv) *Review of Advisory Committee for Persons with Disabilities Outstanding Business List (deferred from the December 8, 2020 meeting) (Item 11.4)*

(a) That the following items on the Advisory Committee for Persons with Disabilities Outstanding Business List (OBL) be considered complete and be removed:

- (i) Housing Services and City of Hamilton's Barrier Free Design Guidelines
Addressed as Item 2 on Healthy & Safe Communities Committee Report 19-001 (HSC19001)
Item on OBL: 2016-B
- (ii) Smoke Free Policy for Social Housing
Addressed as Item 11.4(a) on today's agenda
Item on OBL: 2017-B
- (iii) Snow Removal Processes and Policies
Addressed as Report PW19022(a)

Item on OBL: 2018-A

(iv) Review of Snow and Ice By-law No. 03-296
Addressed as Item 11.4(b) on today's agenda
Item on OBL: 2018-B

(v) Note-taker for ACPD meetings
Addressed as Item 11.4 on today's agenda
Item on OBL: 2018-C

(vi) Automated Pre-Boarding Announcements on
HSR Vehicles
Addressed as Item 11.4(e) on today's agenda
Item on OBL: 2018-D

(vii) Draft Proposal from DARTS respecting
Stranded Wheelchairs
Addressed as Item 11.4(c) on today's agenda
Item on OBL: 2018-E

(viii) Accessibility Review of City Hall Outstanding
Items
Addressed as Item 11.4(d) on today's agenda
Item on OBL: 2018-F

(ix) Hamilton Street Railway Bus Transfers
Addressed as Item (d)(i) on Advisory
Committee for Persons with Disabilities
Report 20-003
Item on OBL: 2019-A

(x) City's Commitment to the Lives of Persons
with Disabilities in the City of Hamilton
Addressed as Item 11.4 on today's agenda
Item on OBL: 2019-B

- (xi) Feasibility of a Document Sharing Portal
Addressed as Item 11.4(f) on today's agenda
Item on OBL: 2019-D

- (xii) Installation of Urban Braille along Cannon
Street East at the Intersections of Wellington
Street North, Catherine Street North, and
John Street North
Addressed as Item 1 and Item (e)(i) (Report
PW20049) on Advisory Committee for
Persons with Disabilities Report 20-003
Item on OBL: 2019-E

- (xiii) Rick Hansen Foundation Accessibility
Certification Ratings
Addressed as Item (h)(i) on Advisory
Committee for Persons with Disabilities
Report 20-003
Item on OBL: 2020-A

That the following items be considered incomplete and remain on the Advisory Committee for Persons with Disabilities Outstanding Business List (OBL):

- (i) Housing Services and City of Hamilton's
Barrier Free Design Guidelines
Addressed as Item 2 on Healthy & Safe
Communities Committee Report 19-001
(HSC19001)
Item on OBL: 2016-B

- (ii) Smoke Free Policy for Social Housing
Addressed as Item 11.4(a) on today's agenda
Item on OBL: 2017-B

- (iii) Snow Removal Processes and Policies
Addressed as Report PW19022(a)
Item on OBL: 2018-A
- (iv) Review of Snow and Ice By-law No. 03-296
Addressed as Item 11.4(b) on today's agenda
Item on OBL: 2018-B
- (vi) Automated Pre-Boarding Announcements on
HSR Vehicles
Addressed as Item 11.4(e) on today's agenda
Item on OBL: 2018-D
- (vii) Draft Proposal from DARTS respecting
Stranded Wheelchairs
Addressed as Item 11.4(c) on today's agenda
Item on OBL: 2018-E
- (viii) Accessibility Review of City Hall Outstanding
Items
Addressed as Item 11.4(d) on today's agenda
Item on OBL: 2018-F
- (ix) Hamilton Street Railway Bus Transfers
Addressed as Item (d)(i) on Advisory
Committee for Persons with Disabilities
Report 20-003
Item on OBL: 2019-A

Main Motion, ***as Amended***, to read as follows:

- (a) That the following items on the Advisory
Committee for Persons with Disabilities

Outstanding Business List (OBL) be considered complete and be removed:

- (v) Note-taker for ACPD meetings
Addressed as Item 11.4 on today's agenda
Item on OBL: 2018-C

- (x) City's Commitment to the Lives of Persons with Disabilities in the City of Hamilton
Addressed as Item 11.4 on today's agenda
Item on OBL: 2019-B

- (xi) Feasibility of a Document Sharing Portal
Addressed as Item 11.4(f) on today's agenda
Item on OBL: 2019-D

- (xii) Installation of Urban Braille along Cannon Street East at the Intersections of Wellington Street North, Catherine Street North, and John Street North
Addressed as Item 1 and Item (e)(i) (Report PW20049) on Advisory Committee for Persons with Disabilities Report 20-003
Item on OBL: 2019-E

- (xiii) Rick Hansen Foundation Accessibility Certification Ratings
Addressed as Item (h)(i) on Advisory Committee for Persons with Disabilities Report 20-003
Item on OBL: 2020-A

(h) ADJOURNMENT (Item 13)

There being no further business, the Advisory Committee for Persons with Disabilities was adjourned at 5:47 p.m.

Respectfully submitted,

A. Mallet, Chair
Advisory Committee for
Persons with Disabilities

Alicia Davenport
Legislative Coordinator
Office of the City Clerk

CITY OF HAMILTON MOTION

General Issues Committee: February 17, 2021

MOVED BY MAYOR FRED EISENBERGER

SECONDED BY COUNCILLOR

Establishing Fair Wages for Musicians: Guidelines and/or Policy for City-Run or City-Funded Events Utilizing Musicians

WHEREAS, the Mayor’s Task Force on Economic Recovery recommends the creation of a “minimum wage” pay scale for musicians hired by the City and at City related/sanctioned events, to ensure musicians are fairly compensated as COVID-19 related re-openings occur and to establish a best practice for the future;

WHEREAS, one of the City of Hamilton’s Music Strategy key goals is to cultivate music creation and talent;

WHEREAS, the City’s Creative Industries Sector Profile identifies music as one of the top industries for growth and development; identifies Hamilton as the number one/top destination for music related occupations in Canada; and identifies talent retention and attraction as essential in maintaining and developing the music industry in Hamilton;

WHEREAS, Hamilton is recognised as 7th in the world for the number of independent musicians per capita; and musicians and singers are the top core creative music sector occupations, representing 14% of all music sector occupations; and with 22% of all music industry workers identified as self employed;

WHEREAS, recognizing that the single most important source of income for a musician is generated through live performances in venues and spaces in cities across Canada, and that many musicians are unable to perform in venues and festivals due to COVID-19;

WHEREAS, the current Canadian Federation of Musicians and the Hamilton Musician Guild rates range from \$150 to \$590 for performances of approximately one hour in length (rates dependent on the number of musicians performing);

THEREFORE, BE IT RESOLVED:

That staff be directed to report back to the General Issues Committee on the establishment of City guidelines and/or a policy establishing a practice of payment for musicians, based on the most current fees recommended by the Canadian Federation for Musicians, represented locally by the Hamilton Musicians Guild Local 293 for City-hosted and City-funded events.