



The Regional Municipality of Durham

Planning and Economic Development Committee Agenda

Tuesday, May 2, 2023, 9:30 a.m.

Regional Council Chambers

Regional Headquarters Building

605 Rossland Road East, Whitby

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

Note: This meeting will be held in a hybrid meeting format with electronic and in-person participation. Committee meetings may be [viewed via live streaming](#).

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13. Adjournment

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Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

PLANNING & ECONOMIC DEVELOPMENT COMMITTEE

Tuesday, April 4, 2023

A regular meeting of the Planning & Economic Development Committee was held on Tuesday, April 4, 2023 in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM. Electronic participation was offered for this meeting.

1. Roll Call

Present: Councillor Pickles, Vice-Chair
Councillor Collier*
Councillor Kerr attended the meeting at 9:35 AM
Councillor Neal*
Councillor Shahid
Councillor Wotten
Regional Chair Henry
* **denotes Councillors participating electronically**

Also

Present: Councillor Ashe*
Councillor Carter*
Councillor Woo*

Absent: Councillor Chapman, Chair

Staff

Present: E. Baxter-Trahair, Chief Administrative Officer
C. Boyd, Solicitor, Chief Administrative Office – Legal Services
A. Caruso, Senior Planner, Transportation Planning
V. Chanthavong, Planner
S. Gill, Director, Economic Development and Tourism
C. Goodchild, Manager, Policy Planning & Special Studies
S. Hajsaleh, Planning Analyst
M. Hubble, Manager, Environmental Services Design, Works Department
L. Huinink, Director, Rapid Transit and Transit Oriented Development
J. Hunt, Regional Solicitor/Director of Legal Services, Chief Administrative Office – Legal Services
S. Jibb, Manager, Economic Development, Agriculture and Rural Affairs
G. Muller, Director of Planning
G. Pereira, Manager, Transportation Planning
D. Perkins, Project Planner

B. Pickard, Manager, Tourism
D. Ruby, Manager, Economic Development, Business Development and Investment
J. Severs, Manager, Economic Development, Marketing and Cluster Development
A. Topolnisky, Program Assistant, Invest Durham
L. Trombino, Manager, Plan Implementation
R. Inacio, Systems Support Specialist, Corporate Services – IT
S. Ciani, Committee Clerk, Corporate Services – Legislative Services
K. Smith, Committee Clerk, Corporate Services – Legislative Services

In the absence of the Committee Chair, Vice-Chair Pickles assumed the Chair.

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by Councillor Shahid, Seconded by Councillor Wotten,
(28) That the minutes of the regular Planning & Economic Development Committee meeting held on Tuesday, March 7, 2023, be adopted.
CARRIED

4. Statutory Public Meetings

4.1 Application to Amend the Durham Regional Official Plan, submitted by Wooden Sticks Golf Inc., to permit a five-storey hotel and expanded parking area ancillary to the existing golf course in the Township of Uxbridge, File: OPA 2022-006 (2023-P-7)

The Chair advised that this portion of the Planning & Economic Development Committee meeting constitutes the Statutory Public Information meeting under the Planning Act for a proposed amendment to the Durham Region Official Plan. He noted that the purpose of the public meeting is to provide the public with information about the proposed amendment and to hear any submissions. He also noted that notice of the public meeting was advertised in the Uxbridge Times Journal newspaper, and a notice was mailed to landowners and residents within 120 metres of the subject property.

A) Presentation

David Perkins, Project Planner, Planning Division, provided a presentation outlining the details of Report #2023-P-7 of the Commissioner of Planning and Economic Development. He advised that an application has been submitted by Wooden Sticks Golf Inc., to permit a five-storey hotel and expanded parking area

ancillary to the existing golf course in the Township of Uxbridge. The subject site is municipally known as 40 Elgin Park Drive and is located on the South side of Elgin Park Drive and is immediately south of the Uxbridge Urban Area. He provided an overview of the application and land use policy considerations. He also advised that to date 15 public submissions including 12 inquiries have been received related to some concerns or requests for information, 2 statements of support, and 1 statement of opposition regarding the proposed amendment.

D. Perkins responded to questions from the Committee regarding the reasoning for the additional proposed parking spaces; the perceived privacy issue from the surrounding residential homes; and whether the Wooden Sticks Golf Club or the residential homes were built first.

The Chair asked if there were any persons in attendance who wished to make a submission or ask any questions.

B) Delegations

1. Scott Waterhouse, Planning Manager, GHD, on behalf of Wooden Sticks Golf Inc., and Greg Seemann, Managing Partner, Wooden Sticks Golf Club

Scott Waterhouse, Planning Manager, GHD, appeared on behalf of Wooden Sticks Golf Inc., and Greg Seemann, Managing Partner, appeared on behalf of the Wooden Sticks Golf Club.

S. Waterhouse provided an additional overview of the area around the proposed site and highlighted that the existing parking lot would not change, and that the existing clubhouse would be retained. He also noted that there is a separation between the proposed hotel site and the surrounding residential areas.

C) Correspondence

1. Leslie Gifford, Uxbridge Resident, on behalf of the following: Dorothy and Henry Brown, David and Leslie Gifford, Joe and Gwen Yun, and Suzanne Schalk
2. David Austin, Uxbridge Resident
3. Shelley Langer, Uxbridge Resident

D) Report

Moved by Councillor Shahid, Seconded by Councillor Wotten,
(29) A) That Report #2023-P-7 of the Commissioner of Planning and Economic Development be received for information; and

- B) That all submissions received be referred to the Planning Division for consideration.

CARRIED

- 4.2 Application to Amend the Durham Regional Official Plan, submitted by Clark Consulting Services, on behalf of Bethesda Ridge Farms, to permit the severance of a farm dwelling rendered surplus as a result of the consolidation of non-abutting farm properties in the Municipality of Clarington, File: OPA 2023-001 (2023-P-8)
-

The Chair advised that this portion of the Planning & Economic Development Committee meeting constitutes the Statutory Public Information meeting under the Planning Act for a proposed amendment to the Durham Region Official Plan. He noted that the purpose of the public meeting is to provide the public with information about the proposed amendment and to hear any submissions. He also noted that notice of the public meeting was advertised in the Clarington This Week newspaper, and a notice was mailed to landowners and residents within 120 metres of the subject property.

A) Presentation

Vannitha Chanthavong, Planner, Planning Division, provided a presentation outlining the details of Report #2023-P-8 of the Commissioner of Planning and Economic Development. She advised that an application has been submitted by Clark Consulting Services, on behalf of Bethesda Ridge Farms, to permit the severance of a farm dwelling rendered surplus as a result of the consolidation of non-abutting farm properties in the Municipality of Clarington. The subject site is municipally known as 2774 Concession Road 6, and is located in Part of Lot 8, Concession 6, former Township of Darlington in the Municipality of Clarington. She provided an overview of the application and land use policy considerations. She also advised that to date no inquiries have been received related to the proposed application.

V. Chanthavong responded to questions from the Committee regarding the number of acres associated with the piece of land being severed; and the typical process when a farm dwelling is rendered surplus as a result of the consolidation of non-abutting farm properties.

The Chair asked if there were any persons in attendance who wished to make a submission or ask any questions.

B) Delegations

1. Hugh Stewart, on behalf of Clark Consulting Services
-

Hugh Stewart on behalf of Clark Consulting Services stated that he was present to answer any questions from the Committee.

C) Correspondence

There were no communications to consider.

D) Report

Moved by Councillor Wotten, Seconded by Councillor Shahid,

(30) A) That Report #2023-P-8 of the Commissioner of Planning and Economic Development be received for information; and

B) That all submissions received be referred to the Planning Division for consideration.

CARRIED

4.3 Application to Amend the Durham Official Plan, submitted by Clark Consulting Services, on behalf of Thornlea Holsteins Ltd., to permit the severance of a farm dwelling rendered surplus as a result of the consolidation of non-abutting farm properties in the Municipality of Clarington, File: OPA 2023-002 (2023-P-9)

The Chair advised that this portion of the Planning & Economic Development Committee meeting constitutes the Statutory Public Information meeting under the Planning Act for a proposed amendment to the Durham Region Official Plan. He noted that the purpose of the public meeting is to provide the public with information about the proposed amendment and to hear any submissions. He also noted that Notice of the public meeting was advertised in the Clarington This Week and Northumberland News newspapers, and a notice was mailed to landowners and residents within 120 metres of the subject property.

A) Presentation

Sara Hajsaleh, Planning Analyst, Planning Division, provided a presentation outlining the details of Report #2023-P-9 of the Commissioner of Planning and Economic Development. She advised that an application has been submitted by Clark Consulting Services, on behalf of Thornlea Holsteins Ltd., to permit the severance of a farm dwelling rendered surplus as a result of the consolidation of non-abutting farm properties in the Municipality of Clarington. The subject site is municipally known as 4854 Concession Road 5, and is located in Part of Lot 1, Concession 5 in the Municipality of Clarington. She provided an overview of the application and land use policy considerations. She also advised that to date no inquiries have been received related to the proposed application.

S. Hajsaleh responded to questions from the Committee regarding the size of the lot; and whether the barn and dry shed would remain with the property.

The Chair asked if there were any persons in attendance who wished to make a submission or ask any questions.

B) Delegations

1. Hugh Stewart, on behalf of Clark Consulting Services

Hugh Stewart on behalf of Clark Consulting Services stated that he was present to answer any questions from the Committee.

C) Correspondence

There were no communications to consider.

D) Report

Moved by Councillor Kerr, Seconded by Councillor Wotten,

(31) A) That Report #2023-P-9 of the Commissioner of Planning and Economic Development be received for information; and

B) That all submissions received be referred to the Planning Division for consideration.

CARRIED

5. Presentations

5.1 Jacque Severs, Manager, Economic Development, Marketing and Cluster Development, re: Invest Durham - Five-Year Marketing Plan (2023-EDT-5) [Item 8.2 a.)]

Jacque Severs, Manager, Economic Development, Marketing and Cluster Development provided a PowerPoint presentation regarding Report #2023-EDT-5: Invest Durham - Five-Year Marketing Plan.

Highlights from the presentation included:

- 2023-2027 Marketing Plan
 - Attract Investment
 - Support Business Growth
 - Support a Favourable Business Environment
- Marketing Plan Goals
 - Objective 1
 - Objective 2
 - Objective 3
 - Objective 4
 - Objective 5

- Marketing Plan Vision

J. Severs responded to questions from the Committee regarding the importance of diversity in a successful economic ecosystem; how Durham staff are advertising to international markets; and the benefits of using artificial intelligence (AI) in the future of economic development.

6. Delegations

There were no delegations heard.

7. Planning

7.1 Correspondence

A) Information Report #2023-INFO-22: Regional Planning Commissioners of Ontario (RPCO) Inventory of Ontario's Unbuilt Housing Supply

Staff responded to questions from the Committee regarding how the inventory of housing supply factors into the completion of the Municipal Comprehensive Review (MCR); and the factors that may affect the delivery of units at a regional level.

Moved by Councillor Shahid, Seconded by Councillor Kerr,
(32) That Information Report #2023-INFO-22: Regional Planning Commissioners of Ontario (RPCO) Inventory of Ontario's Unbuilt Housing Supply be received for information.

CARRIED

B) Correspondence received from the City of Pickering dated February 23, 2023, re: Durham Meadowway Enhancements and Amendments

Moved by Regional Chair Henry, Seconded by Councillor Wotten,
(33) That correspondence received from the City of Pickering dated February 23, 2023, re: Durham Meadowway Enhancements and Amendments be referred to staff for consideration.

CARRIED

C) Correspondence received from the Town of Whitby, dated March 27, 2023, re: Durham Meadowway – Green Energy Projects

Staff responded to questions from the Committee regarding what the next steps for the Durham Meadowway would be including when the next public information centre (PIC) would be held and whether it would be virtual or in-person, when notices for the PIC would go out, and how many comments were received from the first PIC that was held in January 2023.

Moved by Regional Chair Henry, Seconded by Councillor Shahid,
(34) That correspondence received from the Town of Whitby, dated March 27, 2023, re: Durham Meadoway – Green Energy Projects be referred to staff for consideration.

CARRIED

D) Draft Letter from the Regional Chair and Mayor Schummer, dated April 4, 2023, re: Resumption of Ontario Northland Rail Service – Beaverton Station

Moved by Regional Chair Henry, Seconded by Councillor Kerr,
(35) That we recommend to Council:

That the draft letter from the Regional Chair and Mayor Schummer, dated April 4, 2023, regarding the resumption of the Ontario Northland Rail Service – Beaverton Station, be endorsed, subject to further clarification and amendments by regional staff.

CARRIED ON THE FOLLOWING
RECORDED VOTE:

Yes

No

Councillor Collier
Regional Chair Henry
Councillor Kerr
Councillor Neal
Councillor Pickles
Councillor Shahid
Councillor Wotten

None

Members Absent: Councillor Chapman, Chair

Declarations of Interest: None

7.2 Reports

A) Application to Amend the Durham Regional Official Plan, submitted by Clark Consulting Services Ltd. on behalf of Vissers Sod Farm Ltd., to permit the severance of a dwelling rendered surplus to a farming operation as a result of the consolidation of non-abutting farm parcels in the Municipality of Clarington, File: OPA 2021-007 (2023-P-10)

Report #2023-P-10 from B. Bridgeman, Commissioner of Planning and Economic Development, was received.

Moved by Councillor Shahid, Seconded by Councillor Kerr,
(36) That we recommend to Council:

- A) That Amendment #190 to the Durham Regional Official Plan, to permit the severance of a dwelling rendered surplus as a result of the consolidation of non-abutting farm parcels, be adopted, as contained in Attachment #3 to Report #2023-P-10 of the Commissioner of Planning & Economic Development; and
- B) That “Notice of Adoption” be sent to the applicant, the applicant’s agent, the Municipality of Clarington, the Ministry of Municipal Affairs and Housing, and all other person or public bodies who requested notification of this decision.
CARRIED

B) Durham Agricultural Advisory Committee (DAAC) Membership Appointments (2023-P-11)

Report #2023-P-11 from B. Bridgeman, Commissioner of Planning and Economic Development, was received.

Moved by Councillor Kerr, Seconded by Councillor Wotten,
(37) That we recommend to Council:

- A) That the following citizen volunteers be appointed as “area municipal representatives” to the Durham Agricultural Advisory Committee: Neil Guthrie (Ajax); Tom Watpool (Brock); Tom Barrie (Clarington); Derrik Stevenson (Oshawa); Gord Taylor (Pickering); Nicole Swain (Scugog); Brian Hulshof (Uxbridge) and Ronald Death (Whitby);
- B) That the following citizen volunteers be appointed as “at large” farmer members to the Durham Agricultural Advisory Committee: Zac Cohoon (Scugog); Bryan Smith (Uxbridge); and Hubert Shillings (Oshawa);
- C) That the following citizen volunteers be appointed as “at large” non-farmer members to the Durham Agricultural Advisory Committee: Dave Risebrough (Uxbridge); Gerri Lynn O’Connor (Uxbridge); Matthew Sommerville (Scugog);
- D) That the following citizen volunteer be appointed as the “Durham Region Federation of Agriculture representative” to the Durham Agricultural Advisory Committee: Mark Shiers;
- E) That the above-named citizen volunteers be advised of their appointment to the 2023-2026 term of the Durham Agricultural Advisory Committee;
- F) That the unsuccessful applicants to the Durham Agricultural Advisory Committee be notified; and

- G) That a copy of Commissioner's Report #2023-P-11 be forwarded to the area municipalities and the Durham Region Federation of Agriculture.

CARRIED

C) Durham Environment and Climate Advisory Committee (DECAC) Membership Appointments (2023-P-12)

Report #2023-P-12 from B. Bridgeman, Commissioner of Planning and Economic Development, was received.

Moved by Regional Chair Henry, Seconded by Councillor Kerr,
(38) That we recommend to Council:

- A) That the following citizen volunteers be appointed as Area Municipal Representatives to the Durham Environment and Climate Advisory Committee: Muaz Nasir (Ajax); William Basztyk (Brock); Kim Murray (Clarington); Dimitri Stathopoulos (Oshawa); Ozair Chaudhry (Pickering); Geoff Carpentier (Scugog); Bruce Foxtan (Uxbridge); and Bryan Widner (Whitby);
- B) That the following citizen volunteers be appointed as At-Large members to the Durham Environment and Climate Advisory Committee: Keiko Lui and Jay Cuthbertson;
- C) That the following citizen volunteer be appointed as the Post-Secondary member to the Durham Environment and Climate Advisory Committee: Peter Cohen;
- D) That the following citizen volunteer be appointed as the Youth member to the Durham Environment and Climate Advisory Committee: Luke Nguyen;
- E) That the above-named citizen volunteers be advised of their appointment to the Durham Environment and Climate Advisory Committee;
- F) That the unsuccessful applicants to the Durham Environment and Climate Advisory Committee be notified; and
- G) That a copy of Commissioner's Report #2023-P-12 be forwarded to the area municipalities.

CARRIED

8. Economic Development

8.1 Correspondence

There were no communications to consider.

8.2 Reports

A) Invest Durham – Five-Year Marketing Plan (2023-EDT-5)

Report #2023-EDT-5 from B. Bridgeman, Commissioner of Planning and Economic Development, was received.

Moved by Councillor Wotten, Seconded by Councillor Shahid,
(39) That Report #2023-EDT-5 of the Commissioner of Planning and Economic Development be received for information.

CARRIED

9. **Advisory Committee Resolutions**

There were no advisory committee resolutions to be considered.

10. **Confidential Matters**

There were no confidential matters to be considered.

11. **Other Business**

11.1 Dark Fibre in the City of Oshawa

In response to a question from the Committee regarding the progress of the installation of dark fibre throughout the Region, and specifically in North Oshawa, Regional Chair Henry advised that the project is currently on track.

11.2 New Study on Aviation Demand for Pickering Airport

Regional Chair Henry referenced an article titled, “New study on aviation demand for Pickering airport shelved (probably) by Transport Canada” dated April 3, 2023 and written by Glenn Hendry. He stated that the study was posted to Transport Canada’s website and removed a day later and questioned why it had been removed.

Vice-Chair Pickles advised that the City of Pickering staff are also seeking clarification regarding the removal of the study from the Federal website.

Moved by Regional Chair Henry, Seconded by Councillor Shahid,
(40) That the Chair of the Region and the Mayor of Pickering work together to prepare a letter to the Minister of Transportation seeking clarification on the issue relating to the Pickering airport.

CARRIED

12. Date of Next Meeting

The next regularly scheduled Planning & Economic Development Committee meeting will be held on Tuesday, May 2, 2023 at 9:30 AM in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Moved by Councillor Neal, Seconded by Councillor Kerr,
(41) That the meeting be adjourned.

CARRIED

The meeting adjourned at 10:55 AM

Respectfully submitted,

D. Pickles, Vice-Chair

S. Ciani, Committee Clerk



The Regional Municipality of Durham Report

To: Planning and Economic Development Committee
From: Commissioner of Planning and Economic Development
Report: #2023-P-13
Date: May 2, 2023

Subject:

Public Meeting Report

Application to Amend the Durham Official Plan, submitted by Michael Smith Planning Consultants Development Coordinators Ltd., on behalf of Gowanlea Ltd., to permit the severance of a farm dwelling rendered surplus as a result of the consolidation of non-abutting farm properties, in the Township of Brock, File: OPA 2023-003

Recommendation:

That the Planning and Economic Development Committee recommends:

- A) That Commissioner's Report #2023-P-13 be received for information; and
 - B) That all submissions received be referred to the Planning Division for consideration.
-

Report:

1. Purpose

1.1 On February 14, 2023, Michael Smith Planning Consultant Development Coordinators Ltd. on behalf of Gowanlea Ltd. submitted an application to amend the Regional Official Plan (ROP) to permit the severance of a dwelling rendered surplus as a result of the consolidation on non-abutting farm parcels in the Township of Brock.

- 1.2 “A Notice of a Complete Application and Public meeting” regarding the application has been advertised in the appropriate newspaper. Notice of this meeting has also been mailed to those who own land within 120 metres of the subject site. This report was made available to the public prior to the meeting.

2. Background

- 2.1 The subject site is located on the north side of Brock Concession Road 7, west of Ridge Road and east of Sideroad 18A. The property is municipally known as 1705 Concession Road 7 and is located at Part of Lots 17 & 18, Concession 7 in the Township of Brock (refer to Attachment #1).
- 2.2 The subject site is a square shape and is approximately 39.4 hectares (97.3 acres) in size. The southern portion of the site contains an existing house, accessory buildings and a livestock barn. The existing accessory building and livestock barn are to be removed. A woodland is located in the northeast corner of the site.
- 2.3 In 2022, Gowanlea Ltd. purchased the subject site, and the lands are used for crop rotation. Gowanlea Ltd. is a private farm business and owns 22 agricultural properties totalling 833 hectares (2,058 acres) in the Township of Brock (refer to Attachment #2). The workable area of the site is approximately 25.2 hectares (62.2 acres). The house located on the subject site is not utilized by farm employees and is surplus to the farm operation.
- 2.4 The applicant has also filed a Zoning By-law Amendment Application with the Township of Brock to rezone the proposed retained farm parcel to prohibit further severances and residential development.
- 2.5 The surrounding land uses to the subject site includes:
- a. North - agricultural land, woodlot, and rural residences
 - b. East – Sideroad 18A, agricultural land, rural residences, woodlot
 - c. South – Concession Road 7, rural residences, agricultural land, woodlot
 - d. West – Wetland, agricultural areas, and rural residences

3. Reports Submitted in support of the Application

- 3.1 A Planning Justification Report/Agricultural Assessment prepared by Michael Smith Planning Consultants Development Coordinators Ltd. dated January 2023, has been submitted in support of the application. The report concludes that the proposed amendment meets the objectives and requirements of the Provincial Policy Statement, the Greenbelt Plan, the Regional Official Plan, the Lake Simcoe

Protection Plan (LSPP) and the Provincial Minimum Distance of Separation (MDS) requirements.

- 3.2 An Environmental Site-Screening Questionnaire dated January 11, 2023, completed by Cambium Inc., reported the subject land as having low level of environmental concerns and no further assessment is required.

4. Policy Context

Provincial Policy Statement (PPS) and Greenbelt Plan

- 4.1 The subject site is located within the Protected Countryside designation of the Greenbelt Plan. Both the Provincial Policy Statement and Greenbelt Plan permit the severance of a residence surplus to a farming operation as a result of farm consolidation, provided the planning authority ensures that a residential dwelling is not permitted on the proposed retained farm lot created by the severance and will be limited to the minimum size needed to accommodate the use.

Durham Regional Official Plan

- 4.2 The subject site is designated “Prime Agricultural Areas” in the ROP. The site is also located within the Provincial Agricultural System. The northeast portion of the property contains Key Natural Heritage and/or Hydrological Features. Severance applications for agricultural uses may be considered in accordance with the relevant policies of Sub-Section 9A of the ROP.
- 4.3 Policy 9A.2.10 of the ROP permits the severance of a farm dwelling rendered surplus as a result of a farmer acquiring a non-abutting farm, provided that:
- a. The dwelling is not needed for a farm employee;
 - b. The farm parcel is of a size which is viable for farming operations;
 - c. Within the Protected Countryside of the Greenbelt Plan Area, the dwelling was in existence as of December 16, 2004; and
 - d. The farm parcel is zoned to prohibit any further severances and the establishment of any residential dwelling.

5. Proposed Official Plan Amendment

- 5.1 The proposed amendment to the ROP would facilitate the severance of a 1.5 ha (4 ac.) parcel of land containing the existing dwelling, retaining a 38.2 ha (94.3 ac.) farm parcel. The subject dwelling was in existence prior to December 16, 2004.

6. Consultation

- 6.1 A copy of the proposed ROP Amendment has been circulated to the Ministry of the Municipal Affairs and Housing; the Township of Brock, the Lake Simcoe Region Conservation Authority, the Regional Health Department; the Regional Works Department; and the Durham Agricultural Advisory Committee.

7. Public Consultation

- 7.1 A “Notice of Complete Application” and “Notice of Public Meeting” regarding this application was advertised in the Brock Citizen, and a notice was posted on the Region’s website. Notice of this meeting has also been mailed out to those who own land within 120 metres (400 feet) of the subject site. This report was also made available to the public prior to the meeting.
- 7.2 Anyone who attends or participates in a public meeting may present an oral submission and/or provide a written submission to the Planning and Economic Development Committee on the proposed amendment. Also, any person may make written submission at any time before Regional Council makes a decision.
- 7.3 If a person or a public body does not make an oral submission at a public meeting, or does not make written submission before the proposed official plan amendment is adopted, the person or public body:
- a. Is not entitled to appeal the decision of the Region of Durham to the Ontario Land Tribunal (OLT); and
 - b. May not be added as a party to the hearing of an appeal before the OLT, as appropriate, unless in the opinion of the Tribunal, there are reasonable grounds to add the person or public body as a party.
- 7.4 Anyone who wants to be notified of Regional Council’s decision on the proposed ROP Amendment must submit a written request to:

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and Economic Development
Planning and Economic Development Department
Regional Municipality of Durham
605 Rossland Road East
Whitby, ON L1N 6A3
planning@durham.ca

8. Future Regional Council Decision

- 8.1 The Planning and Economic Development Department Committee will consider the proposed ROP Amendment at a future meeting and will make recommendation to the Regional Council. Council's decision will be final unless appealed.
- 8.2 All persons who make oral submissions, or have requested notification in writing, will be given notice of the future meeting of the Planning and Economic Development Committee and Regional Council at which the subject application will be considered.

9. Previous Reports and Decisions

- 9.1 There are no previous reports on this matter.

10. Relationship to Strategic Plan

- 10.1 In the processing of Regional Official Plan Amendment applications, the objectives are to ensure responsive, effective and fiscally sustainable service delivery.

11. Attachments

Attachment #1: Location Sketch

Attachment #2: Gowanlea Ltd. Agricultural Land Holdings

Respectfully submitted,

Original signed by

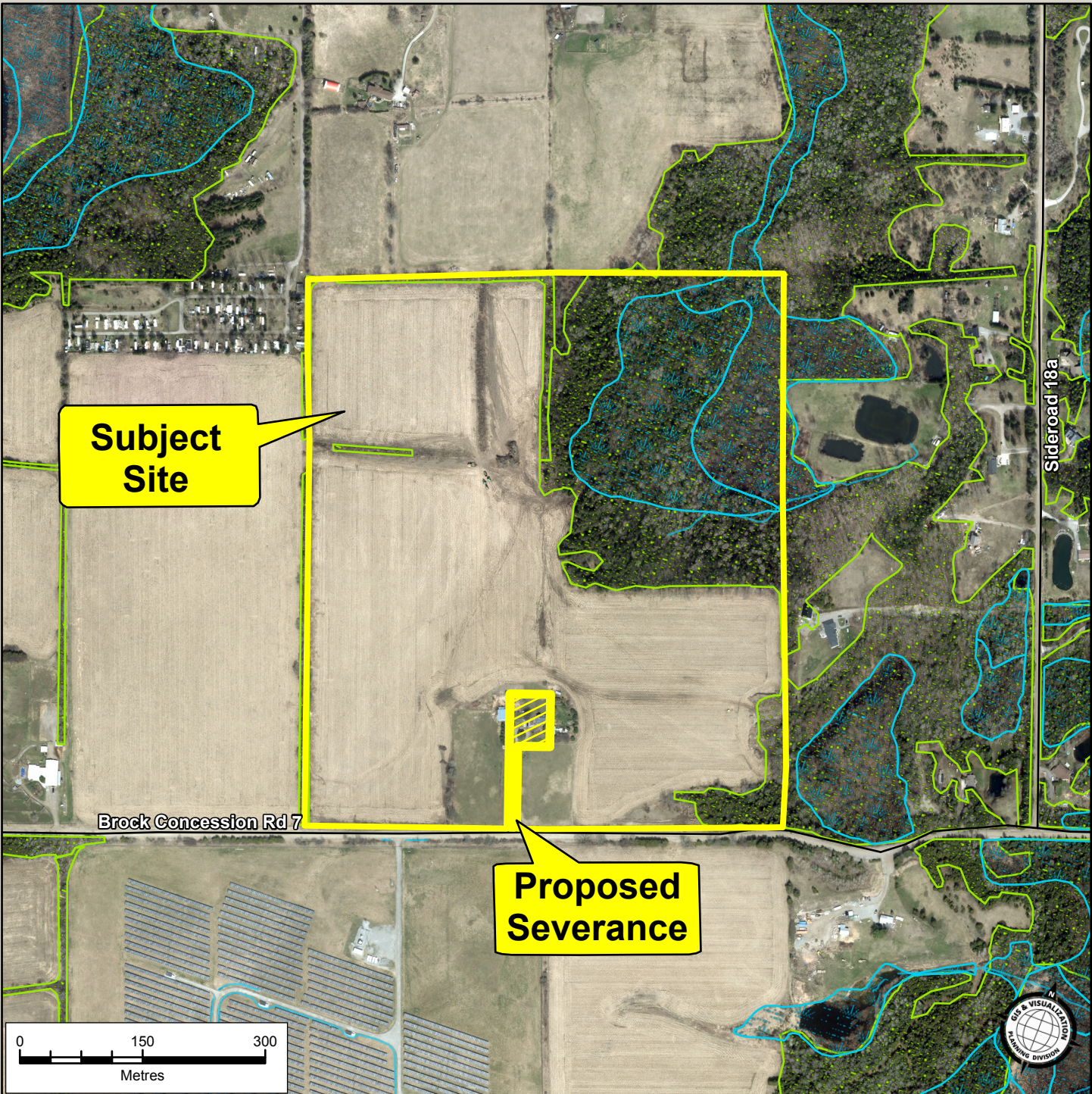
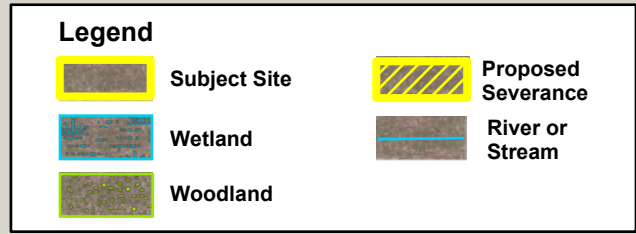
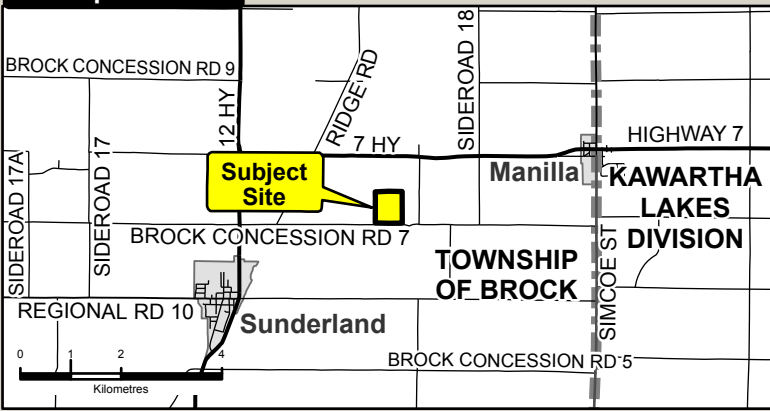
Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development

Recommended for Presentation to Committee

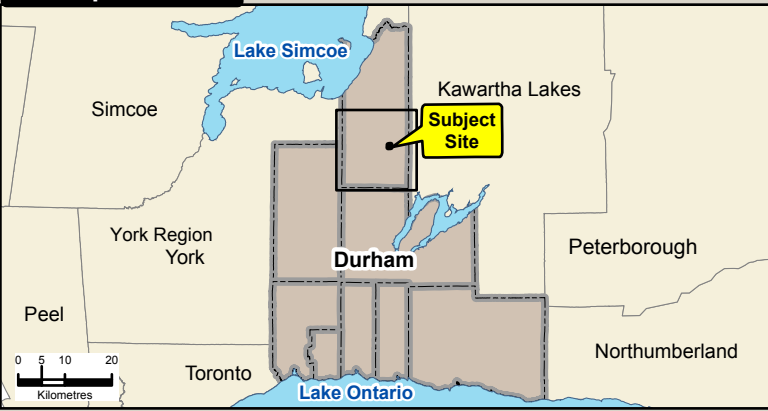
Original signed by

Elaine C. Baxter-Trahair
Chief Administrative Officer

Municipal Context



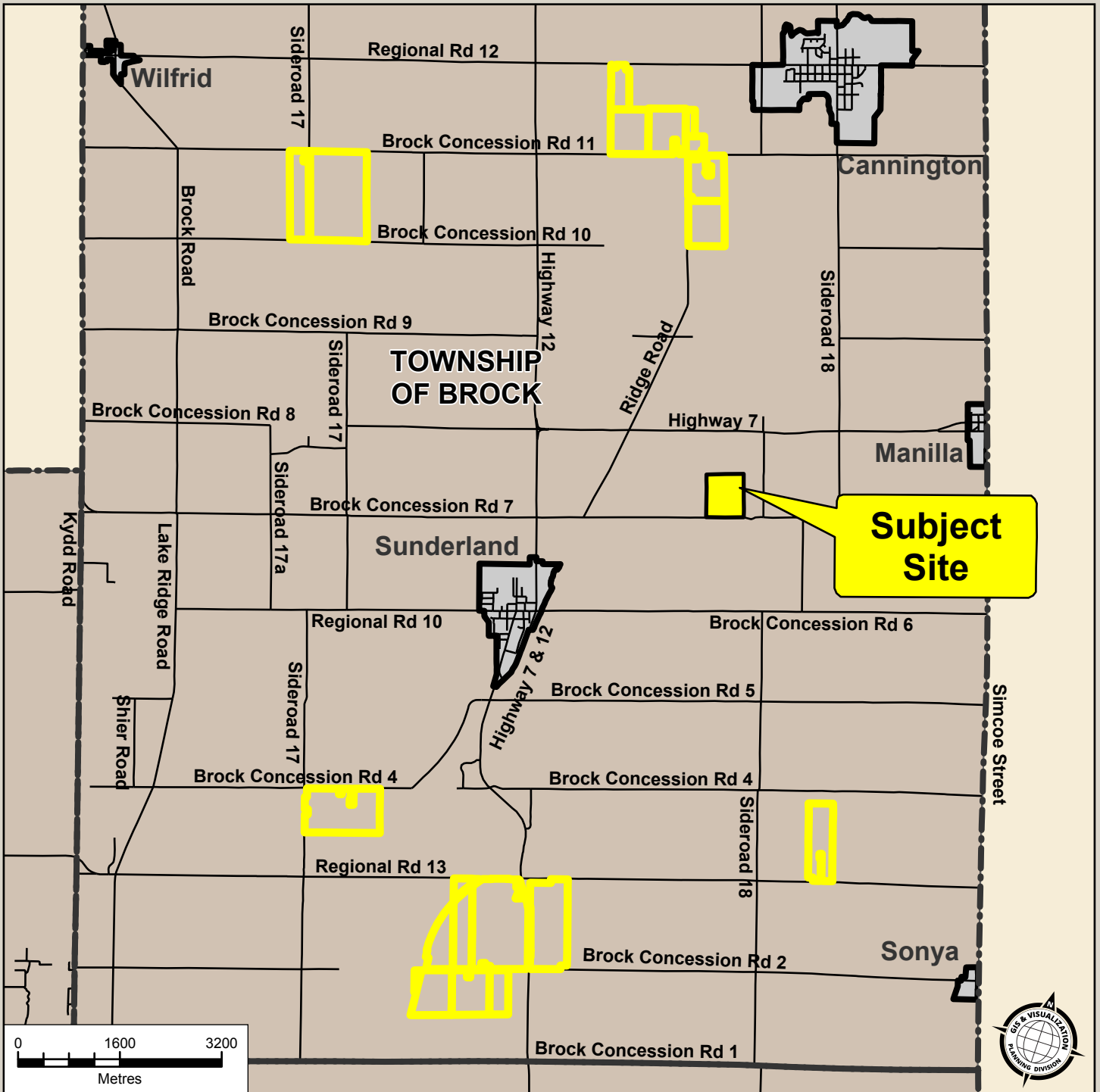
Municipal Context



**Attachment #2
Commissioner's Report: 2023-P-13
File: ROPA 2023-003 Municipality:
Township of Brock**

Legend

- Subject Site
- Other Lands Owned by Gowanlea Ltd.





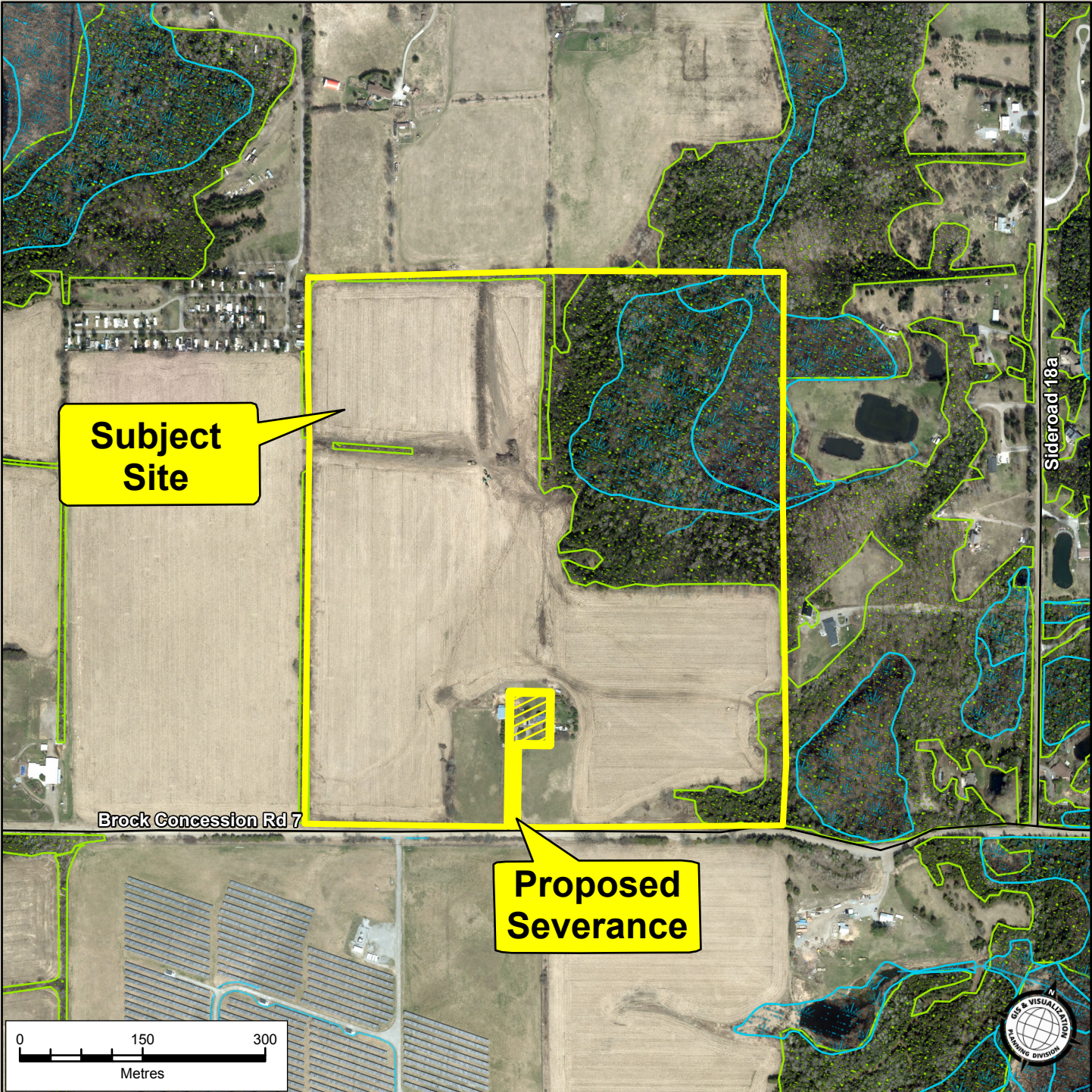
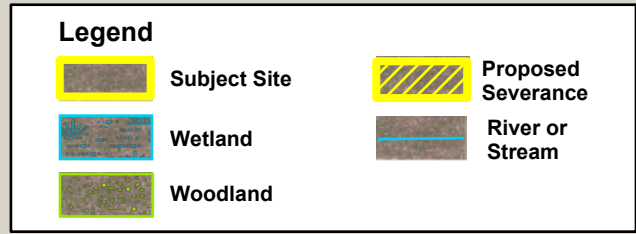
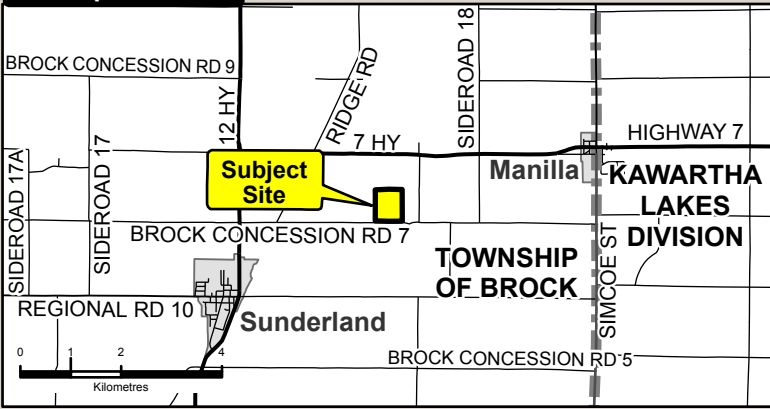
Public Meeting ROPA 2023-003

Sara Hajsaleh, Planning Analyst

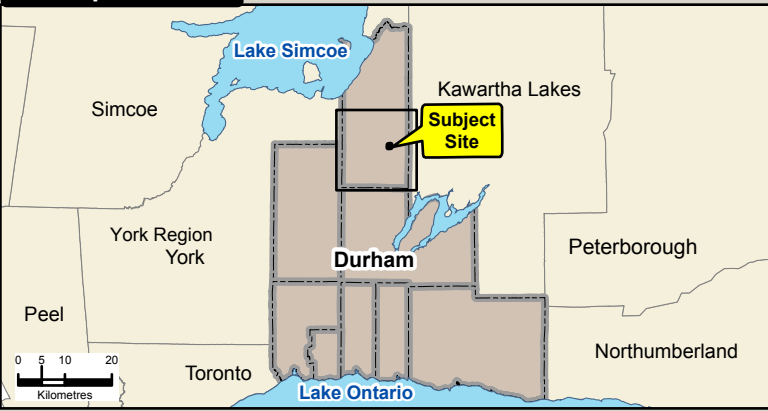
Planning Division

Planning & Economic Development
Department

Municipal Context

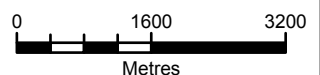
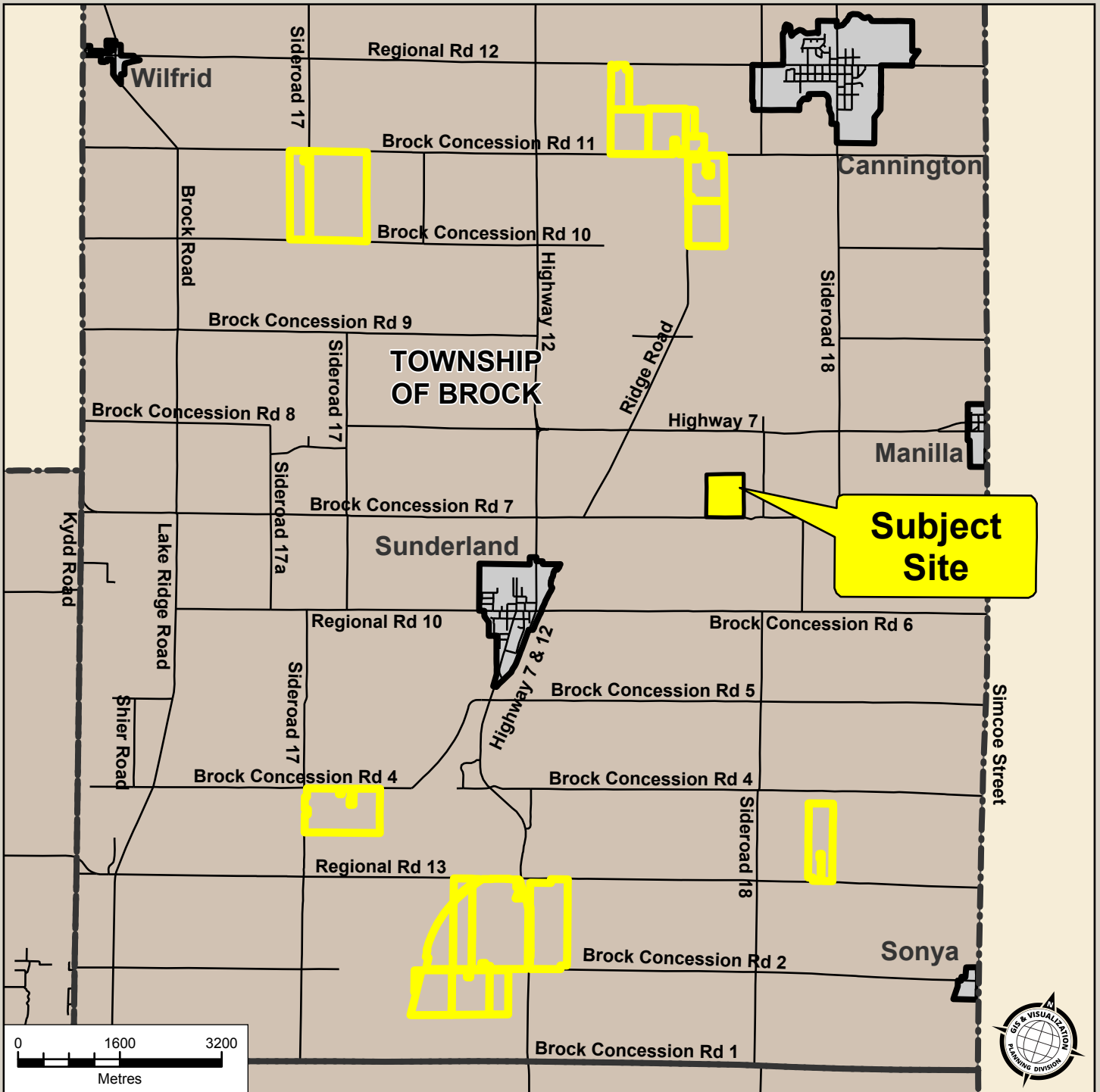


Municipal Context



Legend

- Subject Site
- Other Lands Owned by Gowanlea Ltd.





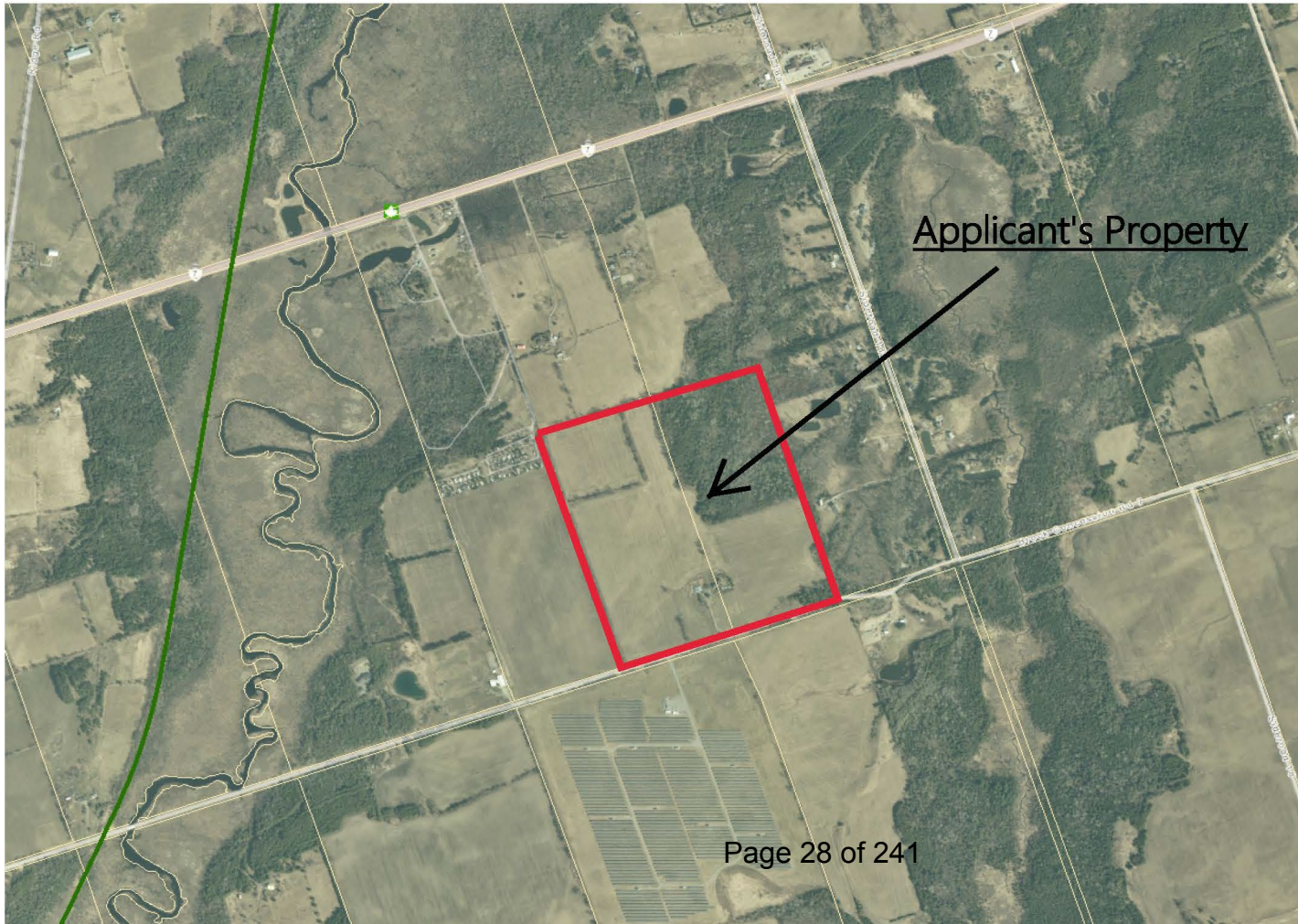
Questions?

Sara Hajsaleh, Planning Analyst
Planning Division
Planning & Economic Development
Department
























GOWANLEA LTD. 1705 CONCESSION ROAD 7

Application for Amendment to Official Plan

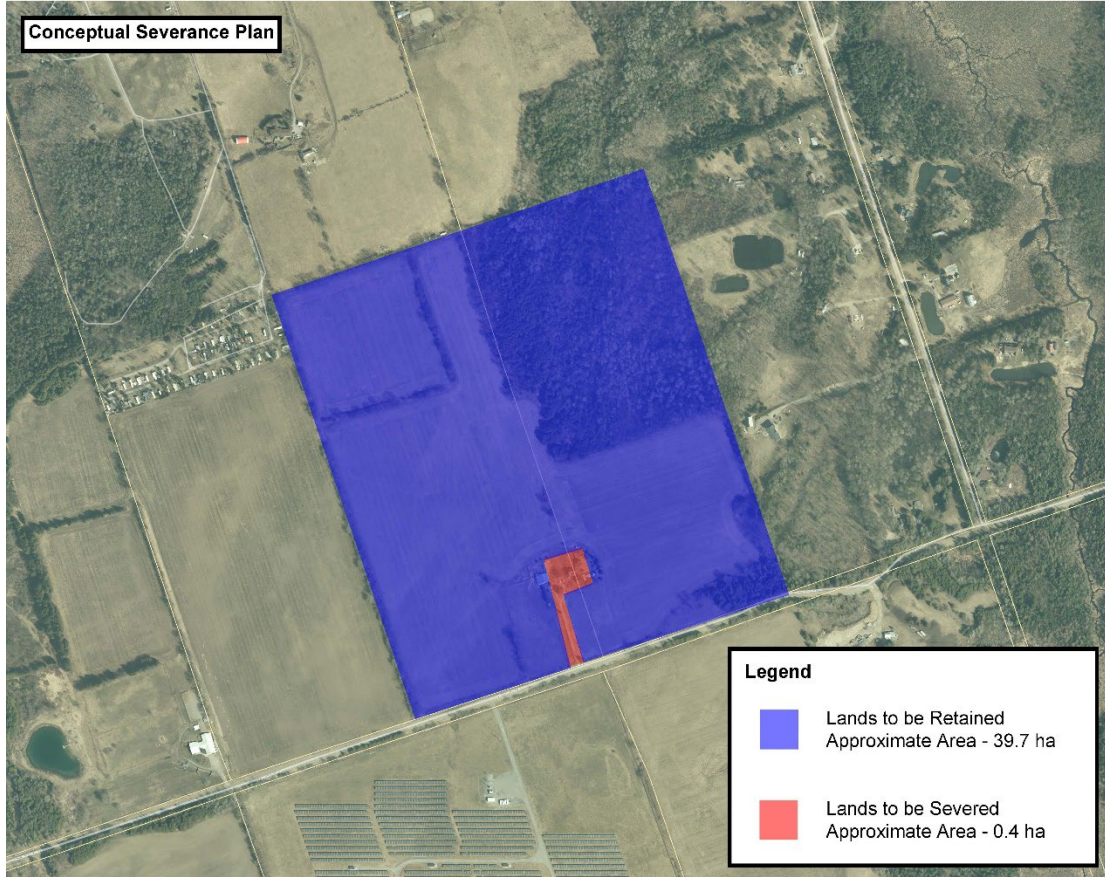
May 2nd, 2023



Applicant's Property

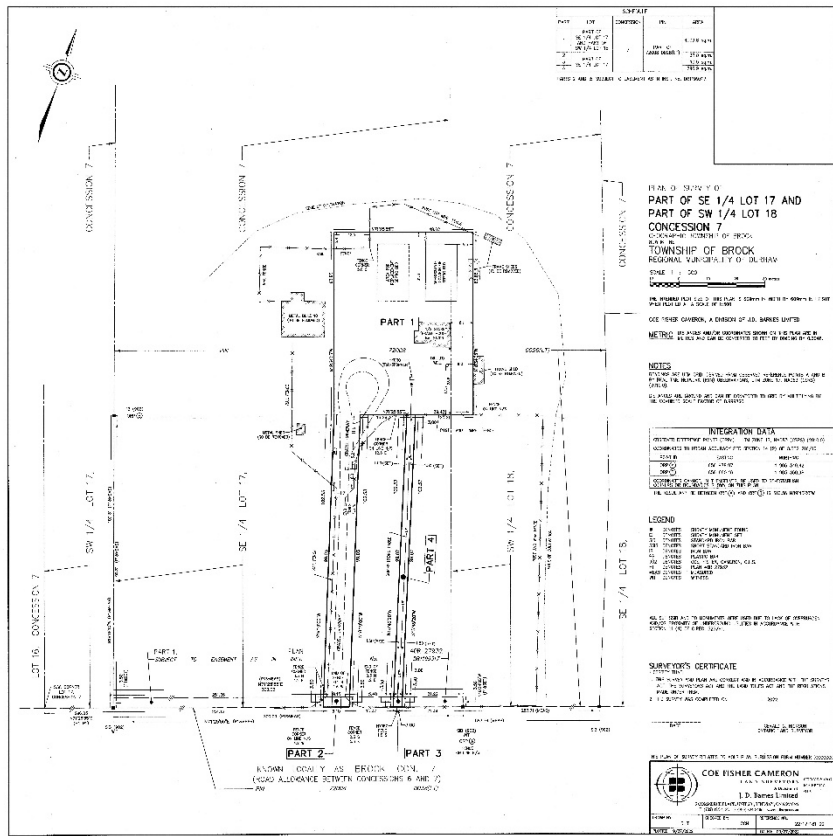
-  Education
-  Child care
- Government Offices
 -  Federal
 -  Provincial
 -  Regional
 -  Municipal
 -  Other
-  Senior Residences
-  Community Facility
-  Health-care Facility
-  Hospital
-  Library
-  Place of Worship
-  Transportation Nodes
-  Recreation Parks
- Regional Trails
 -  Conservation Area
 -  Oak Ridges Trail
 -  Trans Canada Trail
 -  Waterfront Trail
 -  Community Trail
-  Parks and Conservation Area
-  Recreation Facility
-  Lots / Concessions

Conceptual Severance Plan



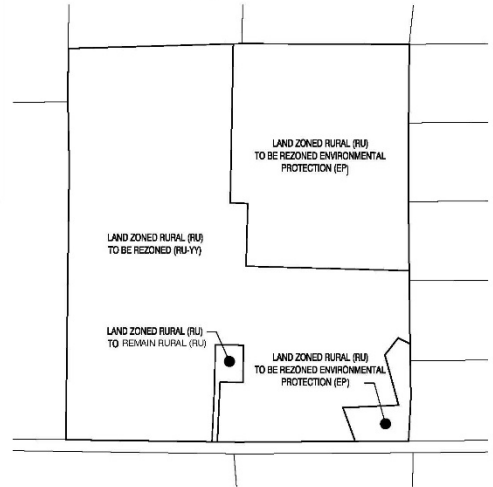
Legend

- Lands to be Retained
Approximate Area - 39.7 ha
- Lands to be Severed
Approximate Area - 0.4 ha



SCHEDULE "A"

To Zoning By-law No. XXXX-2023



This is Schedule "A" to By-law No. XXXX-2023

Passed this ___ day of ___, 2023

Mayor
Walter Schummer

Clerk / Deputy CAO
Fernando Lamanna

Durham Region's Freight and Goods Movement Forum

Presented to Planning and Economic Development Committee

May 2, 2023



 **ARCADIS**

IBI GROUP



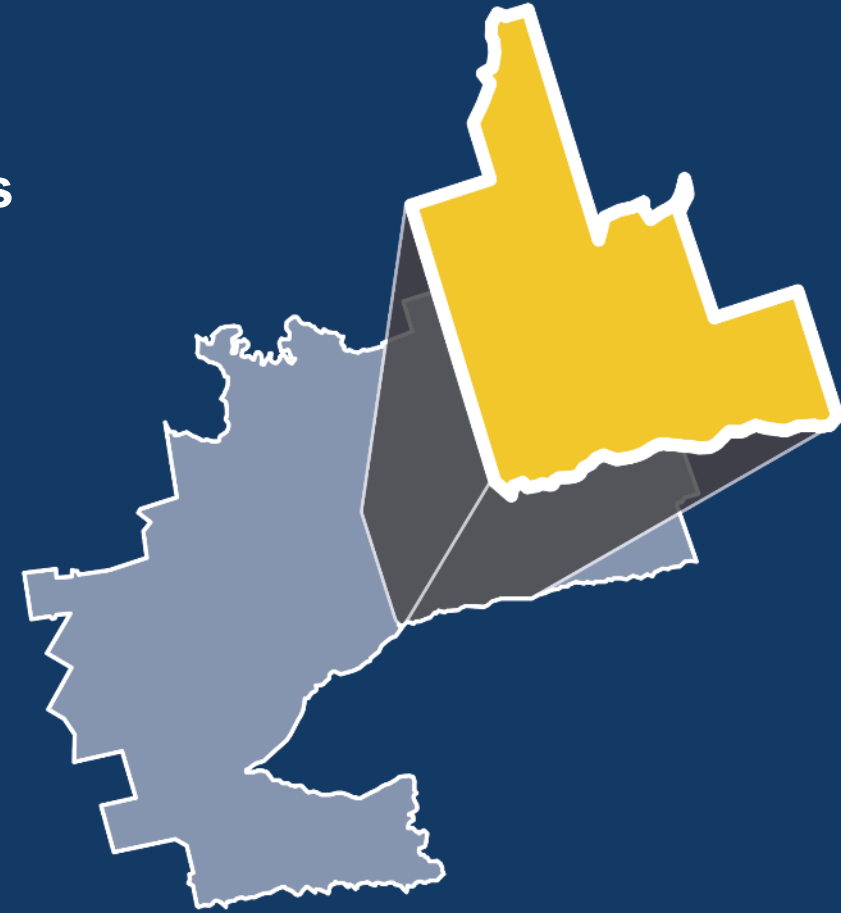
Durham Region in Context

DURHAM IS GROWING

Durham Region is one of the fastest growing communities in the Greater Golden Horseshoe, expected to grow from 700,000 people currently to 1.3 million by 2051

JOBS ARE ON THE RISE

Durham Region's total number of jobs is planned to increase from 230,000 currently to 460,000 by 2051. The Region is also planning to provide an additional 1,170 hectares of employment land near 400-series highways.



Durham Region in Context

Freight Activity and Key Opportunities in Durham



Durham's Strategic Goods Movement Network includes Regional Roads totalling

245 km



Durham's marine port handles 500,000 to 750,000 tonnes of cargo annually, equivalent to

16,000 truckloads



Durham's number of workers employed in freight and goods movement is just under

10,000

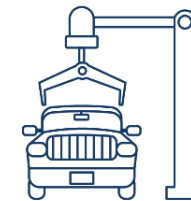


A high proportion of jobs in Durham are relevant to goods movement, including:



A new small modular reactor is planned in Durham by 2029, and will provide an additional

300 MW of power for electrification



The reopened General Motors Assembly plant is poised to host

2,600 auto-manufacturing jobs

Purpose of the Forum



Identified Goods Movement Issues and Solutions

Identified specific goods movement issues both globally and locally and identified ways to address them in partnership with government, agencies and industry leaders.



Fostered Collaboration and Partnerships

Increased collaboration and exposure to different perspectives between industry leaders, governments, and agencies within the Freight and Goods Movement sector.



Informed Future Policy Development and Updates

Forum lay the groundwork to identify key trends and challenges globally and locally to help inform and appropriately scope future policy development and updates

Alignment with Regional Plans and Goals

2020 – 2024 Durham Region Strategic Plan



Economic Prosperity

3.3 Enhance communication and transportation networks to better connect people and move goods more effectively



Service Excellence

5.1 Optimize resources and partnerships to deliver exceptional quality services and value through knowledge sharing

2017 Durham Region Transportation Master Plan

Direction 6: Improve goods movement to support economic development

- Goal: Collaboration will inform and support shared solutions
- Goal: Freight information will support policies, plans and practices
- Goal: The built environment will support goods movement

Action 94: Initiate a Durham regional freight forum

- Bring together all levels of government and industry though leaders to identify specific goods movement issues and to find ways to address them in partnership

Action 95: Develop a goods movement communication strategy

- Engages and educates the public and elected officials.
- Communicates the importance of integrating goods movement into all aspects of Regional business, identifying barriers in the existing network and promoting a consistent and supportive road network for goods movement.

Forum Snapshot



June 22 and June 23, 2022

2

day virtual
event

- Day 1 – Focused on the big picture
- Day 2 – Focused on Durham-specific trends and challenges

71

participants

- Attracted participants from across the goods movement spectrum including government, industry, service providers, academia, non-profits and more!

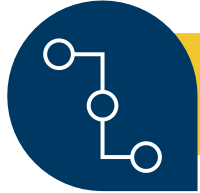
10

sessions

- The Forum provided a unique opportunity to share information on goods movement trends, needs, issues, best practices, and opportunities.



Trends and Recommended Actions



Congestion, connectivity and access challenges to moving freight

- Strengthen and integrate multi-modal infrastructure
- Improve access to marine ports and rail



Impending labour shortages and skill gaps impacting delivery of goods

- Invest in growing and attracting new talent and skill upgrades
- Enhance the transportation/logistics profile



A clear commitment to reducing our environmental impacts

- Accelerate clean energy production and environmentally conscious practices in how we transport goods and people



Historic levels of investment in vehicle manufacturing, particularly EVs

- Leverage strategic location and opportunities for economic development



Increasing opportunities and efficiencies through emerging technologies

- Apply real-world precedents of adopting electric vehicle use
- Become an incubator for leading-edge research



Increasing e-commerce, automation and other transformative goods delivery

- Create freight and goods movement-policies that encourage disruptive technologies and applications that balance community and industry needs

Key Takeaways



Need Freight Supportive Guidelines

Clearly identifies factors that influence freight in the Region, helps identify specific issues and actions needed to support goods movement and economy



Importance of Low Carbon Refueling and Charging Facilities

More investment in ultrafast charging technology is needed support the shift to electrification of fleet



Explore Truck Only Lanes on 400-series Highways

Congestion on 400 series highways was one of the top issues identified and improving efficiency of deliveries was a top priority for freight and goods movement in the Region



Investment in Agriculture and Goods Movement Hubs

Efficiency in getting goods from farm to table with a focus on economies of scale

Next Steps

- **Update Region's Freight and Goods Movement Strategy**
 - Capitalize on Durham's unique context to shape goods movement and enable economic development
 - Continue to build a robust, integrated network of reliable multi-modal infrastructure
 - Respond to both the opportunities and challenges of commercial vehicle electrification
 - Focus on transitioning to sustainable goods movement
 - Enhance the profile of the transportation and logistics sector
 - Build on short-term initiatives
 - Strengthen industry-government dialogue to addressing new challenges and seeking buy-in through meaningful terms

Goods Movement Strategy Update Timeline

Q4 – October 2023

Phase 1: Develop and confirm project scope

Q1 – February 2024

Phase 2: Issue project RFP and complete evaluation of proponents

Q2 – May 2024

Phase 3: Commence Durham Region's Goods Movement Strategy Update



Thank You!

Questions?



Contact:

Danielle Culp – Project Planner,
Transportation Planning
Email: Danielle.Culp@durham.ca

Greg Pereira – Manager,
Transportation Planning
Email: Greg.Pereira@durham.ca

Learn More:

For more information and updates on Freight and Goods Movement in Durham Region visit:

<https://www.durham.ca/en/living-here/transportation.aspx>



How to Do Business with the Film and Television Industry Event Overview

PEDC Presentation - May 2, 2023



Film and Television Industry

Ontario 2022

- Record-setting 419 productions, \$3.15 billion in annual production
- 45,000 direct and spin-off jobs with ability to host over 50 concurrent projects within the province

Durham Region

- 74 projects, 594 days of location filming in 2022
- Production has grown 165% from 2012 to 2022
- Average of 70+ feature films, TV series, commercials, documentaries each year
- Major domestic and foreign studios: Disney, CBS, Paramount, Amazon, Netflix, Shaftesbury, CBC, Apple TV, and MGM



Success through partnership

- Film Durham promotes Durham as destination for film production
- Film offices support projects providing seamless, efficient, timely service
- Event is a great example of partnership between Film Durham and local area municipal staff.





Event Overview

Free event for the business community to learn how to conduct business with the film and television industry.

- Film Durham industry overview and economic impact presentation
- Film Pickering presentation on the municipal experience
- Panel discussion with industry experts and audience Q&A
- Networking opportunities with industry professionals
- A reception with food and drink

February 23, 2023 from 2 p.m. to 5 p.m.

Your business. Their next film.

Learn how to conduct business
with the film and television industry

DURHAM REGION

Invest Durham
Film Durham

Ajax
By the Lake

Brock
breathe it in.

Clarington

Oshawa
Prepare To Be Amazed!

City of PICKERING

TOWNSHIP OF Scugog

The Township of UXBRIDGE
The Capital of Canada

Whitby

Panel Discussion and Q&A

Panelists: Location Managers, Production Manager, Production Coordinator with feature film, television series and commercial production experience.

- Type of products or services that might be sourced locally
- How vendor can develop relationships with the film industry
- Who drives the purchasing process for local spending



Attendees and Local Business Opportunities

- 240 registrations
- Companies who attended the event provide these products and services:

picture cars

tourism services

caterers and restaurants

florists

interior decorators

construction

rentals

landscaping design

entertainment insurance

bus transportation

vault storage

signage

day spa

hotels



Guide to Filming in Durham

- Provides an overview of the Durham Region Film Commission
- Maps, guidelines, resources, unions and guilds, film industry organizations
- Directory of 600 local businesses categorized by offering
- Location gallery
- Information was provided on how to list businesses in the guide



Guide to Filming in
Durham Region
2020 - 2021 Edition



Find us online at InvestDurham.ca/film



Presented by Jacquie Severs, Manager, Marketing and Cluster Development
Eileen Kennedy, Film Specialist - eileen.kennedy@durham.ca or 289-927-7119

InvestDurham.ca



If this information is required in an accessible format, please contact Economic Development & Tourism at 1-800-706-9857, ext. 2619.



The Regional Municipality of Durham Report

To: Planning and Economic Development Committee
From: Commissioner of Planning and Economic Development
Report: #2023-P-14
Date: May 2, 2023

Subject:

Freight and Goods Movement Forum

Recommendation:

That the Planning and Economic Committee recommends to Regional Council:

- A) That this report be received for information; and
 - B) That a copy of this report be provided to the Ontario Ministry of Transportation (MTO) and Durham Region's area municipalities.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to provide information regarding the outcomes of the Durham Region Freight and Goods Movement Forum (the "Forum") and present next steps for updating the Region's Freight and Goods Movement Strategy.

2. Background

- 2.1 The movement of freight and goods is an integral part of the Region's transportation system and is critical to the Region's economic well-being. Providing an efficient, continuous, connected goods movement system is fundamental to Durham's economic competitiveness and is an important consideration in site selection for both traditional and emerging industries.

- 2.2 The purpose of the Forum was to identify specific goods movement issues and find ways to address them in partnership with government, agencies and industry leaders. The firms of IBI and David Kriger Consultants Inc. were retained to host the virtual Forum on June 22 and 23, 2022.
- 2.3 The Forum focused on Durham, with an aim to help strengthen coordination with broader Greater Toronto Hamilton Area (GTHA) initiatives, including governments, agencies and freight industry leaders to promote effective goods movement throughout the GTHA. The Forum was the first step in the preparation of a Regional Goods Movement Strategy.
- 2.4 An internal working group, led by Transportation Planning was established to identify key topics, assemble subject matter experts and develop panel discussion questions. The working group consisted of staff from Works, Economic Development and the CAOs Office.

3. Objectives and Outcomes of the Forum

- 3.1 The Forum helped establish a better understanding of the needs, issues, best practices, and opportunities for freight and goods movement to help inform and guide Durham Region's Freight and Goods Movement Strategy update, which is expected to commence in Q2 of 2024.
- 3.2 The Forum attracted a variety of participants from across the North American goods movement spectrum and featured 10 sessions covering goods movement trends, issues and opportunities (see Figure 1 and Attachment #1).
- 3.3 The first day looked at global trends and issues across and the second day focused on Durham specific issues and innovations.
- 3.4 A Summary Report documented the objectives, design and conduct, themes, and takeaways of the Forum. The Summary Report also identified key challenges and opportunities and developed key actions and recommendations for Durham Region (see Attachment #2).
- 3.5 The findings from the Freight and Goods Movement Forum informed the new draft Regional Official Plan (Section 8.5, Goods Movement and Map 3c - Strategic Goods Movement Network); identified the need for freight supportive guidelines; highlighted the importance of low and zero carbon refueling facilities; identified a need to investigate technical feasibility of designating a heavy vehicle only lane along

Highways 401, 412 and 418; and signaled the importance of planning for agriculture and freight and goods movement hubs.

4. Key Themes from the Forum

4.1 A total of 28 presenters participated in the Forum who shared a range of insights, trends, challenges and opportunities. Seven (7) key themes emerged from the Forum (see Attachment #1):

- a. Impact of labour shortages on the delivery of goods is pronounced, and the need for new talent.
- b. The growing importance in the need to invest in vehicle manufacturing.
- c. The need for new approaches to transporting and accommodating goods to keep pace with new technology.
- d. The need to prioritize clean energy and environmentally conscientious practices in how goods and people are transported.
- e. The need to prioritize new technology and new modes of transport in goods movement production and delivery.
- f. The need for freight and goods movement specific policies and networks to improve goods movement and reduce impacts at the community level.
- g. Different modes of transportation to transport goods needs to be balanced.

4.2 A post-forum survey was circulated to attendees:

- a. Respondents noted that the top three issues facing freight and goods movement in the Region include:
 - i. Conflicts with other road users;
 - ii. Congestion on 400 series highways; and
 - iii. Transportation labour shortages.
- b. Respondents identified the following as priorities to be addressed through a Freight and Goods Movement Strategy:
 - i. Improving efficiency of deliveries by encouraging off-hour deliveries, examining truck-only lanes, and extending / upgrading the Strategic Goods Movement Network and truck routes in the region;
 - ii. Improving government / industry communication and collaboration; and
 - iii. Adding bike lanes and rework intersections to reduce conflicts with pedestrians and cyclists.



Figure 1 - Freight and Goods Movement Forum Snapshot

5. Future Actions and Next Steps

5.1 After the completion of the Forum and collection of survey data, seven key principles and recommendations emerged for the Region to consider when undertaking its Freight and Goods Movement Strategy:

- a. **Capitalize on Durham's unique context to shape goods movement and enable economic development.** Durham has many freight-related strategic strengths that position it well to support inter and intra-regional goods movement, including its strong agri-food industry, a concentration of institutions specializing in technology and innovation, automotive production and its prime access to the port of Oshawa. The Region should build on its local, regional, national connections and beyond, while also enhancing supply chain resiliency.
- b. **Continue to build a robust, integrated network of reliable multi-modal infrastructure.** When implementing Durham's Strategic Goods Movement Network, consider connectivity not just within Durham but look beyond Durham borders. The Strategy should identify ways to streamline inter-modal connectivity by broadening rail use and by improving north-south capacity to support Durham's agri-food industry.

- c. **Respond to both the opportunities and challenges of commercial vehicle electrification.** Carriers are starting to invest in electric vehicles for short-medium distance operations, but there are many challenges, including high initial costs, equipment supply challenges, payload capacity limits and limited driving range between charges, especially in cold weather. A key challenge is ensuring a reliable supply of (clean) energy as the electric vehicle market share increases.
- d. **Continue the transition to sustainable goods movement.** The Strategy should incorporate collaborative policies and actions that support both sustainability and economic development aspirations.
- e. **Build on short-term initiatives.** Recognize that the resolution of short-term issues can have beneficial long-term outcomes that achieve planning goals. For example, encouraging off-hours delivery can help alleviate today’s congestion levels and spur improved longer-term logistics practices.
- f. **Enhance the profile of the transportation and logistics sector.** Labour shortages continue to be a major challenge. The Strategy should include measures that amplify political support for the industry from the highest levels, highlight the benefits of goods movement to the public, correct the nuisance perception of goods movement, present viable options for urban goods movement and deliveries, and support logistics workforce development.
- g. **Collaborate.** The Strategy should strengthen industry-government dialogue established through the Forum, explore all avenues to address challenges (looking outside conventional solutions), seek buy-in by expressing benefits in meaningful terms, and supported by data to inform decisions and actions.

An overview of timeline of the Region’s Freight and Goods Movement Strategy update is provided in Figure 2.

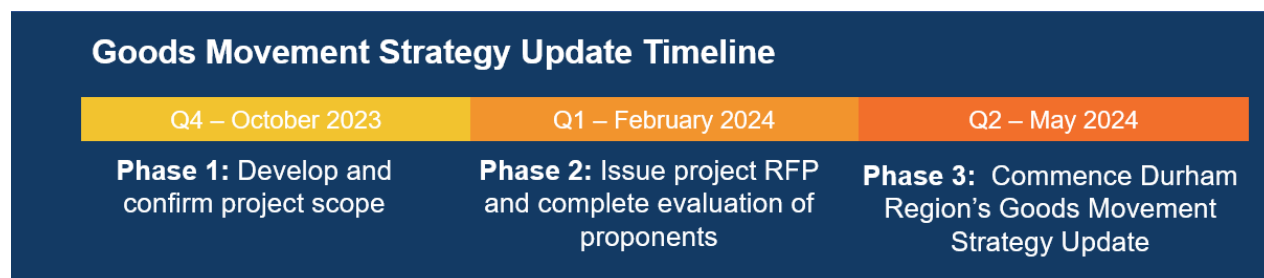


Figure 2 - Timeline of Freight and Goods Movement Strategy Update

6. Previous Reports and Decisions

6.1 No previous reports or decisions have been issued regarding this subject.

7. Relationship to Strategic Plan

7.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:

- a. Economic Prosperity 3.3 – Enhancing communication and transportation networks to better connect people and move goods more efficiently by highlighting innovations and growing the Region’s profile in the freight and goods movement sector.
- b. Service Excellence 5.1 – Optimizing partnerships to deliver exceptional quality services and value through knowledge sharing with industry stakeholders, municipalities, and government agencies to help support efficient and continuous movement of goods.

8. Conclusion

8.1 The Durham Region Freight and Goods Movement Forum helped inform Durham’s goods movement planning needs and increase stakeholder awareness and Durham’s profile in goods movement, while strengthening partnerships and collaboration between industry leaders and government agencies.

8.2 The Forum also served as a prototype for other municipalities looking to advance goods movement policies and initiatives within their municipality.

8.3 Staff from the Region’s Planning and Economic Development Department will use the information gathered at the Durham Region Freight and Goods Movement Forum and presented in the Summary Report to inform and initiate the update to the Region’s Freight and Goods Movement Strategy.

9. Attachments

Attachment #1: Freight and Goods Movement Forum Key Themes

Attachment #2: Freight and Goods Movement Forum Summary Report

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Panning and
Economic Development

Recommended for Presentation to Committee

Original signed by

Elaine C. Baxter-Trahair
Chief Administrative Officer



Durham Region Freight and Goods Movement Forum



Impacts of labour shortages on delivery of goods and need for growing new talent

1

- Need for further investment in skill upgrades to keep pace with demand and technology advancements. The automotive industry in particular is seeing significant transformation requiring skill upgrades and facing labour shortages.
- Employers need to look at new ways to promote growth within the goods movement sector to help retain talent and there is an increased need to attract skilled labour abroad through immigration to fill gaps that current Canadian labour force cannot fill.
- Challenge with retaining truck drivers to keep pace with demand. Current trends show that the average age of truck drivers is increasing, and vacancy of jobs is increasing.



Importance of investment in vehicle manufacturing

2

- Vehicle manufacturing has seen historic levels of investments in Ontario and Canada over the past 18 months.
- Seeing increase in shifts to electric vehicle manufacturing and improvements made to production of vehicles to expand supply and jobs in the province.



New approaches to transporting and accommodating goods is needed to keep pace with new technology

3

- Electrification of trucks and autonomous vehicle technologies is advancing however, larger scale vehicles like trucks need batteries with larger storage capacity and ultrafast charging are needed support the shift to electrification of fleet and support operations.
- Autonomous goods movement is being used in the Region and at the global scale, however, challenges arise when shifting from controlled areas like warehouses to uncontrolled settings like highways.



Prioritization of new technology and new modes of transportation in goods movement production and delivery

4

- Growing focus on new technologies to make storing and retrieval of goods more efficient.
- Planners and practitioners need to look beyond employment density and building footprint and think about vertical storage and structural requirements to help maximize efficiency in terms of operation and land.



Durham Region Freight and Goods Movement Forum



Prioritization of clean energy and environmentally conscious practices in how we transport goods and people

5

- Increase in incentives and investment in charging and refueling infrastructure is needed to achieve medium and heavy-duty vehicles decarbonization commitments and flatten Canada's carbon curve.
- Increase in the volume of small-scale deliveries is contributing to emissions and congestion. Consolidation of delivery combined with increasing micro-delivery options can help reduce single occupancy vehicle (SOV) trips and reduce emissions.
- Electrification is most viable for short term / medium distances and smaller vehicles and trucks that travel no more than 320 km.



Need for freight and goods movement specific policies and networks to improve the goods movement and reduce impacts at the community level

6

- Important to revisit street design, functions and safety features for fleet and delivery vehicles in order to address and accommodate the increasing demand for road space for different uses and users.
- With more development in suburban and rural communities, the impacts of noise pollution and emissions in areas with previously low densities are increasing and policies need to be revisited and updated to better accommodate the range of uses and users within areas.



Balancing the needs of different modes of transportation to transport goods

7

- Need to expand options and increase utilization of other modes used to transport goods by utilizing ports and rail lines to help alleviate congestion and take pressure off our roadways.
- Need to factor farm equipment, cargo-bikes and other goods movement-related vehicles into street design and road infrastructure that require more space and travel at slower speeds to ensure goods and people more efficiently and safely.



Freight Forum | June 22-23, 2022

Durham Region Freight and Goods Movement Forum



Attachment 2: SUMMARY REPORT

Prepared for
The Regional Municipality of Durham

Prepared by
IBI Group in association with David Kriger Consultants Inc.

August 31, 2022





The design and conduct of the Durham Region Freight and Goods Movement Forum were led by **Durham Region** Planning and Economic Development, together with a consulting team of **IBI Group** in association with **David Kriger Consultants Inc. (DKCI)**. The core project team included:

- [Greg Pereira](#), Durham Region Project Director
- [Victor Copetti](#), Durham Region Co-Project Manager
- [Danielle Culp](#), Durham Region Co-Project Manager
- [Anna Mori](#), IBI Group – Consultant Team Co-Project Manager
- [David Kriger](#), DKCI – Consultant Team Co-Project Manager.

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Page 18: “CN Locomotive in Pickering, ON” David Wilson from Oak Park, Illinois, USA, CC BY 2.0 <<https://creativecommons.org/licenses/by/2.0/>>, via Wikimedia Commons.

The remaining photos were procured via Adobe Stock.

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List of Appendices

Appendix A: Forum Web Page, Portal and Communications

Appendix B: Speakers and Moderators

Appendix C: Forum Participants





FAST FACTS on freight in Durham Region

DURHAM IS GROWING

Durham Region is one of the fastest growing communities in the Greater Golden Horseshoe, expected to grow from 700,000 people currently to 1.3 million by 2051.

JOBS ARE ON THE RISE

Durham Region's total number of jobs is planned to increase from 230,000 currently to 460,000 by 2051. The Region is also planning to provide an additional 1,170 hectares of employment land near 400-series highways.



SELECTED FREIGHT ACTIVITY AND OPPORTUNITIES IN DURHAM



Durham's Strategic Goods Movement Network includes Regional Roads totalling

245 km



Durham's marine port handles 500,000 to 750,000 tonnes of cargo annually, equivalent to

16,000 truckloads



A high proportion of jobs in Durham are relevant to goods movement, including:

49%	Commercial Sector
13%	Industrial Sector
6%	Agricultural Sector



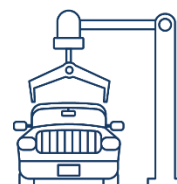
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Freight Forum | June 22-23, 2022

Durham Region Freight and Goods Movement Forum



Executive Summary

Executive Summary

Forum objectives, design and conduct

The Durham Region Freight and Goods Movement Forum (“the forum”) was conceived as a way to initiate meaningful and constructive dialogue on freight and goods movement trends, needs, issues, best practices and opportunities. The forum content was designed to inform the Region’s policies and strategies, particularly the Region’s anticipated update to its Freight and Goods Movement Strategy.

The forum was held on the mornings of June 22 and 23, 2022:

- Day 1 “The big picture” looked at broad patterns, trends and disruptors in national and global freight and goods movement.
- Day 2 “Focus on Durham” focused on understanding trends, challenges and opportunities close to home.

The forum was held virtually using Pheedloop, a Canadian online software platform that includes integrated forum web page and event portal creation, and supports event registration, participant communications, presentations, interactive discussions and networking. Forum registration was offered free of charge to participants.

The forum attracted 71 participants from government, freight infrastructure owners, industry, industry associations, non-governmental organizations and academia, 28 of whom served as speakers or moderators for one or more sessions.

Themes and takeaways

The presentations and discussions during the two-day forum provided a wealth of information on a range of freight and goods movement topics, for example:

- the importance of freight and goods movement to Durham Region
- the unique opportunities presented by the Region’s strategic geographic location as the eastern Greater Golden Horseshoe (GGH) gateway and well positioned on the transcontinental freight transportation network, its robust multi-modal transportation infrastructure (road, rail, marine and potentially air), its ample supply of industrial lands (especially relative to the rest of the GGH), and its strong agricultural, manufacturing and logistics/ distribution sectors
- the opportunities represented by investments of the Ontario and Canadian governments into auto manufacturing, in particular for electric vehicles
- the opportunities and challenges of population and employment growth in Canada and within Durham Region

- the pressures faced by changing global supply chains and their local impacts
- the lasting impact of the covid-19 response, increasing e-commerce and automation and other transformative technologies
- best practices in supporting the “last mile” of goods deliveries while mitigating the negative impacts of heavy vehicles on communities
- the imperative to reduce carbon emissions from transportation and initiatives taken by municipalities and organizations to this effect
- leading-edge research being conducted by Durham’s universities and colleges to support industrial growth and transportation innovations
- real-world precedents and lessons learned by businesses adopting electric vehicles for short to medium-distance operations.

What we heard from participants

In addition to being able to provide comments and questions during forum sessions, participants were also asked to provide their inputs through two interactive activities: a quick poll on the top challenges and opportunities at the end of Day 1, and a post-forum survey on the top issues and actions for the Region to consider.

Through the poll and the surveys, participants identified their **top goods movement challenges/issues**: congestion on 400-series highways and other roads, labour and driver shortages, high fuel prices, equipment supply shortages, safety (including conflicts with cyclists and pedestrians) and truck/trailer parking. Other challenges included barriers to transitioning to new technologies, land use planning, complete streets, infrastructure (including access to freight generators) and the need to accommodate growth in e-commerce traffic, among others.

The **top areas of opportunity/action** were means of reducing emissions (especially vehicle electrification) and technology solutions and advancements, such as automation, improving government/industry communications and collaboration, improving delivery efficiency (e.g., through off-hour deliveries and truck-only lanes), extending / upgrading the truck route network, and adding bike lanes and reworking intersections to reduce conflicts with cyclists and pedestrians, among others.

Participants were also generally pleased with the virtual platform used for the forum, which offers potential for future Regional consultations.

Key actions and recommendations

Seven key actions and recommendations arise from the forum for the Region to consider in updating its freight and goods movement strategy:

- 1. Capitalize on Durham's unique context to shape goods movement and enable economic development.** The forum noted Durham's many freight-related strategic strengths. This context provides the opportunity to build a viable economy whose market/supplier reach can build on its local, regional, national connections and beyond, while also enhancing supply chain resiliency.
- 2. Continue to build a robust, integrated network of reliable multi-modal infrastructure.** Durham has identified a Strategic Goods Movement Network of provincial, regional and local municipal roads that the Strategy will refine and adapt, considering connectivity not just within Durham but reaching beyond. The Strategy should assess the road network as an integrated system, identify ways to streamline inter-modal connectivity including broadening rail use, and ensure adequate north-south capacity to support Durham's agricultural industry.
- 3. Respond to both the opportunities and challenges of commercial vehicle electrification.** Carriers are starting to invest in electric vehicles for short-medium distance operations, but there are many challenges, including high initial costs, equipment supply challenges, payload capacity limits and limited driving range between charges, especially in cold weather. A key challenge is ensuring a reliable supply of (clean) energy as the electric vehicle market share increases.
- 4. Continue the transition to sustainable goods movement.** The Strategy can be expected to identify sustainable goods movement policies and actions and determine their applicability to Durham Region, and also consider how to implement these policies and actions. The forum highlighted some of these potential initiatives, while also recognizing economic development potentials. This provides an opportunity to develop collaborative policies and actions in the strategy that support both sustainability *and* economic development aspirations.
- 5. Build on short-term initiatives.** Many goods movement issues have an immediate impact but also will shape long-term outcomes and planning goals. Solutions to short-term issues can be important steppingstones to achieving long-term aspirations. For example, encouraging off-hours delivery can help alleviate today's congestion levels and spur new longer-term logistics practices.
- 6. Enhance the profile of the transportation and logistics sector.** While the pandemic has highlighted the critical importance of the goods movement sector, labour shortages is major challenge, due in part to a low profile. Steps to mitigate this include expressing political support for the industry from the highest levels, highlighting the benefits of goods movement to the public, offsetting the nuisance perception of goods movement by providing viable options for urban goods movement and deliveries, and supporting logistics workforce development.
- 7. Collaborate.** Industry-government dialogue and mutual understanding are key to the successful development and implementation of a goods movement strategy. The strategy update should look at ways to continue the dialogue established through the Forum, explore all avenues to address challenges (looking outside conventional solutions), get buy-in by expressing benefits cases in meaningful terms, and consider the need for data to inform decisions and actions.



Freight Forum | June 22-23, 2022

Durham Region Freight and Goods Movement Forum



Forum Purpose and Objectives



1. Forum purpose and objectives

The Durham Region Freight and Goods Movement Forum (“the forum”) was conceived as a way to **initiate meaningful and constructive dialogue** with different interest groups and participants across the goods movement spectrum on goods movement trends, needs, issues, best practices and opportunities. The forum would provide the valuable opportunity for different interest groups to hear each other’s needs, realities, aspirations and how they make their decisions.

In its broadest terms, the goal of the forum is to **enhance Durham Region’s attractiveness to businesses**. The forum would explore how to improve goods movement to enhance Durham Region’s attractiveness as a place for businesses to locate, while also offering a high quality of life for its residents.

The forum content and discussions would **inform the Region’s policies and strategies**, particularly the Region’s anticipated update to its Freight and Goods Movement Strategy, helping to identify needs and clarify actions to be considered.

It is also important to **document the findings of the forum**, the objective of this document. This document summarizes the following in subsequent sections:

- forum design and conduct (section 2)
- themes and takeaways (section 3)
- top issues and opportunities identified (section 4)
- key actions and recommendations for Durham Region (section 5)

Appendices provide additional forum details.





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Durham Region Freight and Goods Movement Forum



Forum Design and Conduct



2. Forum design and conduct

This section describes the considerations that went into planning and hosting the forum, and an overview of how the forum was conducted.

2.1 Forum design

The IBI Group - DKCI consulting team was retained in February 2022 to provide consulting support to the Region. The Region and consulting teams worked closely in preparing for the forum event.

Forum timing

The forum was designed to take place in June 2022 before the summer vacation period, while also avoiding the provincial election early in the month.

The Forum timing spanned two consecutive morning sessions rather than a single full-day event to encourage participation from those who would find it challenging to leave other duties for a full day. Given the continuing impacts and uncertainties of the covid-19 pandemic and related health and safety guidance, the event was held virtually. Forum registration was offered free of charge to participants.

Forum agenda

The agenda was developed to cover a broad range of pertinent topics. To keep participants' interested, presentations were kept brief and focused with question-and-answer periods for interaction and discussion. Exhibit 2.1 shows the agenda for the two days of the forum, June 22 and June 23. The first day's goal was to explore broader freight and goods movement trends, while the second day focused specifically on Durham Region.

Forum platform

The software platform selected to host the forum was PheedLoop, a Canadian-based virtual conference software solution. PheedLoop provided an integrated package to design and host a web page for forum information and registration (a portion of the website landing page is shown as Exhibit 2.2), virtual forum portal with integrated live session streaming (a sample screen shot is shown Exhibit 2.3) and managing and tracking and email communications with participants. The virtual forum portal included the ability for participants to communicate with each other via chat functions or by entering into a private video conference, which helped replicate an in-person event. Additional information on the forum platform and communications is included as Appendix A.

Exhibit 2.1: Forum agenda

Agenda for Wednesday, June 22, 2022

A. The “big picture”

Understanding broad patterns and trends in freight and goods movement

8:00 a.m. Exhibition hall and networking

8:30 1. Welcome

8:35 2. Introductory keynote address

Where **Canadian** manufacturing is headed and implications for freight

9:00 3. The fundamentals

What matters most to freight and goods movement in Canada

3.1 Demographic and economic trends

3.2 Profile of multi-modal freight infrastructure and supply chains

Moderated question and answer

9:25 Health break

9:35 4. Trends and disruptors

What factors are having the greatest impact on economic development and the way we move things?

4.1 How freight and goods movement work: challenges and opportunities

4.1.1 Trends in freight and logistics

4.1.2 First and last kilometre

Moderated question and answer

4.2 Focus on the environment

4.2.1 Sustainability and decarbonization technologies and practices I

4.2.2 Sustainability and decarbonization technologies and practices II

Moderated question and answer

4.3 New and emerging technologies and their impact on freight

4.3.1 New technologies in transportation and logistics

4.3.2 New business models and considerations for logistics providers
integrating zero-emission vehicles

Moderated question and answer

10:55 5. Wrap-up

11:00 Exhibition hall and networking

Exhibit 2.1: Forum agenda (continued)

Agenda for Thursday, June 23, 2022

B. Focus on Durham”

Understanding trends and challenges close to home

8:00 a.m. **Exhibition hall and networking**

8:30 **1. Welcome and recap of Day 1: The big picture**

Opening remarks

Recap of Day 1; Moderated question and answer

8:45 **2. Durham today and tomorrow**

What specific factors will influence freight in Durham Region?

2.1 Demographic and economic trends in Durham Region

2.2 Freight infrastructure and planning in Durham Region

2.3 Freight and goods movement profile for Durham Region

Moderated question and answer

9:20 **Health break**

9:30 **3. Durham’s goods-generating industries**

Profiles of five key industrial sectors, highlighting Durham’s economic strengths and challenges.

3.1 Agri-business

3.2 Advanced mobility

3.3 Energy

3.4 Hamilton and Oshawa Port Authority

3.5 Future technologies and research

Moderated question and answer

10:10 **4. Summary and take-aways**

Pulling together what we’ve heard

4.1 Academic viewpoint

4.2 Industry viewpoint

Moderated question and answer

10:30 **5. Closing keynote**

10:50 **6. Wrap-up**

11:00 **Exhibition hall and networking**

Exhibit 2.2: Forum website – landing page excerpt

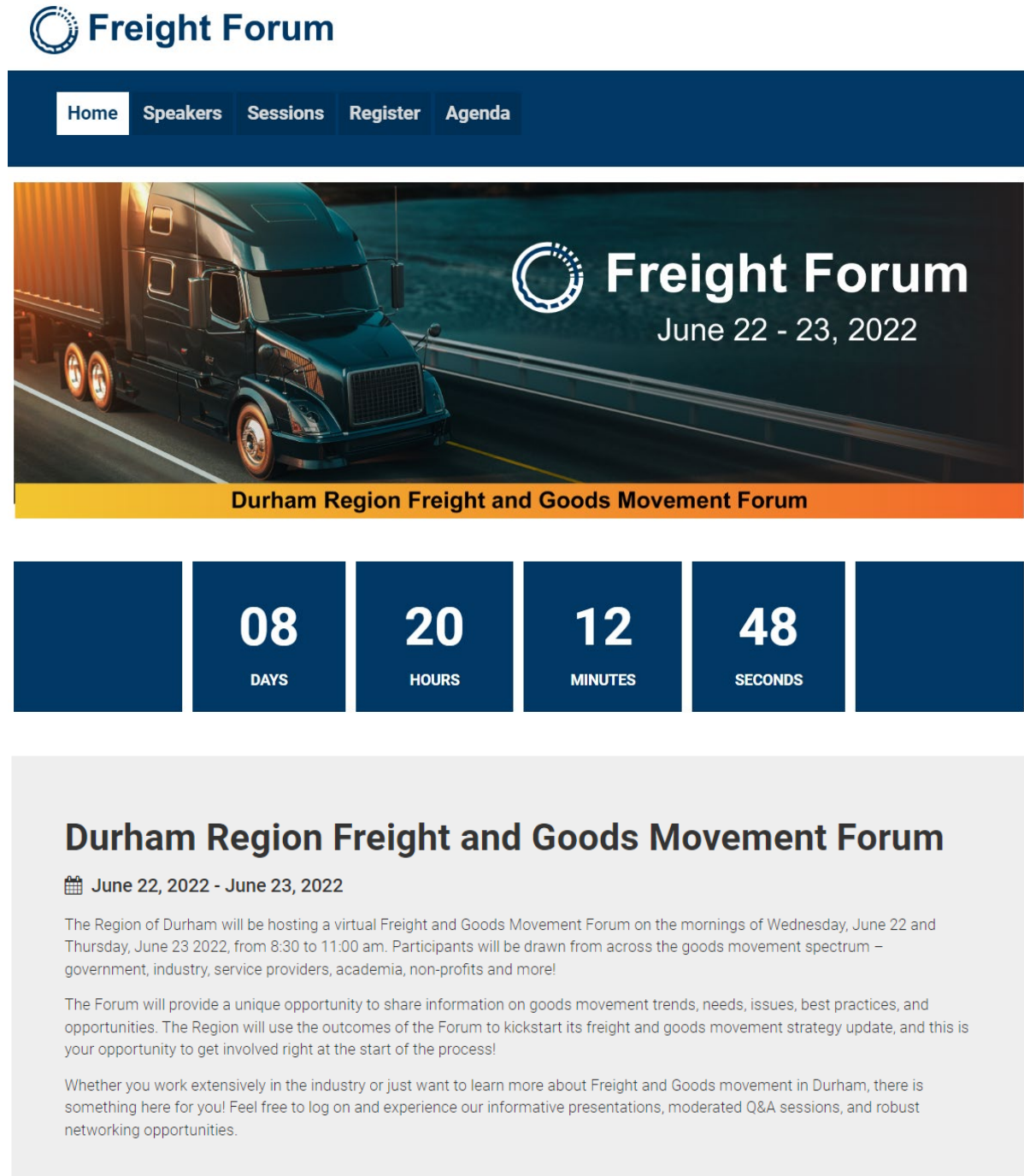
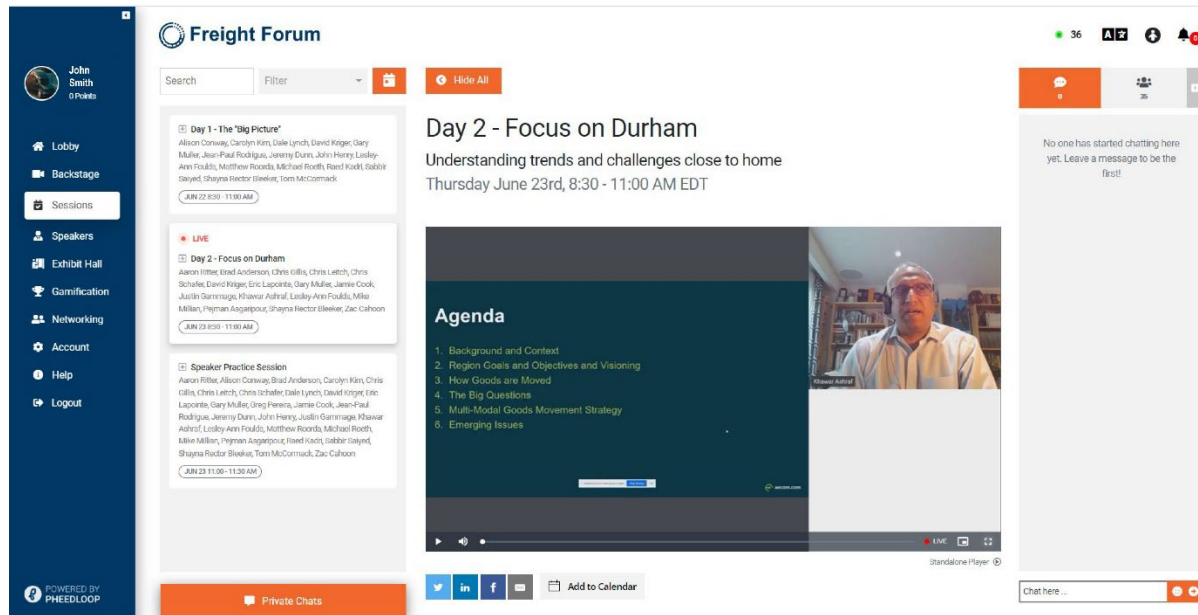


Exhibit 2.3: Virtual event portal screenshot



Forum invitations and communications

The forum planning team contacted potential speakers and moderators directly to invite them to participate in the forum and provided information about the intended objectives of each session. Speakers and moderators were also provided training sessions on the virtual forum platform in advance of the forum to help forum operations run smoothly.

Invitations to participate in the forum were sent to 167 potential participants via the PheedLoop platform. These invitees were encouraged to forward the information to colleagues who would be interested in improving freight and goods movement in Durham Region and area. Reminders about the forum were also sent via the PheedLoop platform.

Durham Region’s Economic Development staff also shared information about the forum with industry contacts.

Durham Region provided information about the forum on social media: Twitter, Facebook and LinkedIn, beginning on June 14. A total of 8,278 impressions were made through these communications. Additional detail is included in Appendix A.

2.2 Forum participation

A total of 28 speakers and moderators participated in forum presentations and panel discussions. Information about each of the speakers is included in Appendix B.

A total of 71 participants on one or both days attended the forum: 60 on Day 1 and 46 on Day 2. A listing of forum participants is included as Appendix C.



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Themes and Takeaways

3. Themes and takeaways

This section summarizes the main themes and take-aways from each forum session.

3.1 Day 1: the “big picture”

1. Welcome

Durham Region’s Chair and Chief Executive Officer, John Henry, provided welcoming comments, noting the importance of freight and goods movement to Durham Region and underscored the value of the forum.

Key points in the welcoming address included the following:

- Durham Region is pleased to have so many people join the forum and to have a range of speakers on the topic of freight and goods movement, which is important to Durham Region and across the nation and affects all of us.
- The forum is an important first step in the Region’s initiative to update its Freight and Goods Movement Strategy.
- Canada has an incredible amount of investment in goods movement infrastructure and transports an incredible amount of goods. For example, the Greater Golden Horseshoe, which is a significant hub for goods movement, sees \$1.16 trillion in goods transported annually on highways alone.
- We need to look to the future and expand choices on how and when people and goods travel to make the most of existing and new critical infrastructure.
- Providing effective, continuous and connected goods movement is integral to economic competitiveness and growth across industries.
- The forum will provide the key insights on the current climate of freight and goods movement, a flavour of shared problems we face, and the opportunity to exchange best practices.
- Working together is an integral part of how we shape efficient, integrated and sustainable goods movement across the Region.

2. Introductory keynote address

The keynote address provided an optimistic introduction to the drivers of goods movement, specifically advanced mobility and its implications for auto manufacturing and for freight. The address was delivered by Raed Kadri, Head of the Ontario Vehicle Innovation Network, Ontario Centre of Innovation.

Key points in the address include the following:

- The Ontario Vehicle Innovation Network (OVIN) is a Government of Ontario initiative to build on Ontario's position as a leader in automotive manufacturing and supply, as well as in communication and technology. It aims to position Ontario to capture the economic opportunities of advanced automotive and smart mobility, and to lead the world in this mobility transformation. OVIN provides a competitive advantage to Ontario-based companies through a research and development fund, talent development, technology acceleration, business and technical supports, and demonstration grounds. OVIN has been successful in helping Ontario have a lead role in North American transformative transportation infrastructure systems technology.
- Vehicle manufacturing has seen historic levels of investments in Ontario and Canada over the past 18 months. Notable examples include GM Canada investing more than \$2 billion in Canada to transform their manufacturing facilities in Ingersoll (Canada's first full-scale electric vehicle manufacturing plant) and Oshawa (which has recently re-opened to be the only GM plant to produce both heavy-duty and light-duty pick-up trucks, and will create a total of 2,600 jobs after expanding to a third shift).
- Automotive sector investment to support development and manufacturing of electric vehicles (EVs) includes \$14 billion over the last few months in southwestern Ontario industry, including enhancements to Ford's Oakville assembly plant for EV production, Stellantis' investments including creating Canada's first (Tesla) Gigafactory in Windsor, GM investment to produce all-electric delivery vans, and Magna's partnership with LG electronics to produce key components for EVs.
- Ontario's Ivy charging network represents the largest public highway fast-charging network in the province and is a result of the Ontario Government working with Ontario Power Generation and Ivy. It includes 69 chargers across 23 ONroute stations.
- Ontario's automotive sector contributes 2.4% to the province's gross domestic product. Ontario currently ranks second among top-producing auto manufacturing jurisdictions in North America and produces approximately 2 million vehicles per year. It is supported by approximately 700 auto parts suppliers and 500 tool and die makers. Ontario's auto industry supports over 100,000 direct jobs as well as thousands of spin-off jobs.
- Ontario is also North America's second-leading information technology region.
- Challenges to auto manufacturing include having a sufficient talent pool to support the industry. The automotive industry is seeing a significant transformation due to ongoing technological advancements that require labour skills upgrades. The skills required by the next generation of auto manufacturing workers will be very different from those of current workers. OVIN has launched a talent strategy roadmap to provide the skills, knowledge, and training needed to support the sector's development and to reinforce Ontario's competitive advantage.

- Ontario's multimodal freight transportation networks are major economic drivers. Rail (CN, CP and several shortline railways, etc.) contribute approximately \$1.9 billion to Ontario's economy annually. International marine sector in the Great Lakes contributes \$188 million annually. Ontario has a high reliance on its road network and road trade. The Ontario government's total transportation investment is \$5 billion annually, with \$2 billion going to the Provincial highway network.
- Ontario is streamlining trade with Michigan. Two joint studies are being conducted with the government of Michigan: one on a drone corridor, and one on technology to support multimodal movement of people and goods.
- The Durham Region Technology Development Site (RTDS) helps connects entrepreneurs, innovators, post-secondary institutions, investors, and others.
- The sector is looking at all modes and looking at how to transition to the vehicle of the future, and some automakers have a micro-mobility division.

3. The fundamentals

This session described the larger Canadian and global context including demographic, economic and infrastructural trends, highlighting the factors that are having the greatest impact on freight and goods movement. The session had two presentations:

- **3.1 Demographic and economic trends**
- **3.2 Profile of multi-modal freight infrastructure and supply chains**

Key themes and take-aways are noted below.

Employment growth of 250,000 new jobs each year through 2041 is anticipated in Canada, but has labour force challenges. Canada's aging population is a challenge to filling this labour market, e.g. 200,000 Baby Boomers are retiring each year. To reach this potential, Canada needs 400,00 to 600,000 immigrants per year.

Canada is expected to grow by 10.7 million people by 2041, many of whom would come from abroad. The younger immigrants will be needed to help offset the aging of current Canadians and will help fill labour force needs. This population growth also means 5 million more dwellings, 5 million more of each type of household appliance, etc., all of which involve goods movement. Growth will be concentrated in the largest Census Metropolitan Areas, especially their suburbs.

Employment growth will vary by sector. Most employment growth will be in the services sector. Goods are expecting be produced with increasing productivity and therefore a lower rate of job growth. A growth in almost half a million transportation and warehousing jobs is expected. The work-at-home share will grow, but most people do not work in offices. Both online shopping and on-site shopping with growth, though online is expected to grow faster.

Domestic growth will drive our future economic growth Trade in goods will remain important but will no longer drive overall growth. US-Canada trade fueled growth in the 1990s after Canada-US free trade agreements were implemented. Recent growth in wholesale and retail goods distribution has been remarkable: 189,000 local distribution employment in 2001, 215,000 by 2015 and 318,000 by 2021.

We are in a challenging/reassessment phase of the current economic cycle. Pandemic impacts have fueled a supply-chain crisis involving first initial hoarding, then demand fluctuations, inventory challenges, a major bullwhip effect, and inflation/stagflation, leading us on the path to a recession. Supply chains are being re-assessed, with re-shoring of manufacturing as an option (especially in the USA).

The Global Supply Chain Pressure Index (GSCPI) has been increasing at unprecedented levels since 2020. The GSCPI measures global supply chain conditions. The increase in supply chain pressures is fueled by recent anthropogenic events, the latest being the war in Ukraine.

North American intermodal supply chains are entangled. North American imports are very different from to exports (often natural resources), which leads to a high demand for returning empty containers (and shortages in North America). Marine port container traffic is increasing sharply at a few selected ports leading to congestion (Montreal is not among these). Other challenges include labour force issues, though increasing automation at marine ports, distribution centres, etc. will reduce demand for labour.

Other freight modes are also facing pressures. Air cargo is pressured by growth in e-commerce. CN and CP are facing deferred demand due to recent lockdowns. CP has acquired Kansas City Southern, which connects to Mexico and to Gulf of Mexico ports - this will redistribute rail flows in North America (a tri-coastal strategy).

The velocity of freight remains fundamental. This requires accessibility to major commercial gateways; regional markets and infrastructure; land for logistics; and coordination (e.g. zoning, labour).

Amazon has been very active establishing a hierarchy of distribution centres. It has been expanding warehousing space very rapidly, strategically placing warehouses with consideration to an 800-km daily truck-trip threshold for distribution. The Toronto/Durham area is well positioned to be an important hub of Amazon's network.

Logistics labour faces challenges. These include lack of attractiveness of logistics to students. Academia does not prepare people well for the industry, e.g. a management role is expected from the outset. Trade schools could have more of a role. There is a lot of competition for a limited pool of talent – for example, maritime ports and shipping lines need information technology (IT) specialists, but IT specialists prefer to work for a bank or other institution they are more familiar with than for a port or shipping line. One presenter noted that the Canadian government's recent stance against the recent truckers' protest, in spite of the pandemic

highlighting the value of truckers, also does not bode well for logistics labour. Canada also needs to continue to attract talented workers from other countries.

Land for logistics is a challenge. This is a complicated issue because placement of logistics facilities is driven by local market trends as well as macro-economics. What you gain in real estate for logistics you lose in real estate for retail. Retail assets can sometimes be converted for logistics. The future needs will also be concentrated in the Census Metropolitan Areas where population growth will occur.

4. Trends and disruptors

The goal of this session was to help participants understand the national / global trends and disruptors that shape goods movement, as a prelude to identifying challenges and opportunities. The session had three sub-sessions:

- 4.1 How freight and goods movement work: challenges and opportunities
- 4.2 Focus on the environment
- 4.3 New and emerging technologies and their impact on freight

4.1 How freight and goods movement work: challenges and opportunities

This sub-session had two presentations:

- 4.1.1 Trends in freight and logistics
- 4.1.2 First and last kilometre

Key themes and take-aways are noted below.

The covid-19 response has had a lasting impact on supply chains. Global worker shortages have led to delays and cost increases. Semi-conductor shortages have led to challenges in procuring products. There has been a lot of volatility in the demand for certain consumer products. There has been a dramatic rise in e-commerce and home delivery (which will remain strong beyond pandemic recovery, even as people return to in-person shopping). Ontario passed the Main Street Recovery Act 2021, removing power of municipalities to enforce noise bylaws to facilitate certain types of deliveries at night.

Supply chain disruptions are changing how companies operate. The USA especially is seeing some re-shoring of manufacturing, and some companies are changing from “just-in-time” to “just-in-case” delivery if they are able.

The dramatic rise in e-commerce has implications on local traffic. This includes not just Amazon but smaller retailers too. A greater number of smaller delivery vehicles is less efficient than a single drop-off by a larger vehicle at a retail location. An environmental justice concern is that all people experience the emissions and safety impacts of home delivery vehicles, not just the goods recipients – though some delivery trips are replacing shopping trips by car to the retail location.

There are changes in consumer demands. Consumers have next-day or same-day delivery expectations. There are also “reverse logistics” challenges when shoppers need to return goods delivered to their homes.

Rising e-commerce has implications on land use. Massive distribution centres are built outside population centres. There is starting to be an emphasis on micro-hubs in urban centres (e.g. parcel lockers, mini-warehouses for cargo tricycles).

Transformative technologies are having an impact. These include automation, e.g. drone corridors, sidewalk robots and automated vehicles. (Automated vehicles will likely always need a driver in the truck for certain tasks.) Digitalization of supply chains, blockchain, data analytics and tracking of fleets also have potential for increasing productivity. Crowdshipping (e.g. commuters delivering goods to their neighbourhoods) is challenging but growing.

There is an increased attention to sustainability. This is due to government mandates but also corporate sustainability objectives and consumer demand.

Freight supports basic economic activities in communities. This includes large-scale manufacturing, but also local delivery of basic goods (including food and medicine), supporting construction and waste removal. However, there are many freight-community interactions to manage: space consumption (on-street and off-street parking), safety risks, emissions and noise.

Freight has unique on-street parking needs. This includes longer commercial vehicle dimensions (including the dimensions of a dropped rear lift-gate to unload goods), and the need for curb cuts and access (e.g. bike lanes sometimes must be crossed). Curb management includes specifying the vehicle type, duration and pricing (e.g. allowing 2-hour parking for commercial vehicles 7 a.m. to 1 p.m., 1-hour parking for all autos after 1 p.m. can sometimes work), noting that timing/duration needs are different for traditional vs. e-commerce deliveries. Enforcement is important but is of limited use when no legal alternatives exist to make a required delivery.

Off-street loading areas can help but need to be well managed. Ensure sufficient geometry for vehicles. Strict timing of loading can result in vehicles idling while they wait to deliver. Conflicts can also result where trucks need to cross sidewalks.

Steps can be taken to help manage truck-pedestrian safety risks. Safety risks stem from a size differential, blind spots, mismatch of road geometry needs, and infrastructure obstructions. Vehicle safety measures include installing side guards, mirrors, on-board sensors, and increasing direct vision (onus on manufacturer). The City of London, UK, has good vehicle safety policy examples. Pilot studies in London and elsewhere in Europe are a good way to test new solutions and try out new policies. Remember that solutions are context-specific: Europe’s regulatory structures are different than in North America – local government in the latter tends to have less power, e.g. in Scandinavian countries it is possible to mandate the use of consolidation centres in the cities.

Consider other mitigations to reduce truck-community interactions. These include time shifts (i.e. delivering in off-peak hours, noting that the receiver needs to

be able to accept goods in the off-peak as well), mode shifts (to smaller, cleaner vehicles within communities) and consolidation (e.g. formal delivery lockers or informally where the truck parked at street-side distributes goods).

How do we manage noise concerns during off-peak deliveries in residential areas? The University of Toronto's recent noise surveys in the vicinity of night-time deliveries found that night-time deliveries are a smaller source of noise than other sources, though still a concern. In New York State, the impacts of low-noise technologies and delivery equipment are being explored (though not yet widely implemented), e.g. quieter ramps and lift gate and use of hand carts. Electric trucks are also quieter than conventional ones.

Partnerships between industry and government are critical. Government and industry need to dialogue as they do not typically understand each other's challenges. Industry sometimes want to try things but cannot due to regulation, which takes time to change while citizens require convincing. Careful collaboration and patience on both sides is needed, starting with willingness on the public side to try new ways to make things work better. Precedents of ongoing dialogue between government and industry include Paris Freight Charter and the City of London's Freight Quality partnerships.



4.2 Focus on the environment

This sub-session had two presentations, both on the topic of “**Sustainability and decarbonization technologies and practices**”.

Key themes and take-aways are noted below.

There is a climate imperative to flatten Canada’s carbon curve. The Canadian Federal Government has committed to reducing GHG emissions by 40 to 45% below 2005 levels by 2031 and net-zero by 2050. Reductions need to start today.

A robust decarbonization pathway is needed. Not all pathways to net-zero are equal. Canada has developed an Emission Reduction Plan (spring 2022), including accountability checkpoints, toward meeting 2030 and 2050 emissions targets.

Canada’s 2030 Emission Reduction Plan has Medium and Heavy-Duty Vehicle (MHDV) decarbonization commitments. Canada’s transportation sector accounts for 25% of emissions. Heavy-duty vehicle (HDV) emissions increased 50% since 2005. Light-duty vehicle (LDV) emissions have increased less quickly. The Plan projects HDV emissions holding steady to 2040 while LDV emissions are substantially reduced. The MHDV decarbonization commitments are ambitious: having 35% of MHDV sales be zero-emission-vehicles (ZEV) by 2030 and 100% by 2040, stringent HDV standards post-2025, increasing the adoption of fuel-efficient technologies, and increasing the use of low-carbon fuels.

Municipalities can take a proactive approach to accelerate zero-emission MHDVs. First, they can make a strategic plan and regulations. Second, they can provide incentives for deployment. Third, they can invest in charging/refuelling infrastructure and related systems. Fourth, they can provide labour market programs and provide skills training to support the changing technology. There is a significant opportunity for fully electrified fleets in the Greater Toronto and Hamilton Area (GTHA). Municipalities can work with other levels of government and stakeholder on regional transportation plans, economic strategies and investment planning; updating municipal policies and bylaws (e.g. parking and loading); participating in regional coordination and knowledge building; and exploring new public financial mechanisms.

Pembina has established an Urban Delivery Solutions Initiative. This a network of businesses and organizations working to driving down emissions in transportation.

“Run on Less Electric” offers many real-world lessons regarding electric trucks. This real-world demonstration followed thirteen real battery-electric trucks (in BC, Montreal and US) already hauling freight for a month in 2021. (Videos for each case study and “Stories from the Road” as well as other information are available at www.NACFE.org and www.RunOnLess.com.) An unexpected finding from the case studies was the high degree to which the electric vehicle drivers enjoyed and were pleased to drive the electric vehicles (this will help with driver retention). Other findings were that there was really good performance relating to maintenance (though some maintenance was still needed) and that temperature is significant: with

40 F (22° C) drop in temperature, there is a 40% reduction in range that fleets need to plan for.

Electrification is currently most viable for short/medium-distance, simple, small/medium-sized trucks. Yard tractors (which stay on warehouse property or in ports) are smaller trucks that travel at low speeds and have opportunities for quick charges while driver takes a break, currently perform very well and have much potential and benefit for electrification. A bit larger and travelling farther are smaller local delivery vans, and passenger-car chargers can be used with these. The biggest current challenge is road tractors. These can be electrified for vehicles that travel out and back to base on the same day. In short and medium range vehicles that travel no more than 200 miles (320 km) daily before returning to base are most practical as an electric tractor run. Comparing vehicles with a tare weight of 13,500 pounds (6,125 kg), a diesel-powered vehicle could take 17,000 pounds (7,700 kg) of cargo this distance, while an electric powered one would take 22,500 pounds (10,200 kg) of cargo. There is a 3,000 to 4,000-pound weight penalty for carrying a 400 to 500 kWh battery pack. Simple vehicles whose purpose is only to carry loads have the most potential for electrification, while more complex vehicles such as service vehicles (e.g. garbage trucks) currently are less viable.

Significant opportunities to decarbonize larger, long-haul trucks are farther on the horizon. Electric, hydrogen and self-driving trucks are still emerging, as well as engines that run on decarbonized fuels. Hours-of-service limitations allow for 500 to 600 miles (800 to 970 km) before a long-haul driver needs to rest, at which point an electric truck could be recharged. Fuel cell/battery-electric hybrid vehicles can be a niche part of longer-term solution.

There are several impacting factors affecting decarbonization. ACT Research (a market data, industry analysis, and forecasting firm for commercial vehicle and transportation markets) notes that improving the total cost of ownership (TCO) is helpful: electric trucks cost 2 to 2.5 times as much as diesel powered trucks, but as mileage increases the fuel savings start paying off. Other key factors are decreasing battery costs, growing customer demand, and the role of regulatory pressures.

4.3 New and emerging technologies and their impact on freight

This sub-session had two presentations:

- **4.3.1 New technologies in transportation and logistics (specifically at the Hamilton Oshawa Port Authority)**
- **4.3.2 New business models and considerations for logistics providers**

Key themes and take-aways are noted below.

Hamilton and Oshawa Port Authority (HOPA) is a growing integrated port network. HOPA operates ports and lands in Hamilton, Oshawa and Welland Canal and is developing multimodal spaces to support Ontario's industries and facilitate trade. HOPA has 1,000 acres, moves 10 million tonnes or more of cargo annually and has 700 vessel calls per year across its ports.

The Port of Oshawa is a strategic asset for Durham. The port includes 115 acres of land, 225,000 square feet of warehouse space. QSL operates stevedoring, moving 500,000 to 750,000 tonnes of critical commodities each year at the port, including steel products (coils, beams, pipe, rebar, etc.), cement, liquid bulk and petroleum, salt, grains, and fertilizer. Planned investments of \$30 million are planned over the next three years to improve site, making it easier serve multiple ships at once and creating better flow-through.

HOPA notes a number of freight trends from their perspective:

- global supply chain disruption, congestion and related cost spikes; this includes addressing driver shortages and reshoring of manufacturing
- a focus on GHG reduction and lower-carbon-impact logistics solutions
- industry focus on leveraging technology and especially data to add efficiencies, together with vertical integration/partnerships with data sharing

HOPA has several innovative initiatives underway:

- a drone program with customized software for fully autonomous flight including take-off and landing, with the goal of improving service delivery at ports (in partnership with HHLA Sky Germany)
- “Fluid Intelligence” (in partnership with McMaster Institute of Trade and Logistics) – combining different data sources to support goods movement and logistics; current projects include Foundational Study on Cross Border Short Sea Shipping to understand multi-modal trade routes, and a study of supply chains together with Hamilton’s airport area
- Maritime Employers Association Worker Deployment System – working to better deploy Ontario and Quebec’s 1700 workers by leveraging data
- SmartCone Deployment – an artificial-intelligence based system of cameras and other sensors designed to collect data to better understand port flows
- Data Extraction Initiative – working with Mely.AI to develop AI software to extract pdf manifest information seamlessly into a workable file rather than manually
- Liquefied Natural Gas (LNG) Bunkering (2021 pilot project) – HOPA was the only port in the Great Lakes to provide LNG as a fuel source
- Biodiesel from recycled cooking oil, soybean oil, etc. – this reduces lifecycle GHG emissions by up to 80% (Canadian Steamship Lines ran a trial in 2020 and 2021 to run vessels entirely on marine biofuel)
- Support for hydrogen – working with stakeholders to support infrastructure to assist in the transition to hydrogen

Transitioning to zero-emission commercial vehicles requires new business models. There are examples of this transition successfully taking place in recent years. This involves learning by doing at this stage. Powering vehicles electrically is very different from diesel power, where fueling infrastructure is readily available.

There are both motivations and concerns in electric solutions. Motivating interests include regulatory requirements, return on investment, sustainability initiatives and special use. Concerns are significant risks and include driving range anxiety, initial cost (electric vehicles are 2 to 3 times more expensive), charging infrastructure needs and cargo weight limits. Funders struggle to finance because they don't know the market yet (e.g. residual value of the vehicles) – this will change as more electric vehicles get on the road.

There are several steps to electrifying fleets. These include feasibility analysis (understanding), design and financing, procurement and installation, operation and optimization.

There are many considerations before electrifying fleets. These include selecting the right truck for the right job, getting to know your utility, tapping into incentives, finding a customer who shares your vision, finding good partners, and getting started (trucknews.com). Other resources for fleet managers transitioning include ElectricAutonomy.ca, RunOnLess.com and Pembina.org/UDSI.

Many different actors need to work together in electrifying fleets. These include fleet operators, financial institutions, truck makers, energy and infrastructure players and governments, as well as manufacturers, telematics companies and others.

Volvo LIGHTS is an inspiring success example of implementing 23 battery-electric heavy-duty trucks. This is a Los Angeles collaboration example showing how fleet owners, ports, colleges, utilities, etc. can work together.

What can governments do to help make the Blue Economy (sustainable use of marine resources) work? HOPA is working on being a leader in the Great Lakes toward the Blue Economy, e.g. providing better accesses to/from Port of Oshawa and expanding capacity on the land side, and working with other modes such as rail, making use of as federal government investments. Working with the Region of Durham to improve roadway access to the port would be important. It will also be important to work with the Region on its long-term freight plan on the role of the port working with economic development plans.

What can municipalities do to help? Rather than working toward the perfect implementation plan for 2030, we can take advantage of initial opportunities now. Governments can make it easier, for example, when Purolator wanted to start using electric vehicles in Vancouver, the City simply agreed not to ticket these vehicles, which gave Purolator confidence. Reducing business taxes is another way to help.

5. Day 1 wrap-up

The speakers and moderators were thanked for their role in helping to see freight and goods movement through a wider lens. All participants were asked to take part in a poll to provide quick feedback on two questions, which are discussed in Section 4.

3.2 Day 2: Focus on Durham

1. Welcome and recap of Day 1: The “big picture”

Durham Region’s Director of Planning provided welcoming comments that included the following notes about Durham Region’s context and the significance of freight in Durham Region:

- Durham is and will be one of the fastest growing communities in the GGH. Currently it is home to just over 700,000 residents – 90% of whom reside in the south lakeshore communities – and approximately 230,000 jobs. These figures will approximately double by 2051 to 1.3 million residents and 460,000 jobs.
- Just under 10,000 workers are employed in freight and goods movement across the Region.



- Movement of goods in the Region relies on multi-modal infrastructure: provincial highways, deep-sea shipping ports, trans-continental and commuter railway lines, and proximity to local and international airports.
- In terms of land requirements for future employment uses including warehousing and logistics, the Region is planning to provide an additional 1,170 hectares of employment land near 400-series highways. Growth is also anticipated through development of new communities and urban development in existing downtowns.
- The Region's Official Plan review and future Freight and Goods Movement Strategy are examples of initiatives that the Region will look to develop solutions to balance the needs of population and of economic growth.

A summary of what was covered in day 1 was provided as well as a discussion of the results of polling that took place at the end of Day 1 (see section 4). A summary of initial themes and implications for Durham Region was also provided (this is elaborated upon in section 5).

2. Durham today and tomorrow

The goal of this session was to help participants understand the factors that influence freight and goods movement specifically in Durham Region. The session had three presentations:

- **2.1 Demographic and economic trends in Durham Region**
- **2.2 Freight infrastructure and planning in Durham Region**
- **2.3 Freight and goods movement profile for Durham Region**

Key themes and take-aways are noted below.

Durham Region will have an increasing share of employment growth in the GTHA. The Region had a 5% share of 2011-2016 employment growth, but is anticipated to have a 14% share in 2016-2051 employment growth, with annual employment growth rates increasing to 2.1%. Of this anticipated employment growth, 49% will involve population-related (e.g. services) employment, 13% will be major office employment, 37% will take place on employment lands (81,600 employees), and the rural sector will have 1% of growth.

Durham Region has begun to take an increasing share of the GTA's new industrial construction. The GTA industrial market has averaged 819,000 square metres of new industrial construction from 2018 to 2022 (with highest levels in 2020–2022), which is more than double the 2013–2017 average of 404,000 square metres, with historically low vacancy rates in recent years as well. This put more pressure on meeting demand for future growth in places with space like Durham Region. Durham's share of the GTA's existing industrial gross floor area in 2022 was 5%, while its share of industrial gross floor area construction 2020–2022 was 14%.

E-commerce has been a key driver of the retail market in Canada. May 2020 (early pandemic) e-commerce sales were three times as high as in February 2020 (pre-pandemic), and it has growth 3 times as much as 2016 sales. There has been a degree of decline in e-commerce as business re-open after pandemic restrictions.

Durham Region is favourable to logistics development. Local and regional population growth provides access to a large labour force to serve the GTHA, Ontario and eastern Canada; it has access to major multi-modal transportation infrastructure; and there is a diminishing supply of greenfield lands in other municipalities vs. availability of land with competitive pricing in Durham Region.

Durham Region will need to plan for 655 ha of growth in its employment areas through 2051. This represents 20 h of growth annually to accommodate anticipated growth in the goods movement sector.

Freight infrastructure planning in Durham must consider background plans. These include Ontario's *Freight-Supportive Guidelines*, Metrolinx's *2041 Regional Transportation Plan*, Durham's *Regional Official Plan (1993)*, *Transportation Master Plan (TMP, 2017)* and *Envision Durham (2019)*. For example, the TMP vision includes "to achieve economic prosperity and employment growth".

Durham's multi-modal freight plan must address key questions. The plan must note what specific factors will influence freight, why the plan is important, who will benefit, how it be delivered and funded, and what are the environmental impacts. It will require multi-jurisdictional and public/private coordination, noting that freight stakeholders are harder to identify and more challenging to engage. The plan must also consider emerging issues such as infrastructure conditions and capacity, vehicle energy sources, etc. Peel and Hamilton offer examples of encouraging employment growth focused on multi-modal connectivity (i.e. rail, ports and airports).

A high proportion of jobs in Durham in 2019 were very relevant to goods movement. This includes commercial (49%), industrial (13%) and agricultural (6%) sectors. Oshawa had the highest number of jobs at 57,300 (28%), followed by Whitby (43,300 or 21%) and Pickering (34,800 or 17%).

The Region has seen increasing volumes of medium and heavy trucks crossing its regional boundaries. Meanwhile, these vehicles represented 8.8% of vehicles in 2006 and 8.2% in 2016 as light-duty vehicle growth has been faster. Truck traffic grew most across the Toronto-Durham boundary vs. in other directions.

MTO's Commercial Vehicle Survey (2012) provides information about goods movement flows in Durham (via selected highway locations). It notes that the top commodities originating in Durham are gravel and crushed stone; mixed freight; waste and scrap; non-metallic mineral products; and agricultural products. The top commodities destined to Durham are gravel and crushed stone; agricultural products; motorized and other vehicles; natural sands; and mixed freight.

Durham's Strategic Goods Movement Network (SGMN) is an important aspect of the Region's policy and planning. The SGMN was developed as part of the 2003 Durham TMP as a network of preferred haul routes, planned to accommodate

commercial vehicles on a year-round basis and linking major generators of truck traffic. The network is considered as part of capital works programs, subject to budgetary considerations. The SGMN was updated in Durham's 2017 TMP by including adding several new routes and addressing key arterial "feeder route" linkages serving designated employment areas. The updated SGMN was also incorporated into a Regional Official Plan through Amendment 171. Envision Durham is considering a Complete Streets approach for arterial roads, goods movement is an important consideration.

Durham Region is working to reduce the number of routes with road weight restrictions on the SGMN. Among Regional Roads on Durham's SGMN (245 km total), 70.9% are constructed to a full load standard, and 29.1% are subjected to seasonal weight restrictions; the Region builds portions of these through its road rehabilitation program to a full load standard when and as possible. SGMN roads not under the Region's jurisdiction include Ravenshoe Road along York Region's boundary (York Region responsibility and constructed to a full load standard) and portions of Harmony Road, Boundary Road and Ravenshoe Road under local municipal jurisdiction and not constructed to a full load standard.

Durham's SGMN includes routes outside of Highway 401 that are especially significant to goods movement. Highway 401 congestion spills over onto parallel arterials especially Bayly/Victoria/Bloor Street (especially Bayly) and Regional Highway 2 (not in the SGMN). The north-south Provincial Highways 7/12 and 12 is also key. Routes near aggregate pits carry gravel trucks along with other trucks. Boundary Road (Regional Road 20) on Kawartha Lakes boundary are significant. Truck traffic affects rural hamlets – Durham has a hamlet truck traffic mitigation guide and has been working to implement it. MTO's planned longer-term extension of Highway 404 will be helpful, as it will alleviate traffic pressure on Highway 48. The first-mile/last-mile areas off of Highway 401 also are challenging in peak-period congestion.

What technologies are you seeing emerge in the goods-generating industries, and what can Durham do to prepare for capitalizing on them? Micro-level technologies can use to manage inventories and product flows and provide efficiencies into how goods are stored and retrieved. Industrial building design can be optimized, e.g. higher ceiling heights for better use of vertical space in managing goods, and will likely be seen in industrial development applications.

3. Durham's goods-generating industries

This session provided profiles of five key industrial sectors, highlighting Durham's economic strengths and challenges. The session had five presentations:

- **3.1 Agri-business**
- **3.2 Advanced mobility**
- **3.3 Energy**

- **3.4 Hamilton and Oshawa Port Authority**
- **3.5 Future Technologies and Research**

Key themes and takeaways are noted below.

Agriculture is the top goods-producing industry in Durham, producing a large variety of goods and requiring inputs for which transportation is an essential and major aspect of the industry. Crops grown in the Region include grains and oil seeds, beef, lamb, apples, horticultural crops, sod, nursery trees, eggs, milk, chicken and more. Almost all are transported outside of the Region to be processed, aggregated and sold. Grains and oil seeds are transported to local elevators and to the Port of Oshawa as well as to external ports such as Hamilton, Johnstown and Prescott to go to other countries or around Ontario. Local livestock is transported to external abattoirs or slaughterhouses (there are some small ones within the Region). Apples go to Algoma Orchards, the Ontario Food Terminal (west Toronto) and/or retailers. Horticultural crops go to the Ontario Food Terminal or other local markets. The industry also requires lots of inputs to be transported to the farmers, suppliers or retailers; these inputs include fertilizer, seed, and livestock vitamins and minerals. These products are typically not produced in the Region and must be brought in from external sources. Most products grown in Durham are globally traded on the commodity market except for supply-managed products, which are sold domestically.

Agricultural products are produced in north Durham, but north-south transport of goods is challenging. Durham has many options for east-west transportation routes, but north-south routes are more limited. Driving with slow-moving agricultural equipment on Lakeridge Road, Highway 12 or Simcoe Street can be dangerous, especially with growing traffic. Drivers do not have the education or patience to travel well with large farm vehicles.

There is a need for increased public education or awareness about today's farm equipment. This would include understanding the size and speed of equipment. Twenty years ago, tractors could go no faster than about 30 km/h. Now they can travel up to about 60 to 65 km/h. Equipment can be hard to maneuver, but some newer equipment also now has air brakes and easier maneuverability.

Road geometry is often not suitable for agricultural equipment. Farm equipment needs wide shoulders and intersections that can accommodate wide equipment, and islands in the middle of roads are not suitable for agricultural equipment. (An intersection on Simcoe Street in Port Perry has an island that often gets cleaned out because of agricultural equipment going through it.) Soft curbs can be maneuvered by agricultural equipment but not hard curbs, as soft curbs allow equipment to use the side of the road to allow more space for traffic flow.

Agriculture needs improved access to and storage facilities at the Port of Oshawa. The port is a great asset for agriculture, given import and export opportunities, but it can grow to be an immense asset that is more efficient at grain shipping and receiving with some improvements and upgrades. The port needs

enough storage capacity to fill a boat. Currently some truck operators refuse to go to the port because of hours-long waits for port access during a boat-loading window.

Exemptions are needed for agricultural vehicles with seasonal road restrictions travelling to and from farms on those roads. Farm vehicles are overweight and get ticketed, though getting timely inputs to farms is essential, even/especially in the spring planting season, milk still needs to be moved from the farms, fuel still needs to be delivered, and feed is still needed.

There is a much-needed incentive to have more processing or end-use manufacturing of agricultural goods within the Region. This would reduce the transport of farm goods to outside of the Region only to be brought back to the Region in processed form.

Micro-mobility could be part of the first/last kilometre solution for small goods and parcels. Infrastructure for bike lanes has increased greatly in the last 20 to 25 years to help support more eco-friendly personal and small-goods travel. Micro-mobility has played a small role in fostering this new “ecosystem”. Provincial pilots are currently underway for e-scooter, and also for e-cargo bike in Ontario, potentially leading to a more permanent regulatory state for the deployment of these modes. Additional separated infrastructure is also desired for non-vehicle modes for safer travel not only for vulnerable road users but for also for vehicle drivers in auto lanes.

The Small Modular Reactor (SMR) is an incredible energy and economic development opportunity being developed by Ontario Power Generation (OPG) at Darlington. SMR is smaller than a traditional nuclear reactor in output and footprint. It could be used at a community scale (less than 1 MW) or up to a utility scale (about 300 MW) and can be shipped in modularized components for use in remote areas, mining, etc. It uses a fission process like a traditional reactor with slight enriched uranium. It is an emission-free technology with enhanced safety features and its clean, reliable and inexpensive energy will contribute to Durham’s climate change action plans – and it can power lithium batteries, large manufacturing centres, etc. OPG is sponsoring a training program at Durham College to equip workers. Employment opportunities include 700 jobs during project development, 1,600 during construction, 200 during operation and 160 during decommission. Preparation work is underway, and construction is anticipated to begin in 2025 and the SMR operational as early as 2029.

The Port of Oshawa handles high volumes of goods and is working to mitigate land access challenges. QSL is the stevedoring company that helps the port handle 227,000 metric tonnes of bulk products (e.g. grain), 198,000 tonnes of imported steel products, and 1,149 feet of breakbulk (e.g. extra-large transformers, machinery, etc.) annually. This translates to 16,000 truck loads per year. Because the trucks have to be timed with port activities, queuing of trucks results on roadways (e.g. along Bayly Street as far as Highway 401); trucks may need to wait 4 to 5 hours to access the port. Steel importers typically use the port for storage, where the end users pick up materials from the port. Service plans to increase efficiency include using a self-serve system, barcoding, using and respecting a truck appointment system, and automating the processing of documentation.

Improving access and storage at the Port of Oshawa would allow the local agriculture industry to take better advantage of the port's strategic location.

Last year 40,000 tonnes of grain were moved via the port, and this could increase to 150,000 annually with better infrastructure. Grain storage at the port is 10,000 tonnes, but a vessel can take 25,000 tonnes, to be loaded in a two-day window. Currently farmers may opt to take goods instead to go a more distant but more accessible port. Many government entities are involved at the Port (HOPA, the Federal Government, Transport Canada, the City of Oshawa for road access) and all need to work together to improve port access and reduce bottlenecks.

Technologies for electric vehicle goods transportation and mobility are advancing in Durham Region. In the last 5 to 10 years there have been advancements in how much power can be stored in an electric vehicle battery, i.e. increasing energy density. It is also essential to have charging technologies at a state of development that is suitable for consumers, and fast charging needs high charging capacity. Large electric trucks vehicles need one megawatt-hour of storage (in comparison a Tesla model 3 stores 83 kilowatt-hours of battery power) to be practical. Their batteries would need to charge quickly – with implications on the energy grid and distribution! Ontario Tech University is working to help develop ultrafast charging.

Autonomous aspects of goods movement are in use in controlled environments. Rotterdam, one of the largest ports in the world, is largely autonomous. Major distribution centres (e.g. FedEx, Amazon) have levels of autonomy in warehouses. The Oshawa GM plant has adopted automated ground vehicles for operations within the plant, one of the first in the world to do. Challenges for autonomous goods movement include moving from controlled environment to the road, especially dealing with weather – there is much work to do to advance this, and Ontario Tech University is also working on this aspect.

Steps are being taken to improve energy reliability and resiliency, e.g. to power electric vehicles. OPG is heavily involved in the installation of EV chargers. The SMR installation is working to expedite meeting regulatory requirements. OPG owns a fleet of hydro-electric stations that it is working to upgrade, and is also Darlington refurbishment is underway. Ontario Tech University is working with local utilities and distribution networks toward improving “climatic resiliency” of equipment, (e.g. against freezing rain and strong winds), and also using technology to assess where risks may be (e.g. where trees may fall on equipment in a storm).

4. Summary and take-aways

This session works to summarize the forum findings from two viewpoints:

- **4.1 Academic viewpoint**
- **4.2 Industry viewpoint**

Key themes and takeaways are noted below.

The forum has identified needs for academic institutions to follow up on.

Students at Ontario Tech University (OTU) are engaged in experiential learning opportunities that are relevant to the needs of the community, e.g. addressing needs of the agricultural sector, OPG, the Port. These discussions have prompted additional areas to explore.

Technology could help provide a range of solutions. EV charging and AV capabilities for goods movement are just the tip of the iceberg. Technology could help the agricultural industry, for example traffic signals could be adjusted to detect an agricultural vehicle or transport truck coming approaching the intersection and the signal adjusted to help the vehicle cross the intersection faster and more safely. OTU is currently working on developing technologies to make tasks easier for operators, e.g. lane departure warnings and different assistive technologies, adaptive braking, etc. toward making the driving experience better. The driver needs to be at the centre of the design of these technologies.

The societal/individual acceptance of new technologies is also important.

Cyber security is an important aspect of making software-based technologies acceptable. People need to be comfortable with new technologies and be convinced of the benefits of new technologies before they adopt them. An example is that some newer cars have lane-departure warnings of shaking the seat – that may not be as effective after the driver uses the vehicle for several months. An example involving micro-mobility solutions to reduce vehicle congestion: E-bikes can have a “no-sweat mode” so you don’t have to shower once you arrive at work.

The biggest current challenge to trucking is labour shortages. There is only a 4.2% unemployment rate in the trucking industry; long-term positions are hard to fill. The average age of drivers is 51, with the average age going up. There is a current shortage of 22,000 truck drivers in Canada, estimated to increase to 55,000 by the end of 2023 as drivers retire (source: Trucking HR Canada study).

There is also difficulty obtaining enough goods movement equipment. More vehicles are needed to meet e-commerce demand and changing consumer needs due to supply chain issues. There is an 11-month backlog for new equipment, sometimes 18 months according to some fleets.

Rising costs are a major challenge: fuel, insurance, equipment, etc. Fuel costs have increased 50% since December 2021. There have been some price reductions recently, though the recent drop in diesel costs has been less than that for gasoline. Used truck prices have gone up 66% since last year, as the demand has spiked because it is hard to get new trucks.

There is an infrastructure deficit to address. Roads or road lanes need to be added, port infrastructure is not ready for increases in demand, etc.

Cross border delays and issues continue. Free and Secure Trade (FAST) system, which facilitates cross-border freight flows, was paused for two years. There is an ongoing Federal requirement for covid-19 vaccinations for cross-border drivers.

Durham Region has major benefits to leverages. It is a prime location for manufacturers accessing the GGH as well as the eastern parts of the country. The Region also has the land to build facilities (that can be built with charging infrastructure or other technologies in mind). It also has a strong population base for access to talent.

It is important to improve travel times. Highway 401 can be very congested and slow. Tolls on 407ETR and other toll highways in Durham are too high for trucking industry. More-affordable tolls would benefit the industry, and there is capacity on the under-utilized toll facilities. The Region could also work to enable more off-hours deliveries.

Government and industry must work together to attract talent. The goods movement industry is generally not perceived as offering a desirable career, but that is changing. Funding for training can be hard to get. Grants/subsidies such as grants in EI programs are being used to get people trained in industry and retain them.

There needs to be a recognition that driving a truck is not unskilled work, even with emerging vehicle automation. People will wonder why get into goods movement as a career when they are told that autonomous vehicles will just take over and replace drivers soon. We will not see trucks going down the road without drivers on a large scale anytime soon. The best and safest truck needs to be coupled with the best and safest driver. We need to get away from calling the technologies “autonomous” vehicles and call them “driver-assist” vehicles, because that more precisely describes how the technology will be used.

5. Closing keynote address

The closing keynote summarized steps that a major company is taking toward more-sustainable goods movement, particularly in fleet electrification. The address was given by Aaron Ritter, Director of Transportation of Walmart Canada Corp.

Key points from the address included the following:

- Walmart Canada and Walmart International have launched a number of recent initiatives to improve and lead the way in sustainability. Their goals include building a best-in-class supply chain, finding new and innovative ways to reduce carbon footprint, continuing to put sustainability at the forefront of operations, and focusing on safety and delivering value to customers. The three driving metrics are innovation, sustainability and safety.
- Key components of Walmart’s journey to transportation sustainability include Class 8 tractor electrification; yard shunt electrification (coming to British Columbia in the next few months then expanding more broadly across the country); reducing idling times; improving reefer (refrigerated trailer) efficiency; expanding long combination vehicle use (still underutilized in Canada, and key corridors are Calgary to Edmonton and Mississauga to Cornwall); introducing 60-foot trailers, which can carry 20 to 22% more cargo than a standard 53-foot

trailer (working with the province of Alberta to pilot a truck train with a 60-foot trailer together with a 53-foot length trailer); routing optimization (and also sharing off-peak delivery project data with Region of Peel and University of Toronto); and aerodynamic improvements (exploring and testing applicable innovations).

- Walmart's fleet electrification program comes after 5 to 6 years of researching the direction of alternative vehicle fueling. Benefits include safety, sustainability, mitigation of carbon tax impact and avoiding high diesel prices.
- Walmart's Canadian distribution network works for fleet electrification. Calgary, Mississauga and Cornwall are Walmart Canada's main distribution campuses. Walmart recently opened a perishable automated distribution centre in Surrey BC, and another will open in Moncton. A large ambient automated facility near Highway 400 and Teston Road is also being constructed. Over 85% of Walmart Canada's fleet make same-day trips of no more than 450 km per day, almost all with day-cab vehicles. This range falls within electric vehicle charge range even with range degradation during the colder winter months, making electrification a very good fit. Walmart partners with 58 different third-party companies to cover distribution to stores outside of Walmart's typical tighter geography.
- Canada has one of the cleanest energy grids in the world, supported by hydro and nuclear and using less coal than other countries to power electric vehicles.



- Currently Walmart Canada has 130 Tesla semi class 8 tractors on order and is working with other manufacturers of electric trucks. The initial roll-out will take place within 12 months in Canada. The goal is complete electrification by 2028, dependent on supply chain issues, which have been very significant recently.
- Walmart is planning for charging. Surrey, Mississauga and Vaughan are completely outfitted with charging infrastructure. Distribution takes place 24/7 and the infrastructure allows for faster charging rather than overnight charging, which works with Walmart's operations. The electric grid is one of the biggest obstacles that Walmart sees. Walmart is fine for the initial insertion of electric vehicles and for several years. The broader adoption of electric vehicles could face major challenges as far as electricity supply. As Class 6 vehicles (e.g. to support e-commerce) and smaller non-commercial vehicles are more broadly adopted, we will need to work closely with power suppliers to make sure the infrastructure is in place to continue on the vehicle electrification path.
- Walmart is grateful for its fleet drivers who have continued to work throughout the pandemic, which really brought to light who the priority essential workers are.

6. Wrap-up

Key points from the wrap up included the following.

- The Region expressed thanks to the consulting team (IBI Group and DKCI), speakers, panellists and moderators for their contribution to the Durham Freight Forum, and to all who attended the forum virtually, helping make the forum a success and ultimately helping establishing Durham Region a place to live, grow, work and invest.
- The forum has highlighted the importance of diversity of voice, including people with different backgrounds, experiences and skills. The forum reinforces the need to hear from industry, academics, experts and government representatives.
- The forum has advanced the core objectives of improving freight and goods movement. Forum has touched on the fundamentals of what matters most to freight, where manufacturing is headed, the challenges and opportunities of freight logistics, emerging technologies and implications of climate change. No single approach or theme encapsulates the spectrum of goods movement. The forum has helped Durham to have a better understanding of rapid changes in this important sector.
- The forum take-aways will further deepen thinking and stimulate the Region's work as it embarks on updating its freight strategy. This process will look to having the Region be better positioned to address the challenges of today and tomorrow. The Region's success is dependent on developing effective policy and initiatives to keep pace with the constant disruption and transformation of freight and goods movement. It will be important to continue dialogue and build stronger relationships with partners such as the forum's participants.



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What We Heard From Participants

4. What we heard from participants

As well as being able to provide questions and comments during forum session; forum participants were provided opportunities to provide their inputs through two additional interactive activities: a quick poll on the top challenges and opportunities at the end of Day 1, and a post-forum survey on the top issues and actions for the Region to consider.

4.1 Most significant challenges and opportunities

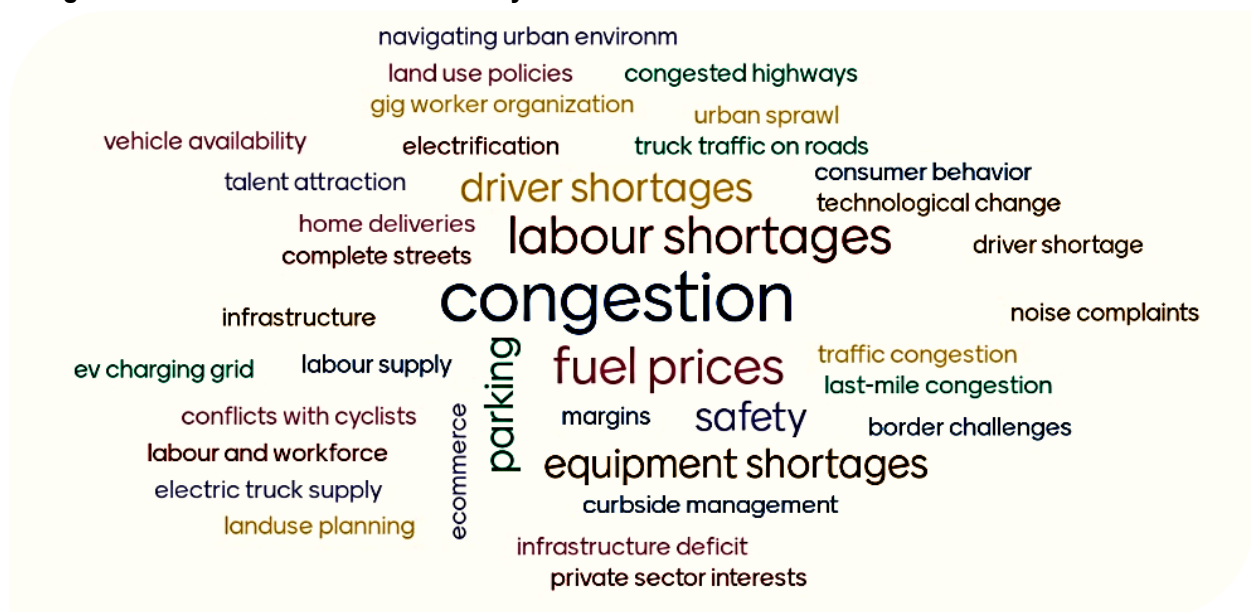
A total of 17 participants answered the following questions at the end of Day 1.

- “What are the most significant CHALLENGES to freight and goods movement over the next five years?”
- “What are the most significant OPPORTUNITIES for freight and goods movement over the next five years?”

The visual polling results for the two questions are shown in summarized in Exhibit 4.1 and Exhibit 4.2, respectively, totalling 61 responses across the two questions.

The top challenges noted were congestion, labour and driver shortages, high fuel prices, equipment supply shortages, safety (including conflicts with cyclists) and parking. Other challenges noted included transitioning to new technologies, land use planning, complete streets and infrastructure, among others.

Exhibit 4.1: Forum participant polling results on the most significant CHALLENGES to freight and goods movement over the next five years



Source: “word cloud” created using mentimeter.com (recoloured)

- Congestion on other roads (3)
- Barriers to transitioning to carbon neutral goods movement practices (3)
- Lack of suitable supply of truck / trailer parking (2)
- Need to accommodate growth in e-commerce delivery traffic (2)
- Insufficient road access to key freight generators (shippers, consignees, terminals, ports, airports, etc.) (1)
- Insufficient truck route network, regulations and load restrictions (1)
- Scarce availability of appropriately sized, zoned and serviced industrial lands in Durham (1)
- Other: agricultural considerations (1)

The following options were not selected:

- Insufficient traffic signal timing / coordination on key truck routes
- Lack of supply of on-/off-street truck/courier loading space

Respondents were also asked to select from a list the top three actions for the Region of Durham to focus on toward improving freight and goods movement in the Region, with the option of adding other responses. The responses were as follows:

- Improve government / industry communication and collaboration (3)
- Improve efficiency of deliveries by encouraging off-hour deliveries, examining truck-only lanes, etc. (3)
- Extend / upgrade truck route network (3)
- Add bike lanes and rework intersections to reduce conflicts with pedestrians and cyclists (3)
- Reduce auto traffic (e.g., encourage drivers to use transit and other modes) (2)
- Promote carbon neutral deliveries (e.g., more cargo bikes and electric delivery vans, optimize truck loading efficiency, etc.) (2)
- Improve / add road accesses to key freight generators (2)
- Ensure supply of serviced/zoned industrial lands near current/planned freight network and terminals (2)
- Review traffic signal timings at key intersections and along key corridors (1)
- Reduce truck traffic by shifting freight to other modes (rail, air and marine) (1)
- Provide public electric vehicle charging network / natural gas fueling network (1)
- Improve access to truck route information and conditions for drivers (1)
- Address high costs of fuel for goods movement (1)
- Add truck parking and rest areas along highways and at gateways to Durham (1)

4.3 Forum assessment

A post-forum survey included questions to provide a general rating of different aspects of the forum event. Participants were asked, “**Please rate the following on a scale of on a scale from 1 -5, with 1 being strongly disagree and 5 being strongly agree.**” Exhibit 4.3 summarizes the frequency of these responses.

Exhibit 4.3: Post-forum survey: forum assessment response frequencies

Statement	1 strongly disagree	2 disagree	3 neither agree nor disagree	4 agree	5 strongly agree
1. The forum topics were of practical interest to me and applicable to my business/ organization or area of operation.			7%	64%	29%
2. The forum experience enhanced my understanding of contemporary freight and goods movement issues.			14%	71%	14%
3. The forum speakers and moderators were informative, relevant and presented information clearly.				71%	29%
4. The networking and exhibit hall features were a valuable addition to the forum.	7%	7%	57%	29%	
5. The forum timing and duration (two consecutive morning sessions) made it easier for me to participate.			36%	36%	29%
6. The forum software platform was attractive and easy to use.	7%		14%	64%	14%

Notes: Results are based on a total of 14 responses. The most frequent responses to each statement are shown in bold font.

In general, the forum topics were seen to be of practical interest, the forum experience helped to enhance participants' understanding of contemporary freight and goods movement issues, and the forum speakers were seen as informative, relevant and presented information clearly.

Almost two thirds of survey participants noted that the two-morning forum timing was helpful for participation.

The forum software platform was generally easy to use (though a small portion of participants had significant difficulty with the site), though the networking and exhibit hall features were generally not seen as particularly valuable addition to the forum.

Responses to the question, "What was the most important take-away for you from the Durham Region Freight and Goods Movement Forum?" are listed below:

- The economic future of Canada and where the country is headed
- Goods movement is a complex subject and is interdependent on how other policies are progressed
- The current state of goods movement in Durham Region and challenges ahead
- The interest of audience in new reactors
- Major growth and change in the logistics industry is in progress
- Technology.
- There is a lot of opportunity in Durham - and a lot of future growth in the goods movement sector. All stakeholders need to work together to balance and support all user needs.
- There seems to be a lot of interest to move to electric vehicles, and this could be a challenge for some industries to adopt due to capital costs.

We can't depend on government to solve the problems.

Finally, participants were asked for any other comments about the forum.

Responses are listed below:

- Timing made it hard to get attendance from the agricultural community. More information on the purpose of the forum and target audience may have helped drive better attendance at the event. It looks like a lot of work went into this, good work!
- I think we could have talked about road pricing. For example, working with the Province to make the 407 discounted for non-single-occupant-vehicle trips and for trucks. This infrastructure is highly underused.
- Great forum and discussion.
- This should be an annual event.



Freight Forum | Summary Report

Durham Region Freight and Goods Movement Forum



Key Actions and Recommendations



5. Key actions and recommendations

This section summarizes key actions and recommendations for both the freight strategy and for potential future forum-style events.

5.1 Advancing Durham's freight strategy

This section highlights seven key actions and recommendations arising from the forum inputs for the Region to consider in updating its freight and goods movement strategy:

- Capitalize on Durham's unique context in shaping goods movement and enabling economic development
- Continue to build a robust, integrated network of reliable multi-modal infrastructure
- Respond to both the opportunities and challenges of commercial vehicle electrification
- Continue the transition to sustainable goods movement
- Build on short-term initiatives
- Enhance the profile of the transportation and logistics sector
- Collaborate

These seven takeaways are detailed below, and reflect specific needs, identified gaps and opportunities.

Capitalize on Durham's unique context in shaping goods movement and enabling economic development

Durham is strategically positioned in several ways:

- it has diverse industrial capabilities and a strong supply of industrial land availability relative to the rest of the Greater Golden Horseshoe (GGH)
- it has a strong agricultural sector
- it is well equipped with multi-modal freight infrastructure (road, rail, marine and potentially air)
- it serves as the GGH's gateway to Eastern Ontario and points beyond
- it is well positioned on the transcontinental freight transportation network.

This context provides the opportunity to build a viable economy whose market / supplier reach can build on its local, regional, national connections and beyond.

The Day 2 session on five goods-generating industries showcased economic growth opportunities in Durham while also underscoring the importance of efficient goods movement to enabling these opportunities. Bringing in the economic development perspective provides a basis for the collaborative implementation of the future goods movement strategy's recommendations.

While employment land development is underway in the Region, particular interest should be given to the opportunity provided by the Region's local agricultural goods production toward establishing related processing and manufacturing facilities within the Region, given the and the current need for these resources to be processed beyond Durham's boundaries at significant transportation expense.

Ways in which the Region and other governments can maintain or enhance supply chain resiliency will also be important, especially anticipating disruptions caused by a changing climate.

Continue to build a robust, integrated network of reliable multi-modal infrastructure

Durham has identified a Strategic Goods Movement Network of provincial, regional and local municipal roads. The forum identified some considerations for this network as the Region continually reviews, improves and adapts this network.

Durham's freight strategy must consider not just what happens within Durham but also connectivity and flows beyond Durham.

Assess the road network as an integrated system. As far as goods movement is concerned, the road/highway system functions as an integrated system and challenges and opportunities should be examined as such, regardless of jurisdiction. For example, congestion on Highway 401, a key trade corridor, spills over to parallel Regional roads. Truckers and industry noted that tolls are a disincentive to increased use of Highway 407.

Opportunities to smooth inter-modal connectivity are important. For example, addressing storage limitations and reducing traffic bottlenecks at the Port of Oshawa could provide agri-business an alternative to moving commodities by truck or to transporting agricultural goods to more distant ports.

North-south rural road capacity is a key need for the Region's agricultural industry. The lack of rural north-south road capacity, relative to east-west road capacity, was cited as an impediment to agri-business. The strategy should investigate this claim in terms of traffic flow, operations and safety but also in terms of connectivity. Inherent to this discussion is the need to manage the movement of aggregates and landfill along rural roads, which also influences the Region's SGMN. Also inherent, as reliable broadband/Wi-Fi becomes more widespread across Durham, opportunities exist for people to live and work in rural communities: in turn, to access markets and suppliers elsewhere in the Region and beyond, these diffuse

low-volume generators of goods will require different ways to ship and receive products cost-efficiently and sustainably.

Consider opportunities to broaden rail use. Rail and air were not a focus of forum discussions. Nonetheless, the Region is well served by the continental Class I rail network (CN and CP). The strategy could consider opportunities to broaden rail use by local industries, especially as key industries like General Motors transition to new uses. The potential Pickering Airport provides an opportunity to serve as a major GGH (or even national) cargo hub: the strategy could lay the groundwork to start planning for groundside transportation and logistics industries and accesses as the timing for the airport becomes clearer (e.g., by identifying first what a cargo hub would look like).

Respond to both the opportunities and challenges of commercial vehicle electrification

Vehicle electrification is an exciting opportunity toward transitioning toward cleaner energy use and reduced emissions, and increased driver enjoyment in operating the vehicles as noted in real-world experience. However, there remain considerable challenges. A customized approach is needed to expanding vehicle electrification, tailored to different industries and goods movement markets, rather than a one-size-fits-all approach.

The real-world commercial vehicle electrification examples noted during the forum showed that vehicle electrification is currently viable for vehicle runs no longer than approximately 450 km between battery recharging opportunities. The long-haul goods movement market is well beyond the current viable distance range, given the current energy density of batteries, as well as additional range degradation during very cold weather (which is a current area of research for Ontario Tech University). Electrification is also more viable for vehicles that simply carry goods as opposed to heavy-duty service vehicles.

Electric commercial vehicles are currently 2 to 2.5 times the cost of diesel-powered trucks, which is a major barrier, though the costs can be recovered in reduced fuel costs over time. Manufacturers of electric vehicles are challenged by supply chain issues in meeting demand for those businesses who can afford to buy them.

Other electrification challenges remain, including providing the increase in reliable energy that powering vehicles via the power grid will require, which the Small Modular Reactor being developed at Darlington will help support.

Continue the transition to sustainable goods movement

The goods movement strategy can be expected to identify and assess sustainable goods movement policies and actions and their applicability to Durham Region. There is a need also to consider how to implement these policies and actions. The Forum highlighted some of these potential initiatives, while also recognizing

economic development potentials. This provides an opportunity to develop collaborative policies and actions in the goods movement strategy that support both sustainability *and* economic development aspirations. The strategy could seek to answer a number of questions.

How will any sustainability initiatives identified in the strategy impact the transportation and logistics industry and other goods-generating industries?

What would it take to enable or encourage these industries to implement or adopt these initiatives?

How can sustainability and the climate emergency be factored into investment decisions for new freight infrastructure and services?

In other words, being able to quantify and monetize the costs and benefits will make it easier for potential private-sector (and even public-sector) partners to justify and act on potential sustainability initiatives.

How can sustainability initiatives in goods movement be used to grow Durham's industries?

For example, can Ontario Tech University's technology research be commercialized? How can Durham's existing vehicle manufacturing prowess be leveraged to promote sustainable goods movement?

What needs to happen today to achieve long-term sustainability aspirations?

For example, the closing speaker noted they had researched new technologies for over several years before deciding on an all-electric fleet. Another speaker noted the need to ensure that the charging infrastructure and power supply are in place before businesses start to purchase electric vehicles. What roles do the Region, other governments, academia and non-governmental organizations have in enabling these decisions and processes?

What is needed to incorporate emerging logistics practices and technologies, especially for last-kilometre deliveries?

For example, what complementary measures are needed by governments at all levels to enable and grow e-cargo bike deliveries? The answers could impact network plans for active transportation infrastructure, the design of bike paths, cyclist safety, regulations to allow e-cargo bikes to use roads, business hours of service, labour regulations, zoning, building design and much more.

Build on short-term initiatives

The discussion made clear that many important goods movement issues have an immediate impact but also will shape long-term outcomes and planning goals. The implication is that solutions to short-term issues, while not intuitively part of a 20-plus year strategy, should not be ignored and, in fact, can be seen as steppingstones to achieving long-term aspirations. For example:

- Today's electric vehicle shortages might delay the desired transition to sustainability. On the other hand, the delay could give governments and utilities

the time needed to plan and implement the necessary charging network infrastructure before the demand becomes acute.

- Anticipating the broader impacts of emerging logistics practices and technologies can help their deployment. For example, self-pick-up venues could help rejuvenate an underused shopping mall because it generates new reasons to visit the site, while minimizing delivery trucks circulating in residential areas.
- Ensuring adequate and congestion-free accesses to industries and businesses sets the stage for economic expansion at desired locations.
- The deployment of measures like off-hours delivery could help alleviate congestion levels today while also spurring the introduction of secure un-crewed drop-off spaces at stores and businesses through, for instance, updated site development requirements. In this way, the attractiveness of off-hours deliveries to small businesses can be broadened.
- The long-term impact of today's labour shortage on automation in goods movement could be considered.

Enhance the profile of the transportation and logistics sector

The pandemic has highlighted the critical importance of the goods movement industry in continuing supply the goods that we all need. However, the industry faces many challenges, a major one being labour shortages, which stems in part from a perceived societal disregard for the industry. The Region can take some steps to mitigate this.

Give the right signals. Ensure political support for business and goods movement is stated clearly from the highest levels, as Regional Chair Henry did to begin the Forum.

Highlight the benefits of goods movement. Often goods movement policies focus almost solely on the disbenefits of goods movement. While it is essential to manage and minimize the negative externalities of goods movement on communities and vulnerable road users, it is also important for Durham's strategy to explain the critical importance of goods movement – how good movement tangibly impacts daily lives and activities of Durham residents and businesses.

Provide viable, legal options for urban goods movement and deliveries. This can help with the negative perception of trucks being primarily a nuisance due to their impacts on urban traffic flow or illegally parking for deliveries. As Complete Streets policies are developed and detailed, including measures to help trucks and other road users more safely coexist will also help this perception.

Support logistics labour development. The Region's trade schools and post-secondary institutions can provide essential training to help fill labour shortages in this sector. Partnerships between these institutions and industry can help students attain gainful employment.

Collaborate

Meaningful industry-government dialogue and understanding are key to the successful development and implementation of a goods movement strategy. The goods movement strategy could progress in this regard through several means, as noted below.

Continue the dialogue established through the Forum. Understand how each other works, what their motivations are (public sector aspirations; private sector for-profit and operational costs).

Explore all avenues to address challenges. Opportunities may be available outside of conventional transportation planning processes to address challenges. For example, grants in Employment Insurance programs could be used to get people trained / retrained and retained in industry to address the labour shortage. Recognize that this not just about long-term planning but also about addressing short term operational, regulatory issues to make freight and goods movement more efficient and competitive – for example, enabling off-hours delivery.

Express benefits cases in meaningful terms. For example, in considering a switch to electric vehicles, the private sector would be interested in knowing the payback period for electric vehicles; what the implications with respect to existing operational and maintenance practice, charging infrastructure, etc.; and how to enable the critical mass needed to get original equipment manufacturers to build electric vehicles and other alternative-fuel vehicles.

Consider the role of data: Explore what data are needed and whether data can be shared between public and business organizations.

5.2 Building on the format and success of the forum

The Durham Region Freight and Goods Movement Forum was unique in many related ways. Going forward, the Region might consider the following for potential future forums for goods movement or on other topics.

- 1. Broad scoping.** Goods movement strategies are often developed with consultation internal to an agency and limited outreach with external agencies. The Durham Freight Forum provided a much broader reach for identifying needs and opportunities from which Regional staff can use to define and scope the strategy while also managing stakeholder expectations.
- 2. Awareness and education.** The movement of goods in an urban environment is much less well understood than the movement of people. In part, this reflects the focus of transportation master plans on the latter, necessarily drawing the attention of public agency staff resources. It also reflects the short-term operational focus of for-profit businesses, for whom long-term public policy aspirations may be too distant to demand much attention. The Forum succeeded in informing public and private sector interests about each other's perspectives.

- 3. Lots of information.** By design, the Forum was set up as a mini conference with a broad range of topics, akin to what a professional organization might offer its attendees. To keep people's interest, short presentations were used. Some speakers were comfortable with the suggested Pecha Kucha approach (20 slides covered in 20 seconds each), though most speakers kept to the strict time limit by using fewer slides. The participation numbers showed some drop-off over the course of each day, although the drop-off numbers were relatively low – meaning that the short presentation style succeeded in retaining the audience. This format worked well for the awareness / informative purposes of this Forum. However, with this base now established, for future engagement in the strategy or for a potential goods movement task force it might be appropriate to offer informative sessions but on a smaller selection of topics allowing longer discussions.
- 4. Importance of speaker and moderator preparations.** The Forum attracted a wide range of speakers, each of whom clearly made a significant effort to be informative while keeping to the subject matter. The moderators were well prepared and were able to keep the follow-on discussions moving well.
- 5. Timing.** To facilitate participation by industry, the Forum's events were held in the morning and over two days. This appeared to be a successful approach. The numbers of participants were similar over both days: there was a strong core retention, although it was evident that other attendees were interested in one day's topics over the other. The agricultural industry was a key sector that was under-represented due to the forum taking place during the busy spring season.
- 6. Virtual platform.** After more than two years of virtual meetings due to pandemic-related restrictions, attendees were used to virtual meetings and the lack of an in-person venue did not appear to detract participation. The Pheedloop platform provided tools for gathering and presenting information about the forum and speakers, for email communications, for streaming the sessions, for networking between participants within the sessions, and more. (There was additional platform functionality available that was not used.) Significant training was needed with the organizing team for speakers and moderators to be prepared to use the new platform for their presentations. The platform generally worked well from the participants' perspective – only one survey respondent commented negatively about it.

Taking these attributes together, the Durham Freight Forum can be considered a success. It achieved its primary objective of informing Durham's goods movement planning needs. It also increased stakeholders' awareness of Durham's economic potential, and it serves as a prototype for other municipalities that are planning to conduct their own goods movement strategies.

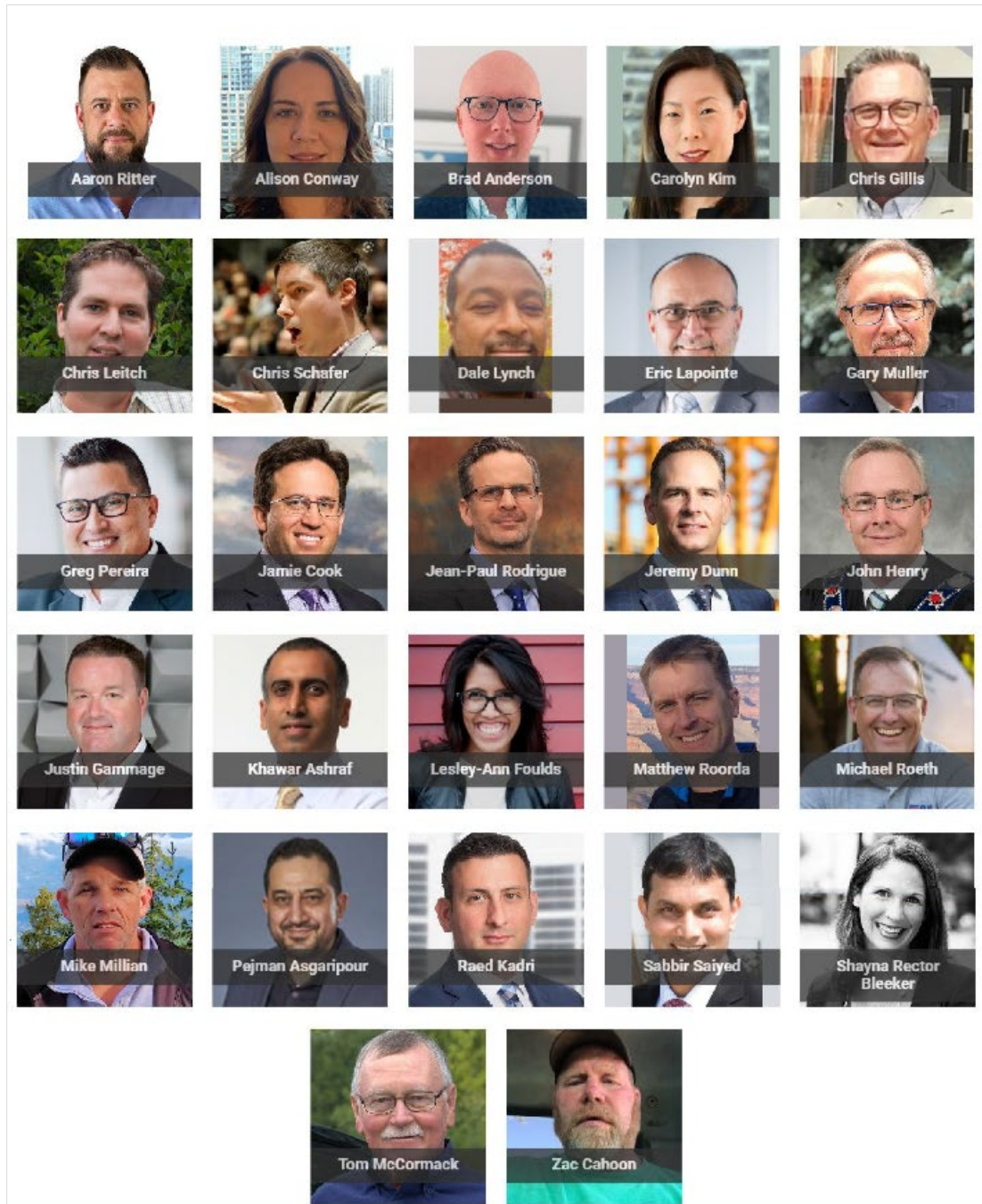
Appendix A: Forum Web Page, Portal and Communications

Durham Freight Forum Event Web Page

Landing Page

The screenshot shows the landing page for the Durham Region Freight and Goods Movement Forum. At the top, there is a navigation bar with the 'Freight Forum' logo and menu items: Home, Speakers, Sessions, Register, and Agenda. Below the navigation is a large hero image featuring a semi-truck on a highway at night. Overlaid on the right side of the hero image is the 'Freight Forum' logo and the dates 'June 22 - 23, 2022'. A yellow banner at the bottom of the hero image reads 'Durham Region Freight and Goods Movement Forum'. Below the hero image is a countdown timer with four segments: DAYS, HOURS, MINUTES, and SECONDS, each displaying '00'. The main content area has a light gray background and features the event title 'Durham Region Freight and Goods Movement Forum' in a large, bold font. Below the title is a calendar icon followed by the dates 'June 22, 2022 - June 23, 2022'. The text describes the forum as a virtual event on the mornings of Wednesday, June 22, and Thursday, June 23, 2022, from 8:30 to 11:00 am. It mentions that participants will be drawn from across the goods movement spectrum, including government, industry, service providers, academia, non-profits, and more. The text also states that the forum will provide a unique opportunity to share information on goods movement trends, needs, issues, best practices, and opportunities, and that the Region will use the outcomes to kickstart its freight and goods movement strategy update. It encourages participation and provides a link to 'Meet Our Speakers, Moderators and Panelists!'.

Landing Page (continued)




<p>Site Map</p> <ul style="list-style-type: none"> Home Speakers Sessions Register Agenda 	<p>Connect</p> <ul style="list-style-type: none"> 905-668-7711 victor.copetti@durham.ca 	<p>Information</p> <p>Durham Region Freight and Goods Movement Forum</p> <p>By The Regional Municipality of Durham</p> <p>June 22, 2022 - June 23, 2022</p>
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Speaker Page Example

Freight Forum

Home
Speakers
Sessions
Register
Agenda



Aaron Ritter
Director, Transportation Strategy, Walmart Canada Corp.


Day 2 - Focus on Durham

Speaker Practice Session

Aaron Ritter is currently the Director of Transportation Strategy at Walmart Canada. Aaron has held progressive positions in Sales Management and Transportation/Logistics for both CPG Suppliers and Retail over the last 18 years. With an eye on continuous improvement through adopting technology where it makes business sense he provides a proven track record of successfully bridging cross functional areas into innovative enterprise solutions. Following the launch of the world first industrial blockchain freight payment system the focus is now on sustainability and the introduction of alternative fuels into Walmart Canada's Fleet.


Aaron holds a Marketing Diploma from Mohawk College complimented with Queens/Smith School of Business - Design Thinking Program, Schulich School of Business – Lean Supply Chain Management and a Lean Six Sigma Green Belt Certification.

Search for speaker names and organizations




Aaron Ritter

Walmart Canada Corp.




Alison Conway

City College of New York




Brad Anderson

Regional Municipality of Durham




Carolyn Kim

Pembina Institute




Chris Gillis

Durham College




Chris Leitch

The Regional Municipality of Durham



Chris Schafer

Bird Canada



Dale Lynch


Transport Canada

IBI GROUP
DAVID KRIGER


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Sessions Page Example













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Agenda




Day 1 - The "Big Picture"


Understanding broad patterns and trends in freight and goods movement

 08:30 AM - 11:00 AM
 June 22, 2022


	Alison Conway Herbert G. Kayser Associate Professor of Civil Engineering, City College of New York
	Carolyn Kim Senior Director, Communities & Decarbonization Group, Pembina Institute
	Dale Lynch Economic Officer, Transport Canada
	David Kriger David Kriger Consultants Inc.
	Gary Muller Director of Planning, The Regional Municipality of Durham
	Jean-Paul Rodrigue Professor, Department of Global Studies and Geography, Hofstra University, New York
	Jeremy Dunn Commercial Vice President, HOPA Ports Hamilton Oshawa Port Authority
	John Henry Regional Chair & CEO, Regional Municipality of Durham

Dates and Times in America/Toronto Time Zone

 Day 1 - The "Big Picture"

 Day 2 - Focus on Durham

Registration Page



[Home](#) | [Speakers](#) | [Sessions](#) | [Register](#) | [Agenda](#)

Please fill in the following information about yourself. Fields marked with an asterisk are mandatory.

Email address *



First name * **Last name ***

Organization * **Title ***

Address (street/no.) **City**

Country **State/province** **Zip/postal code** **Phone**

[Next Step](#)

<p>Site Map</p> <ul style="list-style-type: none"> Home Speakers Sessions Register Agenda 	<p>Connect</p> <p> 905-668-7711</p> <p> victor.copetti@durham.ca</p>	<p>Information</p> <p>Durham Region Freight and Goods Movement Forum</p> <p>By The Regional Municipality of Durham</p> <p>June 22, 2022 - June 23, 2022</p>
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Agenda Page Example



Home Speakers Sessions Register **Agenda**



Freight Forum

 | June 22 - 23, 2022

Durham Region Freight and Goods Movement Forum

DRAFT Agenda for Wednesday, June 22, 2022

A. The “Big Picture”

Understanding broad patterns and trends in freight and goods movement

8:00 a.m. Exhibit hall and networking

8:30 1. Welcome
John Henry – Regional Chair and CEO, Regional Municipality of Durham

8:35 2. Introductory keynote address
Where Canadian manufacturing is headed and implications for freight
Raed Kadri – Head of the Ontario Vehicle Innovation Network, Ontario Centre of Innovation

9:00 3. The fundamentals
What matters most to freight and goods movement in Canada
Moderator: Dale Lynch – Economic Officer, Transport Canada

3.1 Demographic and economic trends
Tom McCormack – Principal, metro economics

3.2 Profile of multi-modal freight infrastructure and supply chains
Jean-Paul Rodrigue – Professor, Department of Global Studies and Geography, Hofstra University
(New York)

Moderated question and answer

9:25 Health break

Durham Freight Forum Event Portal

Freight Forum

Search Filter Hide All

Day 1 - The "Big Picture"
 Understanding broad patterns and trends in freight and goods movement
 Wednesday June 22nd, 8:30 - 11:00 AM EDT

Freight Forum

Thank you for participating in Day 1: The "Big Picture".

Please join us below for Day 2: Focus on Durham.

Durham Region Freight and Goods Movement Forum

Private Chats

Chat here...

Freight Forum

Search Filters

Aaron Ritter
 Director, Transportation Strategy, Walmart Canada Corp.

Start Chat

Aaron Ritter is currently the Director of Transportation Strategy at Walmart Canada. Aaron has held progressive positions in Sales Management and Transportation/Logistics for both CPG Suppliers and Retail over the last 18 years. With an eye on continuous improvement through adopting technology where it makes business sense he provides a proven track record of successfully bridging cross functional areas into innovative enterprise solutions. Following the launch of the world first industrial blockchain freight payment system the focus is now on sustainability and the introduction of alternative fuels into Walmart Canada's Fleet.

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Sessions

Day 2 - Focus on Durham
 Aaron Ritter, Brad Anderson, Chris Gillis, Chris Letich, Chris Schafer, David Kriger, Eric Lapointe, Gary Muller, Jamie Cook, Justin Gammage, Khawar Adraaf, Lesley-Ann Foulds, Mike Millan, Pejman Asgarpour, Shayna Rector Bleeker, Zac Cahoon
 Thursday 8:30 - 11:00 AM

Private Chats







Social Media

Several social media platforms from official Durham Region user accounts were used to provide information about the Freight and Goods Movement Forum. The following table summarizes the platform, content and metrics of each post. An example social media post from Twitter is included below.



Date	Twitter	Facebook	LinkedIn
June 14, 2022	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum on June 22 and 23. Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! 🚛</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum on June 22 and 23. Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! 🚛</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum on June 22 and 23. Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! 🚛</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>
	<p>Impressions: 933 Engagements: 12 Detail expands: 1 Profile visits: 2 Link clicks: 5</p>	<p>Impressions: 864 Reach: 863 Engagement: 4</p>	<p>Impressions: 195 Unique Impressions: 155 Engagements: 2 Clicks: 2 Click-through rate: 1%</p>

Date	Twitter	Facebook	LinkedIn
June 15, 2022	<p>Do you have questions about freight and goods movement in #DurhamRegion? Register for the free virtual Freight and Goods Movement Forum on June 22 and 23 and have your questions and concerns answered! 🚚</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	<p>Do you have questions about freight and goods movement in #DurhamRegion? Register for the free virtual Freight and Goods Movement forum on June 22 and 23 and have your questions and concerns answered! 🚚</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	<p>Do you have questions about freight and goods movement in #DurhamRegion? Register for the free virtual Freight and Goods Movement forum on June 22 and 23 and have your questions and concerns answered! 🚚</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>
	<p>Impressions: 1,403 Engagements: 7</p>	<p>Impressions: 785 Reach: 665 Engagements: 5</p>	<p>Impressions: 266 Unique Impressions: 208 Engagements: 1 Clicks: 1 Click-through rate: 0.4%</p>
June 17, 2022	<p>Retweet (June 13) #DurhamRegion is hosting a free virtual Freight and Goods Movement Forum on June 22 and 23. Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! 🚚</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	<p>Share (June 13) #DurhamRegion is hosting a free virtual Freight and Goods Movement Forum on June 22 and 23. Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! 🚚</p> <p>Visit: bit.ly/39d6M3i to register.</p> <p>Freight Forum image included</p>	-
	<p>Insights on original post</p>	<p>Insights on original post</p>	-
June 19, 2022	<p>Join us at the Freight and Goods Movement Forum this Tuesday (June 22) and Wednesday (June 23) from 8:30 to 11:00 a.m.</p>	<p>Join us at the Freight and Goods Movement Forum this Tuesday (June 22) and Wednesday (June 23) from 8:30 to 11:00 a.m.</p>	<p>Join us at the Freight and Goods Movement Forum this Tuesday (June 22) and Wednesday (June 23) from 8:30 to 11:00 a.m.</p>

Date	Twitter	Facebook	LinkedIn
	<p>Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion. </p> <p>Register now: bit.ly/39d6M3i</p> <p><i>Freight Forum image included</i></p>	<p>Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion. </p> <p>Register now: bit.ly/39d6M3i</p> <p><i>Freight Forum image included</i></p>	<p>Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion. </p> <p>Register now: bit.ly/39d6M3i</p> <p><i>Freight Forum image included</i></p>
	<p>Impressions: 1,168 Engagements: 11 Detail expands: 2 Link clicks: 3</p>	<p>Impressions: 836 Reach: 822 Engagement: 22</p>	<p>Impressions: 323 Unique Impressions: 252 Engagements: 2 Clicks: 1 Reaction: 1</p>
<p>June 21, 2022</p>	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum tomorrow June 22 and Wednesday (June 23). Learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! Visit: bit.ly/39d6M3i to register. </p> <p><i>Freight Forum image included</i></p>	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum tomorrow (June 22) and Wednesday (June 23). Don't miss your chance to learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! Visit: bit.ly/39d6M3i to register. </p> <p><i>Freight Forum image included</i></p>	<p>#DurhamRegion is hosting a free virtual Freight and Goods Movement Forum tomorrow (June 22) and Wednesday (June 23). Don't miss your chance to learn about key trends, issues and opportunities for freight and goods movement in #DurhamRegion! Visit: bit.ly/39d6M3i to register. </p> <p><i>Freight Forum image included</i></p>
	<p>Impressions: 829 Engagements: 5 Detail expands: 3</p>	<p>Impressions: 470 Reach: 466</p>	<p>Impressions: 206 Unique impressions: 167 Engagements: 11 Click-through rate: 1.9% Reactions: 5 Shares: 2</p>

Appendix B: Speakers and Moderators



Brad Anderson

Principal Planner, Policy and Special Studies, Planning and Economic Department,
Regional Municipality of Durham



Moderator: Day 2 – 2. Durham today and tomorrow

Brad is a Principal Planner, Policy and Special Studies, with the Planning and Economic Department at the Region of Durham. Brad has over 15 years' experience in the planning and development field, spanning site and urban design, develop review and approvals, policy, and special projects. In more recent years, he has been focused on the Region's Municipal Comprehensive Review as the Team Lead for the Growth Management component of the project.

Brad is a Registered Professional Planner with the Ontario Profession Planners Institute, a member of the Canadian Institute of Planners, and a Professional Land Economist with the Association of Ontario Land Economists. Brad holds a bachelor's degree in Urban and Regional Planning from Ryerson University.



Pejman Asgaripour

Project Director-Darlington New Nuclear-Small Modular Reactor Site, Ontario Power
Generation - Darlington



Speaker: Day 2 – 3.3 Energy

No bio available.



Khawar Ashraf

Associate VP, Transportation Planning and Engineering, AECOM



Speaker: Day 2 – 2.2 Freight infrastructure and planning in Durham Region

Khawar Ashraf's career as a professional engineer began over twenty years ago with the City of Edinburgh Council, providing end-to-end transportation planning on their new Containerization program—the first of its kind in 'bonnie' Scotland. He went on to work with TfL (Transport for London) to develop and deliver the next generation of integrated transit bus networks, called "The London Bus Initiative," which provided a holistic transit service, cashless operation, travel time reliability and tackled the onerous task of making bendy buses work on London streets. This experience positioned him as a key player in the transportation planning and development of the London 2012 Olympic route network and delivering a framework for local venue temporary traffic management plans. Moving further afield, he contributed to Libya's first Transportation and Traffic Geometric Design Guide before the Arab Spring.

Ever alert to greater challenges and the chance to expand his skills, Khawar has spent the last ten years in the GTHA working with transit agencies and many of the regions and municipalities - Metrolinx, the Ministry of Transportation and Transport for Canada - on a wide variety of assignments involving TMP's EA's (TPAP's) BRT's, LRT's, and highway/freeway infrastructure rehabilitation. More recently and notably, the Gordie Howe International Bridge, Hamilton and Hurontario LRTs, and the study of Hyperloop for the Canadian context. For the past five years, Khawar has been Manager of Transit Planning & Engineering at AECOM Canada. He has a Civil & Transportation Engineering degree from Napier University, Edinburgh, Scotland.



Zac Cahoon

Twin Erin Farms and Chair of **Durham's Agriculture Advisory Committee (DAAC)**

Speaker: Day 2 – 3.1 Agri-business

Zac is a second-generation Canadian farmer in the Durham region area. He began his career in agriculture in 1992 working with his parents on the family farm. Over the course of Zac's career, the farm business has transformed from a livestock-intensive operation with hogs, feedlots and broiler chickens into a grain and oilseed production operation.

Presently Zac works together with his brother to cultivate 1700 acres in the Port Perry area growing corn, soybeans, wheat, oats and hay.

Currently Zac is the chairman of the Durham Agriculture Advisory Council, on the executive of Durham region Federation of Agriculture. He is also the Chair of the Durham Farm Connections Executive committee and a director on the Port Perry Agricultural Society.



Jamie Cook

Managing Partner, Watson & Associates Economists Ltd.



Speaker: Day 2 – 2.1 Demographic and economic trends in Durham Region

Jamie is a managing partner at Watson & Associates Economists Ltd., specializing in land economics as well as long-range urban and regional land-use planning. Over the past two decades with Watson, Jamie has been a key player in developing the firm's expertise in several core areas, related to demographic analysis, growth management, employment lands needs, municipal competitiveness, real estate market analysis and economic impact analysis.

Throughout his career, he has developed wide-spread experience working with numerous public sector clients in both urban and rural locations across Canada in the above-mentioned core areas. Of relevance to the Durham Region Freight forum is Jamie's experience in long-range planning and business case development related to the goods movement sector. Throughout the past decade, Jamie has prepared numerous studies across Canada related to this topic. Jamie has also provided expertise to the Region of Durham for the past two decades related to long-range growth forecasting, land economics, growth management and development charges.



Alison Conway

Herbert G. Kayser Associate Professor of Civil Engineering, **City College of New York**



Speaker: Day 1 – 4.1.2 First and Last Kilometre

Alison Conway is the Herbert G. Kayser Associate Professor of Civil Engineering at the City College of New York. Dr. Conway conducts research primarily in the areas of urban freight and city logistics, freight data, and multi-modal interactions in the urban environment. Her work has been supported by the USDOT, the New York State Department of Transportation and Energy Research and Development Authority, and the Volvo Research and Education Foundations. Dr. Conway currently Chairs the Transportation Research Board's (TRB's) Freight Data Committee and the ASCE Transportation and Development Institute's (T&DI) Freight and Logistics Committee.



Jeremy Dunn

Commercial Vice President, HOPA Ports | Hamilton Oshawa Port Authority



Speaker: Day 1 – 4.3.1 New technologies in transportation and logistics

Jeremy is the commercial vice president at HOPA Ports. Prior to joining HOPA, Jeremy served in successive leadership roles at The Miller Group, one of Canada's leading transportation construction and infrastructure maintenance companies. Jeremy has managed multiple business groups in the heavy construction, asphalt paving and aggregates sectors driving results through business restructuring, service improvement and strategic growth. In his most recent role, Jeremy served as General Manager of Miller Maintenance, responsible for managing and growing Miller's highway maintenance business in Ontario.

Previous to The Miller Group, Jeremy held the position of Director of Operations for the Dunn Group of Companies.

Jeremy earned his Bachelor of Commerce (Honours) at Queen's University, and holds a Master's Certificate in Project Management.



Lesley-Ann Foulds

Manager Corporate Initiatives, CAO's Office, Regional Municipality of Durham,
Regional Municipality of Durham



Moderator: Day 2 – 4. Summary and take-aways

Lesley-Ann is a Manager, Corporate Initiatives, Strategy & Performance within the CAO's Office at the Region of Durham. Lesley-Ann has over 10 years of experience in Ontario's nuclear industry where she worked in plant engineering, operations, and corporate engineering strategy. In her current role at the Region of Durham, Lesley-Ann leads the design, implementation, and evaluation of the Regional Strategic Plan as well as key organizational performance initiatives focused on data insights & analytics.

Lesley-Ann holds a Bachelors of Applied Science in Civil Engineering from the University of Toronto and a Masters of Design in Strategic Foresight and Innovation from OCAD University.



Justin Gammage

Senior Executive Advisor for Strategic Research Priorities and Industry Collaborations,
Ontario Tech University



Speaker: Day 2 – 3.5 Future technologies and research

Speaker: Day 2 – 4.1 Academic viewpoint

Justin Gammage is the Senior Executive Advisor Strategic Research Priorities and Industry Collaborations for the Vice President of Research and Innovation at Ontario Tech University. He also serves as the Manager for Durham's Ontario Vehicle Innovation Network Technology Development Site activities at Ontario Tech University. In these roles he leads the institution's industry outreach and creates industry driven research programs with leading faculty and research labs. Among these labs is the Automotive Centre of Excellence (ACE), Canada's most sophisticated full-scale automotive research facility.

Prior to joining Ontario Tech in 2015, Justin spent 14 years working in the automotive industry in assignments that included both production, product and validation engineering. Most recently, as Chief Scientist for General Motors of Canada, Justin was responsible for developing and managing a broad portfolio of innovation projects with leading experts and faculty from Universities across Canada. He holds a Ph.D. from McMaster University and is a registered Professional Engineer in the Province of Ontario.



Chris Gillis

Manager of Applied Research Business Development, **Durham College**



Moderator: Day 2 – 3. Durham's goods-generating industries

In his current role, Chris is the college lead for applied research project development in the areas of electric, connected and autonomous vehicles, advance technologies and craft beer/beverage development.

Chris' career of 35 years plus started after graduating from Dalhousie University and The Technical University of Nova Scotia with a Bachelor of Mechanical Engineering. Chris worked in several manufacturing organizations with every increasing responsibility until leaving to start his own consulting company focusing on operational performance improvement, innovation and customer satisfaction.

For over 20 years he has worked with both private and public sector organizations, covering a wide variety of industries and sectors in Canada, the United States, Mexico and the United Kingdom, developing and implementing custom solutions.



John Henry

Regional Chair and CEO, **The Regional Municipality of Durham**



Speaker: Day 1 – 1. Welcome

Elected as Durham's Regional Chair and CEO in 2018, John Henry served as the Mayor of Oshawa from 2010-2018, and Regional Councillor for Oshawa's Ward 5 from 2006-2010. He has previously served as a member of the Regional Planning & Economic Development Committee, as Chair of the Durham Region Local Housing Corporation, member of the Durham Region Transit Executive Committee and the Durham Environmental Advisory Committee.

Born and raised in Oshawa and a dedicated volunteer, John has a vested interest in the future development, prosperity and quality of life for Durham residents, while keeping a close eye on fiscal responsibility.

John is a graduate of R.S. McLaughlin C.V.I., Durham College, George Brown College and Panasonic's Corporate School. He is also a trained Industrial Fire Fighter, Ice Rescue Specialist and Dive Rescue Specialist.



Raed Kadri

Head of the Ontario Vehicle Innovation Network (OVIN), **OCI**



Speaker: Day 1 — 2. Introductory Keynote Address

Raed Kadri is Head of Ontario's Autonomous Vehicle Innovation Network (OVIN), an initiative by the Government of Ontario to ensure Ontario's leadership in the future of the automotive and mobility sector.

At the helm of OVIN, Raed drives Ontario's presence on the global stage; leading programming that supports research and development (R and D) funding, talent development, technology acceleration, business and technical supports through testing and demonstration sites. In addition to that, Raed leads province-wide coordination of activities and resources, public education, research, analysis, and thought leadership.

Bringing together stakeholder groups and raising awareness around the opportunities for Ontario and for its partners, Raed is cementing Ontario's leadership in the future of the automotive and mobility sector globally.



Carolyn Kim

Senior Director, Communities & Decarbonization Group, **Pembina Institute**



Speaker: Day 1 – 4.2.1 Sustainability and decarbonization technologies and practices I

Carolyn Kim is the senior director of the Pembina Institute's communities and decarbonization group. She brings 15 years of policy and planning experience from the public, private and non-government sectors to the role. Carolyn is a skilled collaborator, bringing organizations together to accelerate low-carbon solutions in Canadian cities and communities. In 2019, Carolyn initiated Pembina's Urban Delivery Solutions Initiative to tackle freight emissions.

Carolyn is a registered planner with the Ontario Professional Planners Institute and a member of the Canadian Institute of Planners. She holds a master's degree in public policy from the University of Toronto and a bachelor's degree in urban and regional planning from Ryerson University. She currently serves on Blue Green Canada's board of directors.



David Kriger

Principal, **David Kriger Consultants Inc.**

Speaker: Day 2 – 1. Welcome and recap of Day 1 – Recap

David Kriger, Principal of DKCI, served as co-Project Manager for the forum. David is nationally recognized as a leader in urban goods movement strategies and analysis, with 39 years of experience in the GGH, across Canada, the USA and Australia. Since establishing DKCI in 2011, David's goods movement portfolio has included strategies and stakeholder consultations, best practice research, sustainable goods movement studies, new technology assessments, network modelling/analysis, truck surveys, multi-modal strategic goods movement networks, truck route studies, and truck parking, safety and operational studies. David has written guides for Canadian, US and Australian authorities on truck network/analysis, modelling and surveys, and has been an invited speaker at various Canadian universities and professional associations like TAC and ITE. David holds master's degrees in transportation engineering and city

planning from the University of Pennsylvania and a bachelor's degree in applied science and engineering from the University of Toronto.



Chris Leitch

Principal Planner - Transportation, **The Regional Municipality of Durham**



Speaker: Day 2 – 2.3 Freight and goods movement profile for Durham Region

Chris is a Principal Planner, Transportation Planning within the Planning and Economic Development Department at the Region of Durham. Chris has over 20 years of experience in the transportation planning field, starting in the private sector and having progressed in various roles at the Region. He has been closely involved in a variety of projects including the Durham Transportation Master Plan update, the ongoing “Envision Durham” comprehensive review of the Regional Official Plan, environmental assessment studies, development review including secondary plans for new neighbourhoods, and multi-agency data collection and monitoring initiatives.

Chris is a Registered Professional Planner with the Ontario Professional Planners Institute, is a member of the Canadian Institute of Planners and is part of the Ontario Traffic Council's Transportation Planning Committee. He has a Master of Urban Planning degree from McGill University, a Bachelor of Arts (honours) degree in geography from Queen's University and a Geographic Information Systems Specialist certificate from McMaster University and Mohawk College.



Eric Lapointe

Vice President, Ontario East and Northern Quebec, **QSL**



Speaker: Day 2 – 3.4 Hamilton and Oshawa Port Authority

Mr. Lapointe heads stevedoring operations, mill services, and business development initiatives for Eastern Ontario and Northern Quebec. He joined QSL in 2005 with more than 10 years of experience in the mining industry. With his knowledge of terminal operations and expertise in marine engineering project management, Mr. Lapointe has an impressive track record in process optimization and innovative solutions implementation aimed at meeting our clients' expectations with precision.



Dale Lynch

Economic Officer, **Transport Canada**



Moderator: Day 1 — 3. The fundamentals

Dale Lynch, P.Eng, currently works with Transport Canada supporting initiatives around supply chain visibility and digitalization. He has 20 years of experience in the transportation sector, having worked across Canada in both the public and private sectors, and at all levels of government. His areas of practice and expertise include land development, making streets more liveable, goods movements and supply chains. Dale also gives back to the community by volunteering with grass-roots organizations that help at-risk youth and speaking at schools to encourage students to pursue higher learning. Dale lives in Montreal with his wife, two children and their golden retriever.



Mike Millian

President, **Private Motor Truck Council of Canada**



Speaker: Day 2 — 4.2 Industry viewpoint

Mike spent three years working for a local carrier Hauling Livestock and bulk agriculture products. At the age of 21 Mike went to work for a long Haul Refrigerated and general freight carrier and spent 5 years hauling freight in all 48 US Mainland States and 6 Canadian Provinces. The carrier then opened a Certified Driver Training School in 1998 and Mike came off the road to become one of the School's first Certified Driver Trainers.

In 2000 Mike Transitioned into Safety and Compliance for the Fleet, while still working part-time as a Trainer for the School.

In 2002 Mike moved over to a Private Fleet and became the Safety, Compliance, Maintenance and Training manager for the Hensall District Co-operative's Commercial Trucking Fleet. Mike spent the next 12.5 years with Hensall and oversaw the Fleets as it grew from 40 Trucks in 2002 to over 160 in 2015.

In January of 2015 Mike moved into the Trucking Association business and was named the President of the Private Motor Truck Council of Canada, where he remains in his current role.

In July of 2021 Mike became a CITT Certified Logistics Professional (CCLP).



Tom McCormack

Principal, metro economics



Speaker: Day 1 — 3.1 Demographic and Economic Trends

Tom McCormack is a recognized authority on Canada's economic and demographic prospects. He has an MA (Economics) from Western University and four decades of experience as an economic forecaster and advisor in both the private and the public sectors. Prior to establishing metroeconomics in 1989 he served as a senior economic advisor to the federal government in Ottawa; Chief Canadian Economist Data Resources Inc. (now IHS Global Insight); and Vice President of Research with Compusearch (now Environics). Tom is a past Chairman of Waterloo School of Planning's Pragma Council; a past president of the Canadian Association for Business Economics; a former member of the board of the Greater Toronto Airports Authority. And he was a member of the Premier of Ontario's Task Force on the Future of the Greater Toronto Area (the Golden Task Force).



Gary Muller

Director of Planning, The Regional Municipality of Durham



Speaker: Day 2 – 1. Welcome and recap of Day 1 – Opening Remarks

Gary Muller is the Director of Planning for Durham Region. With 30 years of planning experience, Gary is responsible for leading the activities of the Region's Planning Division, through Policy Planning and Special Studies, Transportation Planning and Plan Implementation. Gary is currently overseeing a wide range of including the Region's Official Plan review, the Regional Cycling Plan update, improvements to business processes and the Region's review of planning and development applications. Over his career, Gary has led in the preparation and review of official plans, land use planning studies, facilitated downtown redevelopment projects, community improvement plans, urban design guidelines and a variety of development applications. Gary has a Master's Degree in Urban and Rural Planning from Dalhousie University and is a Registered Professional Planner.



Greg Pereira

Manager, Transportation Planning, **Regional Municipality of Durham**



Forum Chair: Day 1 and Day 2

Speaker: Day 2 – 6. Wrap-up

Greg is the Manager of Transportation Planning in the Planning and Economic Development Department at the Regional Municipality of Durham. Greg has over 23 years of experience with a focus on land use, infrastructure and transportation planning and has worked internationally in Canada (Ontario), United Arab Emirates (Abu Dhabi) and Africa (Seychelles). Over the course of his career, Greg has led and contributed to many exciting city building and strategic initiatives such as Toronto Union Station Revitalization, Downsview Area Secondary Plan, Spadina Subway Extension, Durham Region's Cycling Plan, Abu Dhabi 2040 Maritime Plan, and the expansion of Ontario's GO heavy rail network and renovation of over 24 GO passenger rail stations.

Greg is a Registered Professional Planner with the Ontario Professional Planners Institute and is a member of the Canadian Institute of Planners. Greg holds a Bachelor of Arts degree in Geography from University of Toronto and is currently pursuing a Smart Mobility certificate at the Massachusetts Institute of Technology.



Shayna Rector Bleeker

VP Strategic Partnerships, **7Gen**



Speaker: Day 1 – 4.3.2 New business models and considerations for logistics providers integrating zero-emission vehicles

Shayna Rector Bleeker is a cofounder of 7 Gen - a Vancouver based company mobilizing the capital and know-how to support medium and heavy duty fleets deploy electric vehicles and chargers. They offer integrated technology selection, planning, financing, software, installation and maintenance allowing companies to focus on their core business while moving more easily, confidently and profitably towards integrating Zero Emission vehicles in their fleets. She has a background in communications and partnership development and has spent many years in the climate and energy space. This includes working from global energy multinational Shell for a decade. She is a mother to two young boys, and is committed to advancing solutions that address climate change, while at the same time promoting clean growth.



Aaron Ritter

Director, Transportation Strategy, **Walmart Canada Corp.**



Speaker: Day 2 – 5. Closing keynote address

Aaron Ritter is currently the Director of Transportation Strategy at Walmart Canada. Aaron has held progressive positions in Sales Management and Transportation/Logistics for both CPG Suppliers and Retail over the last 18 years. With an eye on continuous improvement through adopting technology where it makes business sense, he provides a proven track record of successfully bridging cross functional areas into innovative enterprise solutions. Following the launch of the world first industrial blockchain freight payment system the focus is now on sustainability and the introduction of alternative fuels into Walmart Canada's Fleet.

Aaron holds a Marketing Diploma from Mohawk College complimented with Queens/Smith School of Business - Design Thinking Program, Schulich School of Business – Lean Supply Chain Management and a Lean Six Sigma Green Belt Certification.



Jean-Paul Rodrigue

Professor, Department of Global Studies and Geography, **Hofstra University (New York)**



Speaker: Day 1 — 3.2 Profile of multi-modal freight infrastructure and supply chains

Dr. Jean-Paul Rodrigue's research interests mainly cover the fields of transportation and economics as they relate to logistics and global freight distribution. Specific topics over which he has published extensively cover maritime transport systems and logistics, global supply chains, gateways, and transport corridors. His research about port regionalization and the development of port/hinterland supply chains is among the world's most cited in the domain. Dr. Rodrigue developed a widely used online reference source and textbook about transportation, the Geography of Transport Systems, now in its fifth edition. He is a senior member of the PortEconomics.eu initiative regrouping the world's leading maritime transport academics and performs advisory and consulting assignments for international organizations and corporations. His co-authored textbook, Port Economics, Management and Policy, was published in January 2022. In 2019, he was the recipient of the Edward L. Ullman Award for outstanding contribution to the field of transport geography by the Association of

American Geographers. In 2022, Dr. Rodrigue was appointed as a Distinguished Fellow at the Hagler Institute for Advanced Study / Department of Maritime Administration, Texas A&M University.



Michael Roeth

Executive Director, **North American Council for Freight Efficiency**



Speaker: Day 1 – 4.2.1 Sustainability and decarbonization technologies and practices II

Mike has worked in the commercial vehicle industry for over 35 years, is the Executive Director of the North American Council for Freight Efficiency and is the trucking lead for RMI. Mike's specialty is brokering green truck collaborative technologies into the real world at scale. Mike was awarded the prestigious SAE 2020 L. Ray Buckendale Lecturer and manuscript author. He has a Bachelor of Science in Engineering from the Ohio State University and a Master's in Organizational Leadership from the Indiana Institute of Technology. Roeth served on the second National Academy of Sciences, Engineering, Medicine Committee on Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, is a Department of Energy Merit Reviewer and past Chairman of the Board for the Truck Manufacturers Association. He understands the customers, operations and intricacies of the commercial vehicle industry having held various positions in product development, engineering, reliability and quality, sales, materials and plant management with Navistar and Behr/Cummins.



Matthew Roorda

Professor of Civil Engineering, **University of Toronto**



Speaker: Day 1 – 4.1.1 Trends in Freight and Logistics

Matthew Roorda is a Professor of Civil Engineering, has been faculty at the University of Toronto since 2005, and has worked in the transportation engineering profession since 1998. He is the Government of Canada's Canada Research Chair in Freight Transportation and Logistics and leads the scientific advisory committee of the Smart Freight Centre. Dr. Roorda's research interests include urban freight transportation, freight planning and operations, freight and passenger travel survey methods, city logistics, agent-based simulation, parking and curbside management, emissions analysis, activity-based travel demand modelling, and firm behaviour.



Sabbir Saiyed

Manager, Transportation System Planning, **Region of Peel**



Moderator: Day 1 – 4. Trends and Disruptors

Dr. Sabbir Saiyed is currently a Manager of Transportation System Planning at the Regional Municipality of Peel and one of founding members of Smart Freight Centre.

Dr. Sabbir Saiyed has over 25 years of experience in progressively responsible positions in civil engineering, transportation and management. Apart from the Regional Municipality of Peel, Dr. Sabbir Saiyed has enjoyed productive careers at the City of Markham, Regional Municipality of York, Royal Military College of Canada, Kingston and the City of Ottawa.

Dr. Sabbir Saiyed has a Ph.D. from Royal Military College of Canada, Kingston, Ontario and Master's degree in Civil Engineering from Carleton University. He is also a Registered Professional Engineer in the Province of Ontario.

Dr. Sabbir Saiyed is currently the National Chair of Integrated Climate Change Committee and Vice Chair of TAC's Connected and Automated Vehicle Task Force at Transportation Association of Canada. He is also the Past Chair of Mobility Council and Transportation Planning Committee.



Chris Schafer

Vice President, Government Affairs, **Bird Canada**



Speaker: Day 2 – 3.2 Advanced mobility

Chris Schafer is Vice President, Government Affairs at Bird Canada. Prior to joining Bird Canada, Chris was a Senior Director at another micromobility start-up after almost five years at Uber Canada as their Senior Public Policy Manager in Canada. Previously, Chris did stints in media and as a regulatory lawyer with Gowlings in Ottawa.

Appendix C: Forum Participants

Day 1 Forum Participants

Organization

7Gen
 AECOM
 Bird Canada
 Canada Post
 City College of New York
 City of Brampton
 City of Hamilton, Transportation Planning and Parking
 City of Oshawa
 City of Ottawa
 City of Ottawa
 City of Peterborough
 City of Pickering
 David Kriger Consultants Inc.
 Durham College
 Hofstra University, New York
 HOPA Ports | Hamilton Oshawa Port Authority
 IBI Group
 IBI Group
 IBI Group
 IBI Group
 Lenbrook Group
 McIntosh Perry Consulting Engineers
 Metro Economics
 MTO, Systems Analysis and Forecasting Office
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 North American Council for Freight Efficiency
 Ontario Vehicle Innovation Network, OCI
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 Ontario Power Generation - Darlington
 Ontario Tech University
 Pembina Institute
 Private Motor Truck Council of Canada
 QSL

Participant Name

Shayna Rector Bleeker
 Khawar Ashraf
 Chris Schafer
 Scott Watson
 Alison Conway
 Martin Bohl
 Omar Shams
 Ranjit Gill
 Deborah Lightman
 Max Walker
 Kevin Jones
 Nadeem Zahoor
 David Kriger
 Chris Gillis
 Jean-Paul Rodrigue
 Jeremy Dunn
 Anna Mori
 Anthony Galloro
 Bruce Mori
 Tanvir Chowdhury
 Joan Wideman
 Mehemed Delibasic
 Tom McCormack
 Shan Sureshan
 Shuming Du
 Michael Roeth
 Alicia Pereira
 Dan Ruby
 Raed Kadri
 Pejman Asgaripour
 Justin Gammage
 Carolyn Kim
 Mike Millian
 Eric Lapointe

Organization

Region of Durham
 Region of Durham
 Region of Durham
 Region of Durham
 Region of Durham
 Region of Durham
 Region of Durham, Works – Transportation Infrastructure
 Region of Durham
 Region of Durham, Infrastructure Design and Engineering
 Region of Durham
 Region of Durham
 Region of Durham, CAO's Office - Sustainability
 Region of Durham
 Region of Durham
 Region of Durham
 Region of Durham, Planning and Economic Development
 Region of Durham
 Region of Durham
 Region of Peel
 Region of Peel
 Smart Freight Centre
 Stantec
 TELUS
 Town of Ajax
 Township of Uxbridge
 Township of Uxbridge
 Township of Uxbridge
 Transport Canada
 University of Toronto
 University of Waterloo
 Walmart Canada Corp.
 Watson & Associates Economists Ltd.
 York Region, Senior Transportation Specialist

Participant Name

Alia Tulloch
 Allison Brown
 Anthony Caruso
 Brad Anderson
 Chris Leitch
 Danielle Culp
 Doug Robertson
 Gary Muller
 Glyn Reedman
 Graham Wilson
 Greg Pereira
 Ian McVey
 John Henry
 Lesley-Ann Foulds
 Sandra McEleney
 Stacey Gibb
 Tao Ye
 Victor Copetti
 Sabbir Saiyed
 Sabrina Khan
 Matthew Roorda
 Arash Mirhoseini
 Sherin Abdelhamid
 Dhaval Pandya
 Craig Miller
 Judy Risebrough
 Lukas Gillam
 Dale Lynch
 Marc Saleh
 Clarence Woudsma
 Aaron Ritter
 Jamie Cook
 Kevin Ye

Day 2 Forum Participants

Organization

7Gen
 AECOM
 Bird Canada
 Canada Post
 City College of New York
 City of Brampton
 City of Hamilton, Transportation Planning and Parking
 City of Oshawa
 City of Ottawa
 City of Ottawa
 City of Peterborough
 City of Pickering
 David Kriger Consultants Inc.
 Durham College
 Hofstra University, New York
 HOPA Ports | Hamilton Oshawa Port Authority
 IBI Group
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 Lenbrook Group
 McIntosh Perry Consulting Engineers
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 Ontario Tech University
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 Jean-Paul Rodrigue
 Jeremy Dunn
 Anna Mori
 Anthony Galloro
 Bruce Mori
 Tanvir Chowdhury
 Joan Wideman
 Mehemed Delibasic
 Tom McCormack
 Michael Roeth
 Pejman Asgaripour
 Justin Gammage
 Alicia Pereira
 Dan Ruby
 Raed Kadri
 Carolyn Kim
 Mike Millian
 Eric Lapointe
 Alia Tulloch
 Allison Brown
 Anthony Caruso
 Brad Anderson
 Chris Leitch

Organization

Participant Name

Region of Durham	Danielle Culp
Region of Durham	Gary Muller
Region of Durham, Infrastructure Design and Engineering	Glyn Reedman
Region of Durham	Graham Wilson
Region of Durham	Greg Pereira
Region of Durham, CAO's office - Sustainability	Ian McVey
Region of Durham	John Henry
Region of Durham	Lesley-Ann Foulds
Region of Durham	Paul Gee
Region of Durham	Vannitha Chanthavong
Region of Durham	Victor Copetti
Region of Durham, Planning and Economic Development	Stacey Gibb
Region of Durham	Sandra Mceleney
Region of Durham	Tao Ye
Region of Peel	Sabbir Saiyed
Region of Peel	Sabrina Khan
Smart Freight Centre	Matthew Roorda
Stantec	Arash Mirhoseini
Systems Analysis and Forecasting Office	Shuming Du
Systems Analysis and Forecasting Office	Shan Sureshan
TELUS	Sherin Abdelhamid
Town of Ajax	Dhaval Pandya
Town of Whitby	Tara Painchaud
Township of Uxbridge	Craig Miller
Township of Uxbridge	Judy Risebrough
Township of Uxbridge	Lukas Gillam
Transport Canada	Dale Lynch
Twin Erin Farms and Chair of Durham's Agriculture Advisory Committee (DAAC)	Zac Cahoon
University of Toronto	Marc Saleh
University of Waterloo	Clarence Woudsma
Walmart Canada Corp.	Aaron Ritter
Watson & Associates Economists Ltd.	Jamie Cook
Works - Transportation Infrastructure, Durham Region	Doug Robertson
York Region	Ahmad Subhani
York Region, Senior Transportation Specialist	Kevin Ye



The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: #2023-INFO-27
Date: April 14, 2023

Subject:

North Durham Online Business Toolkits

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to provide an overview of the newly created north Durham Business Toolkits and outline planned promotional efforts to ensure they are reaching desired audiences.

2. Background

2.1 The Agriculture and Rural Economic Development section of the Economic Development and Tourism Division (Invest Durham) supports economic development efforts and initiatives in the Townships of Brock, Scugog and Uxbridge (north Durham) and led the development of the Business Toolkits with support from area municipal staff.

2.2 Business Toolkits were developed for each north Durham municipality to fulfill a need for a one-stop-shop for relevant, Township-specific and up-to-date business resources that are more easily accessible to prospective investors, entrepreneurs, and current business owners.

3. Previous Reports and Decisions

3.1 [Growing North Durham: Rural Economic Development Action Plan \(Report 2023-EDT-2\)](#)

3.2 The development of online business information toolkits for each north Durham municipality was a key action identified under the Investment Readiness goal of this Plan.

4. Business Toolkit Content

4.1 While each toolkit follows a similar format, the information, resources and design have been tailored to each specific municipality, see links below.

- a. Township of Brock: TownshipOfBrock.ca/BusinessToolkit
- b. Township of Scugog: Scugog.ca/BusinessToolkit
- c. Township of Uxbridge: Uxbridge.ca/BusinessToolkit

4.2 Toolkits have been designed with ease of use in mind, and information is organized into the following categories:

- a. **The (Township Name) Advantage:** Toolkits begin with community information tailored towards prospective investors interested in the municipality as a place to do business. Resources include community profiles, regional data reports, strategic plans, etc.
- b. **Starting or Expanding Your Business:** This section includes information and resources of interest to investors or entrepreneurs who have decided to establish a physical presence for their business in the respective municipality and need information on next steps (e.g. site selection, building permits, business licences, development charges, etc.).
- c. **Operating Your Business:** This section includes relevant information for existing business owners and entrepreneurs within the municipality such as resources for hiring local talent, shop local initiatives, local business support organizations, etc.

-
- d. **Connect with Us:** Contact information for Invest Durham's Rural Economic Development Specialist is included should users have further questions or would like to discuss their investment opportunities in greater detail.
- 4.3 With support from administrative staff from each Township, Invest Durham's Rural Economic Development Specialist will be responsible for ensuring information and resources within the toolkit are kept up-to-date and new information is added as necessary.
- 5. Promoting the Business Toolkits**
- 5.1 A series of promotional post-cards have been created for each Township. The post-cards incorporate local branding/colours, logos, natural assets and local landmarks.
- 5.2 In addition, electronic graphics and matching banner images for the toolkit webpages have been developed to promote the toolkit online.
- 5.3 Planned activities to promote these toolkits include:
- a. Printing of business toolkit postcards and distribution to members of local Council and appropriate staff, to be available for distribution to businesses during meetings (e.g. grand openings, economic development business visits, etc.)
 - b. Distribution of printed postcards to local Chambers of Commerce, Boards of Trade, BIAs, and other offices/facilities where target audiences may visit
 - c. A social media campaign in partnership with northern area municipalities and business support organizations
 - d. Inclusion in economic development and township newsletters
 - e. Word-of-mouth

6. Relationship to Strategic Plan

- 6.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:

Goal 3: Economic Prosperity

- 3.1 Position Durham Region as the location of choice for business
- 3.2 Leverage Durham's prime geography, social infrastructure, and strong partnerships to foster economic growth

7. Conclusion

- 7.1 With the creation of local business toolkits to serve north Durham, the Townships of Brock, Scugog and Uxbridge are now equipped with a centralized resource for prospective investors and current business owners/entrepreneurs to source valuable resources and information.
- 7.2 As next steps, staff will work with area municipal representatives to share information about how to access and utilize the toolkits. Members of local Council and business support organizations will be instrumental in promoting these toolkits to the local business communities across north Durham.
- 7.3 This report will be sent to the Townships of Brock, Scugog and Uxbridge, as well as the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA).

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development



The Regional Municipality of Durham Report

To: Planning and Economic Development Committee
From: Commissioner of Planning and Economic Development
Report: #2023-EDT-6
Date: May 2, 2023

Subject:

Film Durham Event - How to Do Business with the Film and Television Industry

Recommendation:

Receive for information

Report:

1. Purpose

- 1.1 The purpose of this report is to inform Regional Council of the “How to Do Business with the Film and Television Industry” event held on February 23, 2023, hosted by the Economic Development and Tourism Division (Film Durham) and local municipal film liaisons.
- 1.2 This report will be accompanied by a staff presentation by Eileen Kennedy, Economic Development Specialist.

2. Background

- 2.1 Film and Television production is thriving throughout the province of Ontario, creating jobs and economic impact for local suppliers, vendors, and talent. Ontario had a record-breaking year in 2022 for film and television production, with 419 projects generating \$3.15 billion in production spending for live-action, post-production, visual effects, and animation work.

- 2.2 Durham Region offers a wealth of unique and diverse filming locations including Canada's largest backlot owned by William F. White, and TriBro Sandy Beach Studios. It is quickly growing as a preferred destination for the film and television industry.
- 2.3 Durham Region also had a record-breaking year in 2022 with 594 production days from 74 projects in the region. In comparison to 2021 this is an increase of 53% to production days and 37% more projects. In the past ten years since the Durham Region film office was formed, there has been a 165% increase in film and television production.
- 2.4 In 2021 and 2022, Durham Region supported the production of popular film and television series like Amazon Prime's 'The Boys', which became 2022's most-watched superhero program – and Sarah Polley's 'Women Talking', which has received international accolades, including two Oscar nominations and one win.
- 2.5 Examples of other recent productions shot in Durham include Flint Strong, Murdoch Mysteries, Jack Reacher, Gray, Pretty Hard Cases, Umbrella Academy, The Handmaid's Tale, The Way Home, Working Moms, and Star Trek: Brave New World.
- 2.6 Production companies active in Durham purchase a wide variety of goods and services from across the Greater Toronto Area, including equipment rentals, graphic design services, venue rentals, accommodations, transportation, food, personal services, post-production, parking facilities, costumes, construction, florists, and more. As most of these are available in Durham Region through local businesses, Economic Development and Tourism staff, alongside area municipal staff, developed this "How to Do Business With the Film and Television Industry" event to keep more of that economic impact within Durham's borders.
- 2.7 Film Durham and local area municipal film liaisons work closely together to create film-friendly communities, provide location scouting and facilitate film permits. Together, they provide seamless, efficient, and timely service to productions no matter where they are shooting in the region.
- 2.8 This event was a joint effort and is a great example of the partnership between government groups to attract, service, and support the film and television production industry. It also provided an avenue for local businesses to leverage the business opportunities provided by these projects.

3. Event Overview

- 3.1 How to Do Business with the Film and Television Industry was a free event for the Durham Region business community. Businesses who attended learned how to conduct business with the film and television industry in Durham Region—and beyond. It also provided an opportunity to connect with film industry professionals.
- 3.2 The event was held from 2:00 to 5:00 pm on Thursday, February 23 at the Chestnut Hill Developments Recreation Centre in City of Pickering.
- 3.3 Marketing began in December 2022 through social media by the Region as well as local municipalities, Chambers of Commerce, Boards of Trade, and Business Improvement Areas. In addition, a public and media advisory was released on behalf of partner groups via the Region of Durham and in-person presentations were made to the local business community.
- 3.4 The event received 240 registrations and in attendance was the Regional Chair, two regional councillors and one local councillor. Also in attendance was the Mayor of Port Hope and two representatives from the Canadian German Chamber of Industry and Commerce.
- 3.5 Local businesses that attended the event provide a wide range of products and services including picture cars, landscaping design, tourism services, entertainment insurance, caterers and restaurants, bus transportation, florists, vault storage, interior decorators, signage, construction, day spa, rentals and hotels.
- 3.6 The three-hour program included:
 - a. Film Durham industry overview and economic impact presentation;
 - b. Film Pickering presentation on the municipal experience;
 - c. Facilitated panel discussion with industry experts and audience question and answer period;
 - d. Networking opportunities; and
 - e. A reception with food and drink.
- 3.7 Panelists at the event included three Location Managers, a Production Manager and a Production Coordinator with experience working with feature film, television series and commercial productions.

3.8 Panelists engaged with the audience and covered topics such as: what type of products or services might be sourced locally, how the film industry develops relationships with vendors, who drives the purchasing process for local spending, and what flexibility is required to ensure a successful, typical filming day.

4. Post-Event and the Guide to Filming in Durham

4.1 Since the event, more than 40 companies have requested to be included in the Guide to Filming in Durham. Film industry professionals use this guide when planning to film in Durham Region. (See Attachment #1)

4.2 The Guide to Filming in Durham includes:

- a. An overview of the Durham Region Film Commission, as well as maps, guidelines, resources, industry unions and guilds, other film industry organizations and other useful information;
- b. A directory of 600 local businesses categorized by offering including accommodations, equipment, post-production, support services, transportation and more; and
- c. A location gallery showcasing a diverse selection of locations from every municipality in Durham Region.

4.3 Information was provided to the registrants on how to list their businesses in the Guide to Filming in Durham as well as the Ontario Production Guide (provincial directory) as an additional marketing opportunity. If interested, they were also given direction on how to list their business as a location for filming for potential revenue.

4.4 Based on the success of this event and the business community's interest in providing support services and products for the film and television industry, plans are underway for the event to be bi-annual with the next event planned for 2025.

4.5 Due to expressed interest in being a location for film production, the planning group is preparing a Locations Seminar to be held bi-annually in alternate years.

4.6 The Guide to Filming in Durham is an excellent resource to attract and support film-related investment and will be updated in 2023 to include businesses who expressed interest after participating in this event.

5. Previous Reports and Decisions

5.1 No previous reports or decisions have been issued regarding this subject.

6. Relationship to Strategic Plan

6.1 This report aligns with/addresses the following strategic goals and priorities in the Durham region Strategic Plan:

- a. Goal 3 – Economic Prosperity: To build a strong and resilient economy that maximizes opportunities for business and employment growth, innovation, and partnership.
 - Priority 3.1 - Position Durham Region as the location of choice for business
 - Priority 3.2 - Leverage Durham's prime geography, social infrastructure, and strong partnerships to foster economic growth
 - Priority 3.4 - Capitalize on Durham's strengths in key economic sectors to attract high-quality jobs

7. Conclusion

7.1 Durham Region's film and television industry creates significant local economic impact for the local economy. Film Durham, in partnership with area municipal film liaisons will continue to be proactive in building this sector and leveraging the opportunities it creates for local business owners.

8. Attachments

Attachment #1: Guide to Filming in Durham

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development

Recommended for Presentation to Committee

Original signed by

Elaine C. Baxter-Trahair
Chief Administrative Officer



Guide to Filming in
Durham Region
2020 - 2021 Edition



Find us online at [InvestDurham.ca/film](https://www.investdurham.ca/film)
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Guide to Filming in Durham Region

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McLaughlin Bandshell, Oshawa

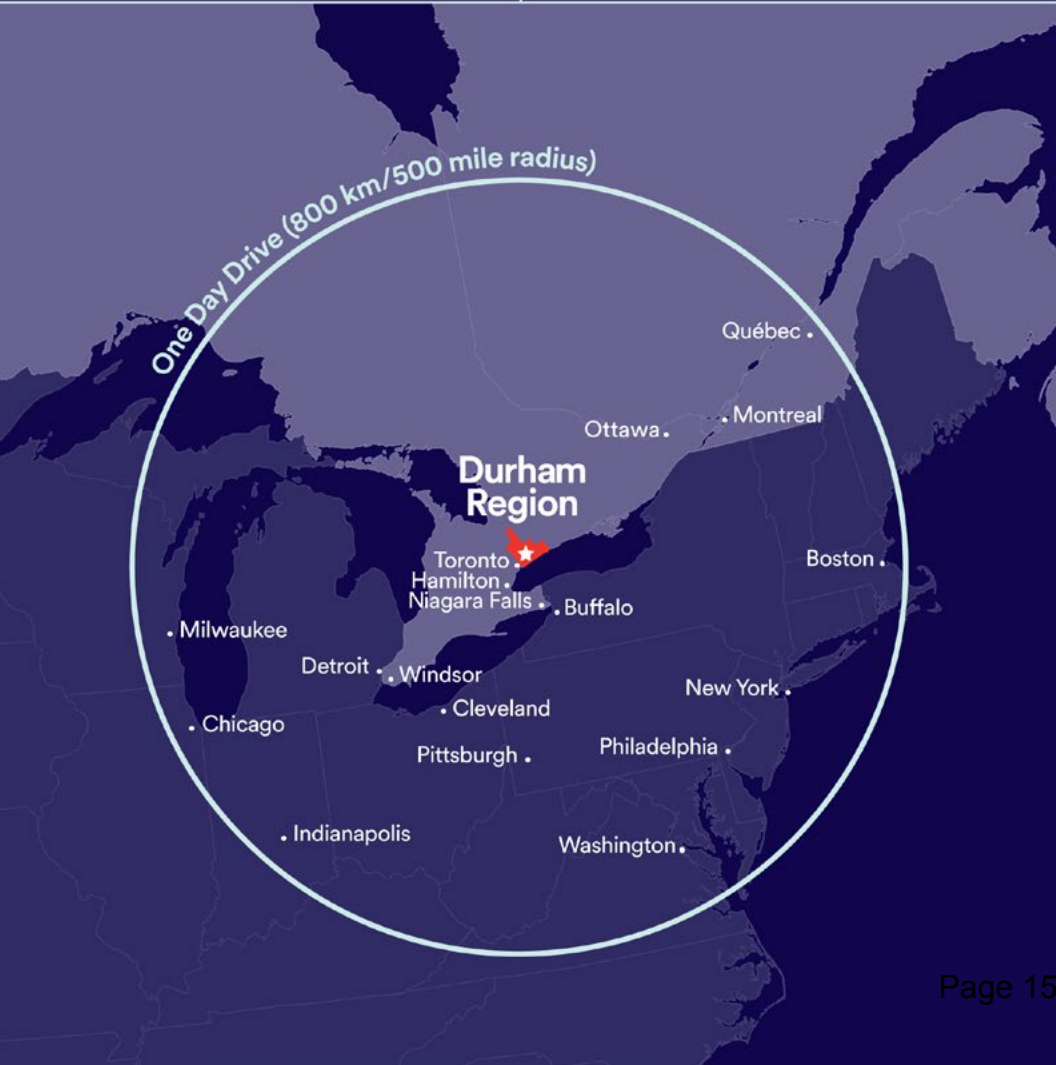


Abilities Centre, Whitby

Filming in Durham information



Durham Region



Durham Region plays an important role in Ontario's multi-billion-dollar film, television and digital media industry due to its proximity to Toronto's production studios, film industry workforce, supporting businesses and unique blend of film locations.



Frozen Lake, Scugog

Durham Region Film Commission

The Durham Region Film Commission (Film Durham) is set up under the Planning and Economic Development Department of The Regional Municipality of Durham.

The Regional Municipality of Durham is situated at the eastern gateway of the Greater Toronto and Hamilton Area (GTHA). It is made up of eight area municipalities including the cities of Oshawa and Pickering; the towns of Ajax and Whitby; the Municipality of Clarington; and the townships of Brock, Scugog and Uxbridge. The film, television and digital media industry in Durham has created a destination for production; and a coordinated approach between the Region and its eight area municipalities makes for a seamless experience.

Durham Region is a member of the Association of Film Commissioners International (AFCI), as well as a formally defined jurisdiction for the purpose of encouraging film and media activity to create jobs, business opportunities and educational opportunities.

Film Durham acts as a one-stop-shop for the industry. As the main point of contact, Film Durham focuses on the following film-related activities:

- To create and maintain an environment conducive to the long-term and healthy development of the film industry.
- Marketing of locations, local crew, equipment and expertise.
- Maintaining a resource centre and a dedicated website, with information about local rules and regulations related to location shooting and reference material on film production services.
- Location scouting support.
- Assisting/troubleshooting inbound productions.
- Organizing film-related events for promotion of the Durham Region film industry locally and abroad.
- Facilitating a film-ready workforce and community.

The Durham Region Film, Television and Digital Media Advisory Committee is composed of key representatives and sector champions from educational institutions, government, location assets, industry and labour. This group offers strategic advice on growing the film sector in Durham.

The region's film industry is supported by Ontario Creates (ontariocreates.ca). This group is the focal point for Ontario's creative media industries, offering resources, an online digital location library, funding information and relevant services.

Film industry overview

Ontario, and more specifically the Greater Toronto and Hamilton Area (GTHA), continues to be a centre of Canadian film, television and digital media production. Though primarily composed of small-to-medium-sized businesses, the film, television and digital media sector in the GTHA has become a multi-billion dollar industry.

Durham Region plays an important role in all aspects of Ontario's film, television and digital media industry (production, creators, music videos, festivals, commercials, etc.). Many of the production companies that come to Durham Region have established one of the largest screen-based production centres in North America. In 2019, Toronto had its ninth consecutive year of total production spending around the \$2 billion mark; jumping to a record \$2.2 billion for the year.

From 2012 to 2019 film and television production activity in Durham Region increased by 220% with an estimated total of \$252 million in production activity generated from 555 projects over 8 years.

Durham's natural, cultural and heritage assets offer a wide range of location choice for film production. These include picturesque bridges, urban streetscapes, and quaint downtowns; to quarries, museums, rural settings, abandoned factories and rustic train stations.

A robust pool of skilled technicians and trades is available, supported by strong post-secondary institutions that are producing creative and talented graduates. There are also approximately 600 professional services companies in Durham Region that are required by the film industry.

With the decreasing availability of film locations in Toronto, Durham Region, with its unique assets, provides for a great location choice. The close proximity to Toronto's film industry also offers the potential to significantly expand film production in Durham. Having appeared in many popular films and television series, Durham Region is the perfect place for film or any production.

Visit InvestDurham.ca/FilmLocations for the Film Durham—Digital Locations Portal. This online locations tour features films and television series previously filmed in Durham Region and unique locations that are available in the region.



Planning and guidelines

Film permits

A film permit is required for any locations that need road occupancy on Regional roads.

To download the online film permit application, visit durham.ca/permits.

Proper prior notification

When filming in a neighbourhood or business district within Durham Region, notification letters must be distributed to each merchant, resident or occupant in the filming area—a minimum of 48 hours before production arrives. This notification also pertains to the film crew's use of parking and/or base camp areas that may affect or inconvenience particular merchants, residents or occupants.

The notice must include:

- The name of the production company and title of the production.
- The production type (feature film, mini-series, television series, etc.).
- The type, duration and description of the filming activity:
 - *Dates, times and number of days involved.*
 - *How the activity may affect or disrupt the merchant or resident (e.g. road closures, loud noises, flashing lights, etc.).*
- A company contact, including the location manager and location assistant.

Production vehicle restrictions

- If the filming location is located in or near a residential area, production vehicles must arrive no earlier than the time shown on the film permit.
- Vehicles must park, one by one, turning off their engines as soon as possible.
- Cast and crew vehicles are not covered by the location filming permit. They need to park in designated parking areas, as noted by location managers.
- Filming in residential areas can only take place between 7 a.m. and 11 p.m. If this time needs to be changed, residents must approve it. Permits for authorized filming in residential areas between 11 p.m. and 7 a.m. will not be approved unless all residents have been notified in advance.
- Any non-production vehicles parked in the residential area cannot be moved or towed.
- Production vehicles are not to block or park in driveways, unless given prior permission by the driveway owner.

Eating, drinking and smoking on location

- No alcoholic beverages are allowed on a film set or location.
- Cast and crew must eat their meals in a designated area, as per the location agreement or permit.
- Trash must be disposed of within the proper receptacles.

- Cast and crew must observe the designated smoking areas.
- Cigarettes must be extinguished in the appropriate receptacles.

Trees and street signs

- Crew cannot remove, trim and/or cut any vegetation or trees unless approved in advance by the municipal authority or the property owner.
- Film crews are not to move or remove city street signs.

Noise

- Members of the cast and crew are to keep noise levels as low as possible.
- Cast and crew will not use rude or improper language.
- Production companies must comply with legislation governing noise.
- As set out above in “Proper prior notification,” all affected residents and merchants must be advised, in advance, of expected noise(s) associated with filming.

Lighting

- Lighting for filming should be oriented away from the neighbouring residences, unless the residents do not object.
- Lighting should not interfere with the safe movement of traffic.

- Night filming, with intensive lighting between 11 p.m. and 7 a.m., requires written approval by a majority of affected residents.

Etiquette

- Film company employees are to wear appropriate clothing while on location.
- Displaying offensive slogans and logos is not acceptable.
- Members of the crew must wear a production pass or badge while on location.
- Cast and crew cannot bring guests or pets to the location unless given prior permission by the production company.

Film permit application timelines

- The minimum turnaround time for the issuance of a film permit is 10 full business days from the date of application, although subject to change.
- Permits will be issued before the filming date and/or coning date (when cones are placed across a road to prevent traffic from going on the road).
- Changes to permits require 48 hours written notice to residents, businesses, Durham Region Works Department (Traffic Division) and the Film Office.
- Changes include adding streets, filming dates, wrap out dates and parking, special effects, changing blocks, extending filming/parking times, or any other significant filming component.

Guide to Filming in Durham Region

- In case of rain, rain dates should be added to the application.
- The Region reserves the right to refuse to issue a permit to a production company or individual with a known history of a failure to follow these guidelines.

Residents, occupants and businesses

- Production companies are required to keep their disruption of residents, occupants, businesses and government employees to a minimum.
- This responsibility includes not interfering with access to the offices, residences, or business premises; and ensuring that pedestrian and vehicular access to these properties is unimpeded.



Parkwood National Historic Site, Oshawa



Parkwood Billiard Room, Oshawa

Contacts and resources

Government agencies

Durham Region Film Commission

The Regional Municipality of Durham
605 Rossland Road East, P.O. Box 623
Whitby ON L1N 6A3

Phone 905-668-4113 ext. 2617
Cell 289-927-7119
Email eileen.kennedy@durham.ca
Website investdurham.ca/film

Town of Ajax

65 Harwood Avenue South, Ajax ON L1S 2H9

Phone 905-619-2529 ext. 3231
Email nadia.sukovski@ajax.ca
Website ajax.ca/film

Township of Brock

1 Cameron Street East, P.O. Box 10
Cannington ON L0E 1E0

Phone 705-432-2355
Email bjamieson@townshipofbrock.ca
Website townshipofbrock.ca

Municipality of Clarington

40 Temperance Street Bowmanville ON L1C 3A6

Phone 905-623-4356
Email akielbiski@clarington.net
Website clarington.net/filming

City of Oshawa

50 Centre Street South Oshawa ON L1H 3Z7

Phone 905-436-3311 ext. 2322
Email larshad@oshawa.ca
Website oshawa.ca/filming

City of Pickering

One The Esplanade Pickering ON L1V 6K7

Phone 905-420-4660 ext. 2050
Email chodge@pickering.ca
Website pickering.ca/filming

Township of Scugog

181 Perry Street, P.O. Box 780 Port Perry ON L9L 1A7

Phone 905-985-7346 ext. 132
Email lbowers@scugog.ca
Website scugog.ca/film

Township of Uxbridge

51 Toronto Street South, P.O. Box 190
Uxbridge ON L9P 1T1

Phone 905-852-9181 ext. 202
Email jmerrick@town.uxbridge.on.ca
Website uxbridge.ca/filming

Town of Whitby

575 Rossland Road East Whitby ON L1N 2M8

Phone 905-430-4300 ext. 2315
Email chrusc@whitby.ca
Website whitby.ca/filming

Telefilm Canada

Comprised of some 200 professionals passionate about Canadian content, Telefilm works to finance, develop and promote the Canadian audiovisual industry of today and tomorrow.

474 Bathurst Street Toronto ON M5T 2S6

Phone 416-973-6436
Website telefilm.ca

Ontario Creates

Ontario Creates is an agency of the Ontario Ministry of Tourism, Culture and Sport that promotes, enhances and leverages investment, jobs and original content creation in the province's book and magazine publishing, film and television, music and interactive digital media industries.

175 Bloor Street East, South Tower #501
Toronto ON M4W 3R8

Phone 416-314-6858
Website ontariocreates.ca

FilmOntario

FilmOntario is an industry-funded, non-partisan screen-based (film/interactive/television) consortium 30,000 strong; of companies, producers, unions, guilds, financial services and organizations within Ontario, and almost \$1.7 billion in direct economic activity annually.

625 Church Street, 2nd floor Toronto ON M4Y 2G1

Phone 416-642-6704
Website wvandco.com/filmontario

Ontario Ministry of Labour

The Ministry of Labour, through the Ontario Film and Television Safety committee, has developed specific safety guidelines for people working in this industry.

2275 Midland Avenue, Unit #1 Scarborough ON M1P 3E7

Phone 416-314-5300
Toll-free 1-800-531-5551
Website labour.gov.on.ca

Film permits

Durham Region Film Office

605 Rossland Road East, P.O. Box 623
Whitby ON L1N 6A3

Phone 905-668-4113 ext. 2617
Toll-free 1-800-706-9857
Email eileen.kennedy@durham.ca

Police services

Durham Region Police Service

605 Rossland Road East, 3rd floor, Box 911
Whitby ON L1N 0B8

Phone 905-579-1520 ext. 4352
Toll-free 905-666-1536
Email payduty@drps.ca

Fire Departments

Ajax Fire and Emergency Services

65 Harwood Avenue South, Ajax ON L1S 2H9

Phone 905-683-3050

Township of Brock Fire Department

1 Cameron Street East, P.O. Box 10
Cannington ON L0E 1E0

Phone 705-432-2355

Clarington Emergency and Fire Services

Senior Fire Prevention Officer, Station 1
2430 Highway 2, Bowmanville ON L1C 3K7

Phone 905-623-5126 ext. 2806

City of Oshawa, Fire Services

Chief Fire Prevention Officer
199 Adelaide Avenue West, Oshawa ON L1J 7B1

Phone 905-436-3311 ext. 3324

City of Pickering, Fire Services

Chief Fire Prevention Officer
1616 Bayly Street, Pickering ON L1W 3N2

Phone 905-839-9968

Township of Scugog Fire and Emergency Services

Fire Chief 30 Crandell Street, Port Perry ON L9L 1J6

Phone 905-985-2384

Town of Whitby Fire and Emergency Services

Chief Fire Prevention Officer
111 McKinney Drive, Whitby ON L1N 5R5

Phone 905-668-3312

Uxbridge Volunteer Fire Department

Fire Prevention Officer
301 Brock Street West, Uxbridge ON L9P 1M8

Phone 905-852-3393

Emergency services

Region of Durham Paramedic Services

4040 Anderson Street, Whitby ON L1R 3P6

Phone 905-665-6313

Toll-free 1-877-999-4336



Labourers and performers

Guilds

Directors Guild of Canada - Ontario (DGC)

DGC represents more than 1,400 creative and logistical personnel in the screen-based industry; covering all areas of direction, design, production, locations, accounting, sound and picture editing.

111 Peter Street #600, Toronto ON M5V 2H1

Phone 416-925-8200
Website dgc.ca/en/ontario

International Alliance of Theatrical Stage Employees International Cinematographers Guild(IATSE Local 667)

IATSE Local 667 represents camera professionals and unit publicists who work in all phases of motion picture productions—filmed or electronically recorded for theatrical feature films, films for television, television series, commercials, documentaries, Internet productions and corporate video productions, as well as working at live events.

229 Wallace Avenue, Toronto ON M6H 1V5

Phone 416-368-0072
Website iatse667.com/en

Screen Composers Guild of Canada (SCGC)

The SCGC is a national association of English-speaking professional music composers and producers for film, television and media.

41 Valleybrook Drive, Toronto ON M3B 2S6

Phone 416-410-5076
Website screencomposers.ca

WGC Writers Guild of Canada (WGC)

The WGC represents more than 2,200 professional English-language screenwriters across Canada.

366 Adelaide Street West, Suite 401,
Toronto ON M5V 1R9

Phone 416-979-7907
Website writersguildofcanada.com

Unions

International Alliance of Theatrical Stage Employees (IATSE Local 411)

IATSE Local 411 represents production co-ordinators, craft service providers and honey wagon operators, working in the film and television production industry in Ontario.

1315 Lawrence Avenue East #103 Toronto ON M3A 3R3

Phone 416-645-8025
Website iatse411.ca

International Alliance of Theatrical Stage Employees (IATSE Local 873)

IATSE Local 873 represents the most skilled, certified and experienced motion picture technicians in Toronto.

1315 Lawrence Avenue East #104, Toronto ON M3A 3R3

Phone 416-368-1873
Website iatse873.com

Ontario Film, Television and New Media Technicians (NABET 700 UNIFOR)

NABET 700 UNIFOR represents more than 1,000 film, television and digital media technicians in 15 different technical categories, within the Province of Ontario.

100 Lombard Street #203, Toronto ON M5C 1M3

Phone 416-536-4827
Website nabet700.com

Toronto Alliance of Canadian Cinema, Television + Radio Artists (ACTRA)

ACTRA Toronto represents more than 15,000 professional actors, background performers, choreographers, dancers, singers, puppeteers, stunt coordinators, stunt performers and others who work in live broadcast and recorded media.

625 Church Street, Toronto ON M4Y 2G1

Phone 416-928-2278
Website actratoronto.com

Toronto Musicians' Association (Local 149)

Local 149 of the American Federation of Musicians of the United States and Canada (AFM), represents more than 3,000 professional musicians working in film, broadcast, new media and live performance; covering all aspects of music performance, arranging, orchestration and music preparation.

15 Gervais Drive #500, Toronto ON M3C 1Y8

Phone 416-421-1020
Website tma149.ca

Union Des Artistes Toronto Bureau

This union represents French-language performers.

625 Church Street #103, Toronto ON M4Y 2G1

Phone 416-485-7670
Website uda.ca/bureau-de-toronto

Associations

Canadian Media Production Association (CMPA)

CMPA is Canada's leading trade association for independent producers, representing almost 400 companies engaged in the production and distribution of English-language television programs, feature films and digital media.

160 John Street, 5th Floor, Toronto ON M5V 2E5

Phone 416-304-0280
Website cmpa.ca

Computer Animation Studios of Ontario (CASO)

CASO is a non-partisan, not-for-profit industry association committed to the growth and international competitiveness of Ontario's animation and visual effects industry.

345 Adelaide Street West #600, Toronto ON M5V 1R5

Phone 1-647-715-9777
Website casont.ca

Supporting businesses
directory



Accommodation

Audette House Bed & Breakfast

Phone 905-983-8241
 Address 8080 Carscadden Road, Orono ON
 Brief Bed and breakfast, also antique store

Best Western Plus

Phone 905-723-5271
 Website bestwestern.com
 Address 559 Bloor Street West, Oshawa ON
 Brief Hotel for the general public as well as a banquet hall for rent

Birds Eye View Bed & Breakfast

Phone 905-983-9768
 Address 4360 Concession Road 8, Kendal ON
 Brief Relaxing bed and breakfast

Bon – Voyage Motel

Phone 905-655-5308
 Address 7645 Baldwin Street North, Whitby ON
 Brief Motel

Canadiana Inn

Phone 905-668-3686
 Website canadianainn.ca
 Address 732 Dundas Street East, Whitby ON
 Brief Motel

Clover Leaf Motel

Phone 905-723-7272
 Website cloverleafmotel.ca
 Address 214 Toronto Avenue, Oshawa ON
 Brief Motel

Comfort Inn Oshawa

Phone 905-434-5000
 Website choicehotels.com
 Address 605 Bloor Street West, Oshawa ON
 Brief Hotel

Comfort Inn Pickering

Phone 905-831-6200
 Website choicehotels.com
 Address 533 Kingston Road, Pickering ON
 Brief Hotel

Comfort Inn and Suites, Bowmanville

Phone: 905-623-6781
 Address: 5 Spicer Square, Bowmanville, ON
 Email: hanan.gm@comfortinnsuitesbowmanville.ca
 Brief: Hotel

Ganaraska Cottage B + B

Phone 519-465-1758
 Address 4609 Thertell Road, Clarington ON
 Brief Bed and breakfast

Greenwood Bed & Breakfast

Phone 905-424-2134
 Email ezingone@gmail.com
 Address 412 Taunton Road West, Ajax ON
 Brief Bed and breakfast

Hilton Garden Inn

Phone 905-686-9400
 Email jimmy.chan@hilton.com
 Website torontoajax.hgi.com
 Address 500 Beck Crescent, Ajax ON
 Brief Hotel

Holiday Inn Express Whitby

Phone 905-665-8400
 Email gm@expresswhitby.com
 Website expresswhitby.com
 Address 180 Consumers Drive, Whitby ON
 Brief Hotel

Holiday Inn Express & Suites Bowmanville

Phone 905-697-8089
 Email paulina@pomeroygroup.ca
 Website hiexpress.com
 Address 37 Spicer Square, Bowmanville ON
 Brief Hotel

Holiday Inn Express Oshawa

Phone 905-434-3666
 Website holidayinn.com
 Address 67 Simcoe Street North, Oshawa ON
 Brief Hotel

Homewood Suites Hilton

Phone 905-686-5969
 Email nitanth.suryanarayan2@hilton.com
 Website hilton.com
 Address 600 Beck Crescent, Ajax ON
 Brief Hotel

Joe-Lin Station B + B

Phone 905-263-8028
 Website joelinstation.ca
 Address 2969 Concession Road 8, Bowmanville ON
 Brief Bed and breakfast

La Quinta

Phone 905-571-1333
 Website laquintaoshawa.com

Address 63 King Street East, Oshawa ON
 Brief Hotel

Lakeridge Motel

Phone 905-668-8170
 Address 843 Dundas Street West, Whitby ON
 Brief Motel

Liberty Inn

Phone 905-623-5500
 Website libertyinn.ca
 Address 150 Liberty Street South, Bowmanville ON
 Brief Motel

Manchester Bed & Breakfast

Phone 905-985-2444
 Address 1320 King Street, Port Perry ON
 Brief Bed and breakfast

Model "A" Acres

Phone 905-263-4319
 Website modelaacres.com
 Address 7090 Middle Road, Clarington ON
 Brief Bed and breakfast

Moodies Motor Inn

Phone 905-683-1995
 Email moodies@hotmail.ca
 Address 778 Kingston Road West, Ajax ON
 Brief Motel and bar with off-track betting

Motel 6 Canada

Phone 905-665-8883
 Email m61907BO@motel6.com
 Address 165 Consumers Drive, Whitby ON
 Brief Motel

Our Valley View Bed & Breakfast

Phone 905-263-8889
 Email suites@ourvalleyviewbnb.com
 Website ourvalleyviewbnb.com
 Address 50 Barton Road, Enniskillen ON
 Brief Bed and breakfast

Pine Ridge Motel & Scoops

Phone 905-436-2080
 Address 1607 Regional Highway 2, Courtice ON
 Brief Motel and ice cream parlour

Quality Suites Whitby

Phone 905-432-8800
 Email jason.weir@whg.com
 Website choicehotels.ca/cn316
 Address 1700 Champlain Avenue, Whitby ON
 Brief Hotel

Residence Inn By Marriott Whitby

Phone 905-444-9756
 Email subash.ramkissoon@mangahotels.com
 Website residenceinn.com
 Address 160 Consumers Drive, Whitby ON
 Brief Hotel

San-Man Motel

Phone 905-985-2333
 Email sanmanmotelportperry@gmail.com
 Website sanmanmotel.ca
 Address 13601 Highway 7/12, Port Perry ON
 Brief Motel

Simcoe Solstice Bed and Breakfast

Phone 705-426-9995
 Website bbcanada.com

Address 13 Main Street, Beaverton ON
 Brief Bed and breakfast

Super 8 Motel

Phone 905-428-6884
 Email gm@ajaxsuper8.com
 Website super8.com
 Address 210 Westney Road South, Ajax ON
 Brief Motel

T. Arsenault Bed & Breakfast

Phone 905-986-0345
 Address 10750 Manvers Scugog Townline Road
 Scugog ON
 Brief Bed and breakfast

The Grant House

Phone 705-426-1296
 Website granthousebedandbreakfast.com
 Address 447 York Street, Beaverton ON
 Brief Bed and breakfast

The Hive Bed & Breakfast

Phone 877-999-2987
 Email contact@thehivebedandbreakfast.com
 Website thehivebedandbreakfast.com
 Address 3392 Concession Road 8, Leskard ON
 Brief Bed and breakfast

The Piano Cafe/The Piano Inn

Phone 905-982-0707
 Email christy@pianocafe.ca
 Website pianocafe.ca
 Address 217 Queen Street, Port Perry ON
 Brief Coffee house, restaurant and small hotel

Travelodge Oshawa

Phone 905-436-9500
 Website wyndhamhotels.com/travelodge
 Address 940 Champlain Avenue, Oshawa ON
 Brief Hotel and meeting rooms

Twin Oaks Motel

Phone 905-983-5856
 Address 3511 Concession Road 4, Orono ON
 Brief Motel

Equipment + raw stock**■ ■ ■ Camera + lighting + sound****Ajax Lighting**

Phone 905-428-8881
 Email info@ajaxlighting.com
 Website ajaxlighting.com
 Address 235 Bayly Street West, Ajax ON
 Brief Lighting retail

Apex Sound and Light

Phone 1 866-511-2739
 Email info@apexsound.com
 Website apexsoundandlight.ca
 Address 1845 Clements Rd Suite #100, Pickering ON
 Brief Sales, rental and installation of sound and lighting equipment

Audio Vision Plus

Phone 905-852-3855
 Website audiovisionplus.ca
 Address 5 Brock Street West, Uxbridge ON
 Brief Audio electronic systems

Construction Equipment Solutions

Phone 905-420-2243
 Email enquiries@ces-sales.com
 Website ces-sales.com
 Address 1064 Salk Road, Pickering ON
 Brief Marketing and distribution of light to medium construction equipment and supplies

Custom Sound & Light Systems

Phone 905-683-6715
 Website customsoundonline.com
 Address 520 Westney Road South, Ajax ON
 Brief Professional and commercial sound, lighting and projection

Durham Sprinkler People Ltd.

Phone 905-434-1833
 Website durhamsprinkler.ca
 Address 1015 King Street East, Oshawa ON
 Brief In-ground sprinkler systems - irrigation - outdoor lighting

Electrostar Supply and Trading Inc.

Phone 289-200-0574
 Address 105 Consumers Drive, Whitby ON
 Brief LED lighting whole sale supplier and distributor

Henry's

Phone 905-728-4631
 Website henrys.com
 Address 245 King Street West, Oshawa ON
 Brief Retail of photography equipment and digital imaging solutions

JencoCanada

Phone 905-492-5337
 Email jefflal@jencocanada.ca
 Website jencocanada.ca
 Address 1020 Brock Road, Pickering ON
 Brief Light store

Lenbrook Industries Limited

Phone 905-831-6333
 Email info@lenbrook.com
 Website lenbrook.com
 Address 633 Granite Court, Pickering ON
 Brief Music and sound system sales and distribution

Light Design Systems

Phone 1-855-323-4866
 Email lds@lightdesignsystems.com
 Website lightdesignsystems.com
 Address 1550 Bayly Street, Pickering ON
 Brief Stage lighting and audio equipment retail

Osso City Lighting Ltd.

Phone 905-404-6776
 Email info@ossolighting.ca
 Website ossolighting.ca
 Address 209 Bloor Street East, Oshawa ON
 Brief Retail - sells decorative light fixtures

Perceptive Listening

Phone 866-686-6733
 Email info@pl-av.com
 Website pl-av.com
 Address 1845 Sandstone Manor, Pickering ON
 Brief Audio visual equipment rental service

Profex Images Inc.

Phone 905-428-2712
 Email rose@profeximages.com
 Website profeximages.com
 Address 31 Beech Street, Ajax ON
 Brief Professional photography and digital services

System Music Warehouse

Phone 905-831-4969
 Email info@systemmusicwarehouse.com
 Website systemmusicwarehouse.com
 Address 512 Kingston Road, Pickering ON
 Brief Retail of musical audio gear

■■■ Captioning + video description**CHS Durham / Canadian Hearing Society Durham Branch**

Phone 1-866-518-0000
 Email info@chs.ca or translation@chs.ca
 Website chs.ca
 Address 575 Thornton Road North
 Braemor Centre Plaza Unit 7, Oshawa ON
 Brief Offers a digital captioning service for video, as well as live captioning for events

Graeme Powell Editing

Phone 905-809-3656
 Email graemepowellediting@gmail.com
 Website graemepowellediting.wordpress.com
 Address 31 Jones Street, Sunderland ON
 Brief Provides high-quality videography and video editing services

■ ■ ■ Cranes + lifts

Dwight Crane Rentals Ltd.

Phone 905-686-3333
 Website dwightcrane.com
 Address 131 Dowty Road, Ajax ON
 Brief Crane rentals

Gantrex

Phone 905-686-0560
 Website gantrex.com
 Address 12 Barr Road, Ajax ON
 Brief Manufacturing of heavy duty crane and crane runway products

Quality Collision East Inc.

Phone 905-428-1785
 Address 92 Orchard Road, Ajax ON
 Brief Truck bus and crane collision repair

Webco Material Handling Inc.

Phone 905-436-1958
 Email al.webb@bellnet.ca
 Website webcomaterialhandling.com
 Address 1621 McEwen Drive #26, Whitby ON
 Brief Hoist and crane sales, installation, and service

Whiskey Jack Crane

Phone 905-441-1759
 Website whiskeyjackcranes.com
 Address 1050 Farewell Street, Oshawa ON
 Brief Crane rental company

■ ■ ■ Edge coding + film cleaning

Graeme Powell Editing

Phone 905-809-3656
 Email graemepowellediting@gmail.com
 Website graemepowellediting.wordpress.com
 Address 31 Jones Street, Sunderland ON
 Brief Provides high-quality videography and video editing services

■ ■ ■ Generator + equipment rental

Battlefield Equipment Rental

Phone 905-427-5556
 Website battlefeldequipment.ca
 Address 400 Clements Road West, Ajax ON
 Brief Construction equipment rental and sales

Bobcat of Durham East Ltd.

Phone 905-404-9990
 Email jeff@bobcatofdurhameast.com
 Website bobcatofdurhameast.com
 Address 45 Cigas Road, Courtice ON
 Brief Sales, parts, services, and rentals of construction and landscape equipment

Brooklin Home Hardware

Phone 905-665-1739
 Website homehardware.ca
 Address 64 Baldwin Street, Brooklin ON
 Brief Retail of home appliances and hardware

CRS Contractors Rental Supply

Phone 905-576-1888
 Website sunbeltrentals.com

Address 1277 Wilson Road North, Oshawa ON
 Brief Equipment rentals, sales, service

eV Fern Ltd.

Phone 905-404-0123
 Email jpf@evfern.com
 Website evfern.com
 Address #5 1260 Terwillegar Avenue, Oshawa ON
 Brief Portable battery products for cinematography

Hertz Equipment Rental

Phone 905-404-8411
 Email customercare@hercrentals.com
 Website hercrentals.com/ca.html
 Address 411 Bloor Street West, Oshawa ON
 Brief Construction equipment rental and services

Home Depot | Pickering

Phone 905-421-2000
 Website homedepot.ca
 Address 1105 Kingston Road, Pickering ON
 Brief Hardware store

Home Depot | Whitby

Phone 905-655-2900
 Email justina_metcalf@homedepot.com
 Website homedepot.ca
 Address 4200 Garden Street, Whitby ON
 Brief Hardware store

Home Depot | Ajax

Phone 905-428-7939
 Website homedepot.ca
 Address 260 Kingston Road East, Ajax ON
 Brief Hardware store

Home Depot | Oshawa

Phone 905-743-5600
 Website homedepot.ca
 Address 1481 Harmony Road North, Oshawa ON
 Brief Hardware store

Home Depot | Whitby

Phone 905-571-5900
 Email tom_scholtz@homedepot.com
 Website homedepot.ca
 Address 1700 Victoria Street East, Whitby ON
 Brief Hardware store

Home Hardware | Sunderland

Phone 705-357-3456
 Website homehardware.ca
 Address 92 River Street, Sunderland ON
 Brief Hardware store

Home Hardware | Oshawa

Phone 905-240-7877
 Website homehardware.ca
 Address 400 King Street West, Oshawa ON
 Brief Hardware store

Home Hardware | Uxbridge

Phone 905-852-3591
 Website homehardware.ca
 Address 89 Brock Street West, Uxbridge ON
 Brief Hardware store

Home Hardware | Ajax

Phone 905-683-3471
 Website homehardware.ca
 Address 136 Harwood Avenue South, Ajax ON
 Brief Hardware store

Home Hardware | Newcastle

Phone 905-987-4552
 Email brian@newcastlehh.com
 Website homehardware.ca
 Address 15 King Avenue West, Newcastle ON
 Brief Hardware store

Home Hardware | Port Perry

Phone 905-985-2674
 Website homehardware.ca
 Address 175 Queen Street, Port Perry ON
 Brief Hardware store

J.D. Equipment Corp.

Phone 905-434-2553
 Email jdtrailer@bellnet.ca
 Website jdtrailer.ca
 Address 628 Howard Street, Oshawa ON
 Brief Retailer of trailers and trailer equipment, and equipment rentals

Pat's Rent-All

Phone 905-683-1631
 Email jtowns@patsrentall.com
 Website patsrentall.com
 Address 334 Westney Road South, Ajax ON
 Brief Small engine repair and equipment rental

Pine Ridge Rent-All

Phone 905-623-7368
 Website pineridgerentall.com
 Address 2845 King Street East, Bowmanville ON
 Brief Rental of lifting equipment, fencing, scaffolding, excavators, heavy machinery, etc.

Scugog Equipment Rental | Port Perry

Phone 905-985-4416
 Website scugogequipmentrentals.com
 Address 27 Easy Street, Port Perry ON
 Brief Small engine repairs

Scugog Equipment Rental | Uxbridge

Phone 905-852-4416
 Email scugogrentals@bellnet.ca
 Website scugogequipmentrentals.com
 Address 11 Douglas Road, Uxbridge ON
 Brief Equipment rentals, sales and service

Stephensons | Whitby

Phone 905-655-9051
 Email ssreven@stephensons.ca
 Website stephensons.ca
 Address 4071 Thickson Road North, Whitby ON
 Brief Rental centre

Stephensons | Ajax

Phone 905-683-1962
 Website stephensons.ca
 Address 57 Notion Road, Ajax ON
 Brief Industrial tool rental

Tim's Rent-All Ltd.

Phone 905-623-4321
 Website timsrentall.com
 Address 102 King Street West, Bowmanville ON
 Brief Rent equipment for home use and construction jobs

United Rentals

Website ur.com
 Address 463 Taunton Road East, Oshawa ON
 Brief Equipment and vehicle centre

Post production, VFX + animation

■ ■ ■ Music + sound effect libraries

Ineo Studios

Phone 647-292-3593
 Email brett@ineostudios.com
 Website ineostudios.com
 Address 282 Main Street North, Uxbridge ON
 Brief Recording studio, teaching suites, music hall

Late Gig Productions/LWM Canada

Phone 905-448-1020
 Website livewiremedia.ca
 Address 595 Wentworth Street East, Oshawa ON
 Brief Production company for musical events

Lenbrook Industries Limited

See Lenbrook Industries Limited p.38

Now and Then

Phone 905-240-9040
 Email info@oshawacentre.com
 Website oshawacentre.com
 Address 419 King Street West, Oshawa ON
 Brief Music, electronics and accessories

System Music Warehouse

See System Music Warehouse p.39

■ ■ ■ Music composers + supervisors

Act One School Of Drama

Phone 905-420-8129
 Website actonedrama.com
 Address 1755 Plummer Street, Pickering ON
 Brief Acting and theatre lessons

Upscale Music Studios

Phone 905-926-1145 or 905-259-3285
 Email upscale.music.studios@gmail.com
 Website upscalemusicstudios.com
 Address 15 Harmony Rd. North, Oshawa ON
 Brief Provides musical training on a private level, featuring many different types of instruments

■ ■ ■ Photo labs + photography

4k Prints

Phone 905-576-3651
 Website fourkprints.ca
 Address 212 King Street East, Oshawa ON
 Brief Large format, CAD printing, scanning and photocopying

Captura Photography and Imaging

Phone 647-267-9455
 Email info@capturaphoto.ca
 Website capturaphoto.ca
 Address 23 Shore Avenue, Whitby ON
 Brief Photography services

Carbon + Craft

Phone 905-626-7997
 Email christine@carbonandcraft.com
 Website carbonandcraft.com
 Address 103B Old Kingston Road Suite 203, Ajax ON
 Brief Photography services

Geek Girl Media

Phone 905-983-5336
 Website geekgirlmedia.ca
 Address 5323 Main Street, Orono ON

Brief Social media management, web design, technology workshops, printing services, product photography and video production

Henry's

See Henry's p.37

Jonathan van Bilsen's Photos N Travel

Phone 905-925-1343
 Email info@photosntravel.com
 Website photosntravel.com
 Address 188 Mary Street, Scugog ON
 Brief Full photographic studio and fine art printing

Jordan Starr Photography

Phone 705-340-3833
 Website jordanstarrphotography.com
 Address C1230 Brock Concession Road 14
 Cannington ON
 Brief Photography services

Kelly Lea Photography Studio

Phone 905-259-2552
 Email kellyleaconnor@gmail.com
 Website kellyleaphotography.ca
 Address 15 Harmony Road North, Oshawa ON
 Brief Photography services

Lifetouch Canada Inc.

Phone 905-571-1103
 Email jimccann@lifetouch.com
 Website lifetouch.ca
 Address 350 Wentworth Street East, Oshawa ON
 Brief Photography services

Magic Portraits

Phone 905-576-9526
 Email evan@magicportraits.net
 Website magicportraits.net
 Address 695 Townline Road North, Courtice ON
 Brief Photography studio and off-site photography service

Photo Studio

Phone 905-831-6301
 Website photolab.ca
 1792 Liverpool Road, Pickering ON
 Brief Photography services

PMW Case Sales

Phone 905-697-9600
 Address 906 Brock Road, Pickering ON
 Brief Office and photocopying supplies

Portrait Studio | Walmart

Phone 905-852-0337
 Website walmart.ca
 Address 6 Welwood Drive, Uxbridge ON
 Brief Photography services

Prism Instruments

Email danwilliams@prisminstruments.com
 Website prisminstruments.com
 Address 1885 Clements Road, Pickering ON
 Brief Sales and service of lab equipment, including spectrophotometers

Profex Images Inc.

See Profex Images Inc. p.39

Stacey Lee-Robson Photography

Phone 905-903-9169
 Website slrphotography.biz
 Address 382 Simcoe Street North, Oshawa ON
 Brief Photography service

The Photographic Group

Phone 905-697-1776
 Website thephotographicgroup.net
 Address 2480 Rundle Road, Bowmanville ON
 Brief Photography services

Think Again Photography

Phone 289-355-0737
 Website thinkagainweb.com
 Address 2870 Rundle Road, Bowmanville ON
 Brief Photography services

Trinity Design

Phone 905-925-7529
 Email trinitydesign@rogers.com
 Website trinitydesign.ca
 Address 202 Lee Ave, Whitby ON
 Brief Photography services

Wright Web and Photography

Phone 905-852-9520
 Website wrightwebphoto.com
 Address 11 Remion Crescent, Uxbridge ON
 Brief Photography and web design services

■■■ Sound and film post production**1DA BOI Production Inc.**

Phone 905-493-7000
 Address 519 Dundas Street East, Whitby ON
 Brief Music production company

Big Kid Entertainment Inc.

Phone 416-780-9008
 Website bigkidentertainment.com
 Address 900 Hopkins Street, Whitby ON
 Brief Professional production company specializing in educational in-school theatre

Footsteps Post-production Sound Inc.

Phone 905-852-2544
 Email info@footstepsfoley.com
 Website footstepsstudios.com
 Address 363 Regional Road #1, R.R.1, Uxbridge ON
 Brief Foley services for all types of productions; feature films, IMAX films, TV, animation, documentaries and video games

Ineo Studios

See Ineo Studios p.46

Late Gig Productions

See Late Gig Productions p.46

Murmr Media

Phone 905-579-5102
 Email jonah@murmrmedia.com
 Website murmrmedia.com
 Address 80 Ardwick St, Whitby ON
 Brief Production and Post-Production Company

Pine Post Productions

Phone 905-571-3223
 Email info@pinepost.com
 Website pinepost.com
 Address 423 Bloor Street West, Oshawa ON
 Brief Produces television, commercial advertisements and radio programs

The Music Scene

Phone 905-430-0043
 Website themusicscene.ca
 Address 1916 Dundas Street East, Whitby ON
 Brief Recording studio

The Sound Lab | Pickering

Phone 289-892-4384
 Email steve@thesound-lab.com
 Website thesound-lab.com
 Brief Audio engineer

Special effects**Wizard Fireworks**

Phone 905-509-4864
 Email wizardfireworks@sympatico.ca
 Website wizardfireworks.ca
 Address 200 Fuller Road, Ajax ON
 Brief Fireworks warehouse and retail

Video playback**Graeme Powell Editing**

Email graemepowellediting@gmail.com
 Website graemepowellediting.wordpress.com
 Address 31 Jones Street, Sunderland ON
 Brief Provides high-quality videography and video editing services

Support services**Animal services****Cedar Valley Pet Resort**

Phone 905-786-3093
 Website cedarvalleypetresort.com
 Address 4302 Cedar Valley Road, Orono ON
 Brief Boarding, grooming, daycare and training

Churchill Chimes Equestrian Centre

Phone 905-642-1120
 Email churchillchimes@gmail.com
 Website churchillchimes.ca
 Address 246 Webb Road, Uxbridge ON
 Brief Equestrian centre, lessons, boarding and training

Colebrook Farms - Training Centre and Stallion Division

Phone 647-389-3206
 Website colebrookfarms.com
 Address 6270 Concession 5, Uxbridge ON
 Brief Stallion centre and horse training centre

DK Training Centre

Phone 905-260-5637
 Email dktackandsupply@hotmail.com
 Website dktackandsupply.com
 Address 6140 Regional Road 57, Bowmanville ON
 Brief Quarter horse and equestrian centre

Dogs on Campus

Phone 905-449-6017
 Email training@dogsoncampus.com
 Website dogsoncampus.com
 Address 190 Waterloo Court, Oshawa ON
 Brief Dog obedience training

Dreamcrest Equestrian Services

Phone 905-985-1599
 Email kelly@dreamcrest.com
 Website dreamcrest.com
 Address 2130 Shirley Road, Scugog ON
 Brief Equestrian services including boarding, training, sales and coaching

Kendal Hills Kennels & Game Farm

Phone 905-983-5465
 Website kendalhills.ca
 Address 8075 Maynard Road, Kendal ON
 Brief Fully licensed boarding and kennel facility; bed and breakfast, and game farm

Sundance Meadows

Phone 705-357-2725
 Email sundancemeadows@live.ca
 Website sundancemeadows.webs.com
 Address 2315 Brock Concession Road 1, Brock ON
 Brief Mobile petting zoo

Who's Walking Who Dog Obedience

Phone 905-619-1733
 Email info@whoswalkingwho.ca
 Website whoswalkingwho.ca
 Address 889 Westney Road South, Ajax ON
 Brief Dog training centre

■■■ Art supply**Ceramics Canada**

Phone 905-728-6939
 Email tanya@ceramicscanada.com
 Website ceramicscanada.com
 Address 385 Bloor Street West, Oshawa ON

Brief Retail of ceramic pieces and provides lessons on how to work with ceramics

Curry's Artists' Materials

Phone 905-728-2868
 Email whitby@currys.com
 Website currys.com
 Address 1650 Dundas Street East, Whitby ON
 Brief Retail of new art products such as paint brushes and canvases

DeSerres

Phone 905-428-2555
 Email cstartek@deserres.ca
 Website deserres.ca
 Address 1899 Brock Road, Pickering ON
 Brief Arts and crafts store

Durham Custom Wood Décor

Email info@durhamcustomwooddecor.com
 Website durhamcustomwooddecor.com
 Address 200 Valencia Road Unit 11, Oshawa ON
 Brief Custom made wood signs and private and public workshop opportunities.

Michaels

Phone 905-429-2230
 Website locationsca.michaels.com/on/oshawa
 Address 1461 Harmony Road North, Oshawa ON
 Brief Arts and crafts store

Michaels

Phone 905-837-0933
 Website locationsca.michaels.com/on/pickering
 Address 1101 Kingston Road, Pickering ON
 Brief Arts and crafts store

Michaels

Phone 289-316-0682
 Website locationsca.michaels.com/on/whitby
 Address 1751 Victoria Street East, Whitby ON
 Brief Arts and crafts store

RayPlex Ltd.

Phone 905-579-1433
 Email info@fibreglass.com
 Website rayplex.ca
 Address 341 Durham Court, Oshawa ON
 Brief Offers an assortment of products from moulding materials, fibreglass material, as well as prop repairs

■ ■ ■ Bond companies + accounting**Henninger Insurance and Financial**

Phone 905-571-1042
 Website henningerinsurance.com
 Address 337 King Street West, Oshawa ON
 Brief Insurance and financial services

Home Life Financial Solution Centre

Phone 905-425-4537
 Email lori@hlf4u.com
 Website hlf4u.com
 Address 17 Baldwin St Unit 103, Whitby ON
 Brief Insurance and financial services

McDougall Insurance & Financial

Phone 905-723-1169
 Website mcdougallinsurance.com
 Address 379 Bond Street West, Oshawa ON
 Brief Insurance and financial services

SecureCare Capital

Phone 647-977-9033
 Website securecare.ca
 Address 1099 Kingston Road, Pickering ON
 Brief Provide bonds to investors

State Farm Insurance

Phone 905-852-9300
 Website insurancenicole.com
 Address 28 Toronto Street South, Uxbridge ON
 Brief Insurance and financial services

Steve Worden State Farm Agent

Phone 905-433-370
 Website steveworden.com
 Address 3455 Garrard Road, Whitby ON
 Brief Insurance and financial services

The Callery Group

Phone 905-985-4028
 Website callerygroup.com
 Address 204 Casimir Street, Scugog ON
 Brief Insurance and financial services

The Callery Group

Phone 905-430-7444
 Website callerygroup.com
 Address 1022 Brock Street South, Whitby ON
 Brief Insurance and financial services

The Cooperators

Phone 905-728-4141
 Website cooperators.ca
 Address 1614 Dundas Street East, Whitby ON
 Brief Insurance and financial services

W.B. White Insurance Limited

Phone 905-576-6400
 Website wbwhite.com
 Address 110 King Street East, Oshawa ON
 Brief Insurance and Financial services

Worden Insurance and Financial Services

Phone 905-579-1317
 Email insurance@worden-insurance.com
 Website worden-insurance.com
 Address 172 King Street East, Oshawa ON
 Brief Insurance and financial services

■■■ Cartage + storage + moving**Arksey Lumber**

Phone 705-432-2521
 Website arkseylumber.com
 Address 1830 Cameron Street West, Cannington ON
 Brief Open storage and warehouse, sells lumber and wood products

■■■ Casting**ABS Crew**

Phone 416-998-4158
 Website abscrew.com
 Address 817 Brock Road, Pickering ON
 Brief Professional multi-talented performers

Prodigy

Phone 289-923-3010
 Email prodigydancearts@gmail.com
 Website prodigydanceandperformingarts.com
 Address 376 Kingston Road, Pickering ON
 Brief Dance and performing arts

Splash Model Marketing

Phone 905-686-9841
 Email jenn@splashmm.com
 Website splashmm.com
 Address 1400 Bayly Street, Pickering ON
 Brief Modeling marketing agency

■■■ Catering**Ann's Deli And Catering**

Phone 905-723-4111
 Website annsdeli.ca
 Address 650 King Street East, Oshawa ON
 Brief Deli, bakery and catering

Big Bone BBQ & Wicked Wings

Phone 905-493-7427
 Email info@bigbonebbq.ca
 Website bigbonebbq.ca/whitby
 Address 701 Rossland Road East, Whitby ON
 Brief BBQ, smoked meats and catering

Calvert Catering Services

Phone 416-755-5244
 Email cott@calvertcatering.com
 Website calvertcatering.com
 Address 1750 Plummer Street, Pickering ON
 Brief Catering services

Chanterelle Bistro

Phone 905-623-8772
 Email chanterelle@rogers.com
 Website bistrochanterelle.com
 Address 33 Division Street, Bowmanville ON
 Brief French restaurant and catering services

Coco Cake Co.

Phone 905-420-5191
 Website cococakeco.com
 Address 774 Liverpool Road, Pickering ON
 Brief Cake designs, wedding catering and decorative bakery

Cordon Sue's Cakes & Catering

Phone 905-668-2722
 Email cordonsue@gmail.com
 Website cordonsuesweets.com
 Address 215 Mary Street East, Whitby ON
 Brief Cakes and catering services

Dine and Style

Phone 905-231-1654
 Website dineandstyle.com
 Address 490 Waterloo Court, Oshawa ON
 Brief Fine catering and events

Dinner & Company

Phone 289-991-3030
 Website dinnerandcompany.ca
 Address 185 Thickson Road South, Whitby ON
 Brief Take-out and catering restaurant

WhistleStop Pizzeria & Durham Homestyle Catering

Phone 905-655-5655
 Website whistlestoppizzeria.ca
 Address 9550 Baldwin St N, Ashburn ON
 Brief Catering, sandwiches, rotisserie chicken

Eat Savage

Phone 855-833-3243
 Email huntgatherdevour@eatsavage.ca

Website eatsavage.ca
 Address 40 Simcoe Street North, Oshawa ON
 Brief Paleo meal delivery, catering and kitchen rental

Farm and Wild

Phone 416-844-3634
 Website farmandwild.com
 Address 1121 Dundas Street East, Whitby ON
 Brief Catering services

Frantastic Treats

Phone 905-493-2387
 Email fran.steyn@frantasticevents.ca
 or info@frantasticevents.ca
 Website frantasticevents.ca
 Address 105 Consumers Dr, Whitby ON
 Brief Catering services

Get Baked Food

Phone 705-357-3028
 Email get.baked@mail.com
 Website getbakedfood.com
 Address 5 Waddell Street, Sunderland ON
 Brief Catering services

Heritage House Catering

Phone 289-314-9870
 Website heritagehousecatering.ca
 Address 479 Kingston Road West, Ajax ON
 Brief Catering services

Island Mix Restaurant & Lounge

Phone 905-831-1649
 Website islandmix.ca
 Address 1050 Brock Road, Pickering ON
 Brief Catering services

KCC Gourmet and Catering Inc.

Phone 905-623-4277
 Website kccgourmetcatering.com
 Address 182 Wellington Street, Bowmanville ON
 Brief Catering services

La Roya Banquet Hall

Phone 905-426-7692
 Email laroyabanquethall@gmail.com
 Address 185 Westney Road South, Ajax ON
 Brief Banquet hall and catering services

My Place

Phone 905-725-9236
 Address 376 Wilson Road South, Oshawa ON
 Brief Bar and grill, licensed restaurant, catering services

Pelican Events and Catering

Phone 905-728-5167
 Email info@pelicanevents.ca
 Website pelicanevents.ca
 Address 804 Ritson Road North, Oshawa ON
 Brief Catering services

Pilar's Catering

Phone 905-556-0087
 Email pilar@pilarscatering.ca
 Website pilarscatering.ca

Address 1115 Wentworth Street West, Oshawa ON
 Brief Catering services

S & S Homestyle Fried Chicken

Phone 905-404-4441
 Email gorgeouspeakpark@gmail.com
 Website facebook.com/snsfriedchicken
 Address 621 King Street East, Oshawa ON
 Brief Fried chicken restaurant with delivery and catering

Sabrina's Catering Co.

Phone 905-240-4489
 Website sabinascateringco.com
 Address 312 Stevenson Road North, Oshawa ON
 Brief Catering services

The Old Newcastle House

Phone 905-987-4200
 Email theoldnewcastlehouse@gmail.com
 Website theoldnewcastlehouse.com
 Address 119 King Avenue West, Newcastle ON
 Brief Pub and bar, family dining, special events and catering services

■■■ Charter

CCT Auto Trans Inc.

Phone 905-433-4799
 Website cctautotrans.ca
 Address 1960 Baseline Rd, Courtice ON
 Brief Vehicle transportation services

Durhamway Bus Lines

Phone 905-433-1392
 Website durhamwaybuslines.ca
 Address 485 Waterloo Court, Oshawa ON
 Brief Headquarters for bus charter company; rentals for organizations, public and contracts for schools

Kerr Travel & Tours

Phone 905-985-8010
 Website kerrtravel.ca
 Address 11601 Simcoe Street, Scugog ON
 Brief Specializing in motor coach travel

Whitby Yacht Club

Phone 905-668-1391
 Website wyc.ca
 Address 701 Gordon Street, Whitby ON
 Brief Whitby Yacht Club

■■■ Coaching + acting**ABS Crew**

See ABS Crew p.58

Act One School Of Drama

See Act One School Of Drama p.46

Ana-Marie's Dance Academy

Phone 905-556-0226
 Email anamaria@inspirationalsteps.com
 Website inspirationalsteps.wordpress.com
 Address 309 Beech Street West, Whitby ON
 Brief Dance Academy

Brooklin Dance Academy

Phone 905-655-9774
 Email office@brooklindanceacademy.com
 Website brooklindanceacademy.com
 Address 200 Carnwith Dr E, Whitby ON
 Brief Dance Academy

Durham Improv Collective Inc.

Phone 647-899-3342
 Email info@durhamimprov.com
 Website durhamimprov.com
 Address Keller Williams Building
 360 King Street West, Oshawa ON
 Brief Improv centre

Hoofers Performing Arts

Phone 905-404-1779
 Email diane@hoofersperformingarts.com
 Website hoofersperformingarts.com
 Address 66 Russett Avenue, Oshawa ON
 Brief Tap, jazz, ballet, acro, hip hop and Iris dance

Living Arts Academy

Phone 905-442-7241
 Email acaedmy.livingarts@gmail.com
 Website facebook.com/livingartsacademy
 Address 185 Brock Street North, Whitby ON
 Brief Dance, music, drama

Prima Ballet School

Phone 905-425-2868
 Website primaballetschool.ca
 Address 58 Baldwin Street, Brooklin ON
 Brief Dance, music, musical theatre, kindermusik, RAD ballet, jazz, tap, hip hop, lyrical

Prodigy

See Prodigy p.58

■■■ Colour correction**Geek Girl Media**

See Geek Girl Media p.47

Graeme Powell Editing

See Graeme Powell Editing p.52

■■■ Communication equipment + electrical contractors**ATX**

Phone 905-428-6068
 Website atxnetworks.com
 Address 501 Clements Road West, Ajax ON
 Brief Designs, manufactures, markets and delivers products to the global cable television industry

Bell

Phone 905-428-5517
 Website bell.ca
 Address 22 Rotherglen Road South, Ajax ON
 Brief Dispatches Bell technicians to repair malfunctioning equipment

Black & Macdonald Ltd.

Phone 905-837-1291
 Email psullivan@blackandmcdonald.com
 Website blackandmcdonald.com
 Address 81 Osborne Road, Courtice ON
 Brief Electrical contractor

Brooklin Electric Co. Ltd.

Phone 905-665-0002
 Email rhooper@brooklinelectric.com
 Website brooklinelectric.com
 Address 628 Kent Street, Whitby ON
 Brief Electrical contractor

C. Hunter Electrical

Phone 905-831-6122
 Website chunter.ca
 Address 905 Dillingham Road, Pickering ON
 Brief Electrical contractor

Captain Electric

Phone 905-683-4195
 Email info@captainelectric.ca
 Website captainelectric.ca
 Address 1885 Clements Road, Pickering ON
 Brief Electrical contractor

Custom Sound & Light Systems

See Custom Sound & Light Systems p.37

Durham Electric and Equipment Co. Ltd.

Phone 905-683-8596
 Email creid@durham-electric.com
 Website durham-electric.com
 Address 1885 Clements Road, Pickering ON
 Brief High voltage maintenance, repairs, servicing

Fitzpatrick Electrical Contractor Inc.

Phone 905-686-1661
 Website fitze.ca
 Address 41 Maple Street, Uxbridge ON
 Brief Electrical contractor

Freedom Mobile

Phone 905-239-0140
 Website freedommobile.ca
 Address 235 Bayly Street West, Ajax ON
 Brief Cellphone company

HTC Electrical

Phone 905-420-9400
 Website htc-electric.com
 Address 1295 Wharf Street, Pickering ON
 Brief Electrical contracting firm

McTeague Electric

Phone 905-434-2400
 Email doug@mcteagueelectric.com
 Website mcteagueelectric.com
 Address 2100 Forbes Street, Whitby ON
 Brief Electrical contracting

Orbit Electrical Contractors

Phone 905-571-2977
 Address 104 Bloor Street East, Oshawa ON
 Brief Electrical contractor

Randall Industrial Electric Inc.

Phone 905-433-9955
 Website randallelectric.ca
 Address 2020 Wentworth Street, Whitby ON
 Brief Electrical contractors

SC360

Phone 905-470-6087
 Email contact@sc360.com
 Website sc360.com
 Address 377 MacKenzie Avenue, Ajax ON

Brief Rogers cable tv boxes, satellites, internet modems, technicians

SmartNet Developments

Phone 905-449-2886
 Website sndi.ca
 Address 330 Marwood Drive, Oshawa ON
 Brief Electrical contractor

Smith Electric

Phone 905-435-0100
 Email smithelectric@bellnet.ca
 Address 1333 Boundary Road, Oshawa ON
 Brief Electrical contractor

Surefoot Electric Inc

Phone 905-579-2690
 Email info@surefootelectric.com
 Website surefootelectric.com
 Address 2020 Wentworth Street, Whitby ON
 Brief HVAC, electrical, PA systems

Synapse Electric Ltd.

Phone 905-428-6263
 Website synapseelectric.com
 Address 1895 Clements Road, Pickering ON
 Brief Electrical contracting

Telus

Phone 905-426-2540
 Address 100 Kingston Road East, Ajax ON
 Brief Internet and mobile service provider retailer

The Source

Phone 905-576-8952
 Address 419 King Street West, #4114, Oshawa ON
 Brief Electronics retailer

Torbram Electric Supply

Phone 905-839-5161
 Email spage@torbramelectric.com
 Website torbramelectric.com
 Address 1735 Bayly Street, Pickering ON
 Brief Electronics retailer

Townsend Electric Ltd.

Phone 905-723-2343
 Address 767 Simcoe Street South, Oshawa ON
 Brief Electronics retailer

Vickery Electric

Phone 905-668-1108
 Email john@vickeryelectric.com
 Website vickeryelectric.com
 Address 601 Victoria Street East, Whitby ON
 Brief Residential, commercial, industrial, or marine electrical servicing

■ ■ ■ Construction + contracting**Above the Rest Handy Guys**

Phone 705-357-2002
 Address 31 Albert Street South, Sunderland ON
 Brief General contracting

Accl Group Ltd.

Phone 905-448-5909
 Website acclgroup.com

Address 124 Wilson Road South, Oshawa ON
 Brief Waterproofing and renovation contractors

All Custom Carpentry

Phone 416-278-4614
 Website all-custom-carpentry.com
 Address 1278 Commerce Street, Pickering ON
 Brief Custom renovations company that specializes in second-storey additions

APS Interiors Inc.

Phone 905-683-4160
 Address 1895 Clements Road, Unit 110, Pickering ON
 Brief General construction

B. Fayer and Son Construction Ltd.

Phone 905-432-2345
 Address 555 Thornton Road South, Oshawa ON
 Brief General construction

BAS Contractors

Phone 416-621-9100
 Email info@bascontractors.com
 Website bascontractors.com
 Address 1895 Clements Road, Unit 123, Pickering ON
 Brief General contracting

Best Way Stone

Phone 905-640-5845
 Email info@bestwaystone.com
 Website bestwaystone.com
 Address 63 Anderson Boulevard, Uxbridge ON
 Brief Construction company

Bob Eades Home Improvements

Phone 705-341-1568
 Address B30 Brock Concession Road 14
 Port Bolster ON
 Brief Home renovation services

Bobcat of Durham East Ltd.

See Bobcat of Durham East Ltd. p.41

Bowmanville Wood Products Inc.

Phone 905-623-8383
 Email bowmanvillewoodproducts@bellnet.ca
 Address 261 Baseline Road East, Bowmanville ON
 Brief Lumber wholesaler and distributor

Burke's Restoration

Phone 905-492-3354
 Email info@burkesrestoration.com
 Website burkesrestoration.com
 Address 1735 Bayly Street, Pickering ON
 Brief General contracting / fire and water restoration

Capital Contracting

Phone 905-430-6480
 Email info@capcont.com
 Website capcont.com
 Address 750 Hopkins Street, Whitby ON
 Brief General contractor

Cartcon General Contracting Ltd.

Phone 905-649-8510
 Email bruce@cartcongc.com
 Address 5014 Old Brock Road, Claremont ON
 Brief General contractor

Cedar Creek Contracting

Phone 905-985-2957
 Email cedarcreekcontracting@bellnet.ca
 Website cedarcreekgeneralcontracting.com
 Address 139 Reach Industrial Park Road #5
 Port Perry ON
 Brief General contractor

Clarington Contracting Services

Phone 905-432-1881
 Website claringtoncontracting.com
 Address 356 Dean Avenue, Oshawa ON
 Brief General contracting

Dicon Construction

Phone 416-841-5082
 Email diconconstruction@rogers.com
 Website dicon.com
 Address 277 3rd Conc, Pickering ON
 Brief Construction company

Direct Timber Inc.

Phone 905-433-7210
 Email chuck@directtimber.ca
 Address 1181 Thornton Road South, Oshawa ON
 Brief Wholesale lumber and plywood

Domain Design Inc.

Phone 416-560-2647
 Website domaindesigninc.com
 Address 257 Ashworth Road, Uxbridge ON
 Brief General contractors

E.S. Fox Constructors Ltd. Whitby

Phone 905-723-7890
 Email info@esfox.com
 Website esfox.com
 Address 153 Crown Court, Whitby ON
 Brief Construction company

ELMM Developments

Phone 289-927-3216
 Address 30 Caristrap Street, Bowmanville ON
 Brief Construction company

Empire General Contracting

Phone 905-720-3688
 Email empiregcmktg@gmail.com
 Address 712 Wilson Road South, Oshawa ON
 Brief Contractors

Evergreen Farm & Garden Ltd.

Phone 905-983-9119
 Email tom@teamevergreen.com
 Website teamevergreen.com
 Address 3242 Taunton Road, Orono ON
 Brief Agricultural, construction, and property maintenance equipment parts and services

Four by Four

Phone 905-428-2789
 Email fourbyfourlandscape@hotmail.com
 Website fourbyfourlandscaping.com
 Address 3440 Ninth Concession Road, Pickering ON
 Brief Contracting services

GERR Construction Ltd.

Phone 905-697-2290
 Website gerrcon.com

Address 325 Lake Road, Bowmanville ON
 Brief New construction and renovation services

Gibson Building Supplies

Phone 905-983-8000
 Website gibsonsupplies.com
 Address 85 Station Street, Orono ON
 Brief Retailer of safety products, construction supplies and equipment

Gordon Contracting

Phone 705-432-2794
 Address 764 Regional Road 12, Cannington ON
 Brief Custom building

Grand Homes

Phone 905-428-6413
 Website grandhomescanada.com
 Address 1501 Harwood Ave N, Ajax ON
 Brief Designers and builders

Grand Homes

Phone 905-839-6411
 Website grandhomescanada.com
 Address 1730 McPherson Court, Pickering ON
 Brief Designers and builders

Hockley Builders

Phone 905-985-4996
 Address 178 Reach Industrial Park Road, Port Perry ON
 Brief General contracting/carpentry

Iron Wood Construction | ICM

Phone 905-983-9677
 Email sdeboer@ironwoodconstruction.ca
 Website ironwoodconstruction.ca

Address 5221 Main Street, Orono ON
 Brief Construction company

J. Slaw Contracting Inc.

Phone 905-442-4300
 Website jslavincontracting.com
 Address 113 Bloor Street East, Oshawa ON
 Brief Renovations and custom carpentry

J.J. McGuire

Phone 905-436-2554
 Email info@jjmcguire.com
 Website jjmcguire.com
 Address 880 Farewell Street, Oshawa ON
 Brief Office for general contracting

Jormat Contracting

Phone 905-985-7737 / 905-260-4874
 Email jormat@jormat.ca
 Website jormat.ca
 Address 58 Chester Crescent, Port Perry ON
 Brief Contractors

Ken Nice Sculptures

Phone 705-437-4785
 Email kennice.renderings@yahoo.com
 Website kennicesculptures.com
 Address C-205 Regional Road 12 RR #1
 Cannington ON
 Brief Home design services

Kenco Construction

Phone 905-642-3040
 Website kencoconstruction.ca
 Address 59 Anderson Boulevard, Uxbridge ON
 Brief Construction company

Kott

Phone 905-642-4400
 Email loconnor@kottlumber.cpm
 Website kottgroup.com
 Address 14 Anderson Boulevard
 Whitchurch-Stouffville ON
 Brief Wholesale lumber yard

Kugler Carpentry

Phone 416-414-0481
 Email petekugler@icloud.com
 Website kuglerhomeimprovements.ca
 Address 5549 York Durham Line, Uxbridge ON
 Brief Home improvement

Lardale Construction Inc

Phone 905-668-2660
 Email office@lardaleconstruction.com
 Website lardaleconstruction.com
 Address 202 South Blair Street, Unit 3, Whitby ON
 Brief Construction company

Lyons Construction

Phone 905-427-7776
 Website lyonsconstruction.ca
 Address 527 Westney Road South, Ajax ON
 Brief Residential and commercial construction

M + M Construction

Phone 905-239-4368
 Email mmconstruction@rogers.com
 Website mmconstruction.ca
 Address 1895 Clements Road, Pickering ON
 Brief Construction Contractors

M. Lloyed & Sons Ltd.

Phone 705-437-1777
 Address B-430 Concession Road 14, Cannington ON
 Brief General contractors

Magnum General Contracting

Phone 905-492-4009
 Email info@magnumgeneralcontracting.com
 Website magnumgeneralcontracting.com
 Address 1305 Pickering Parkway Suite 201
 Pickering ON
 Brief General contractors

Magnum General Contracting

Phone 905-723-7234
 Email info@magnumgeneralcontracting.com
 Website magnumgeneralcontracting.com
 Address 1621 McEwen Drive, Whitby ON
 Brief General contractors

Mar-Lyn Lumber Sales Ltd.

Phone 905-686-4491
 Email joyce@mar-lynlumber.com
 Website mar-lynlumber.com
 Address 100 Orchard Road, Ajax ON
 Brief Sale wholesale lumber commercial and industrial use

Med Group Ontario Inc.

Phone 905-509-8844
 Email customerservice@medhomes.ca
 Website medhomes.ca
 Address 1885 Clements Road #256, Pickering ON
 Brief Framing carpentry

Mikala Inc.

Phone 1-877-464-5252
 Email info@nullmikala.com
 Website mikala.com
 Address 350 Wentworth Street East, #5 Oshawa ON
 Brief Construction Company

MNH Construction

Phone 905-642-5492
 Website mnhconstruction.com
 Address 329 Regional Highway 47, Goodwood ON
 Brief All-in-one building solutions; construction and home renovations

Peacock Lumber Ltd.

Phone 905-725-5727
 Email ronl@peacocklumber.ca
 Website peacocklumber.ca
 Address 328 Ritson Road North, Oshawa ON
 Brief Wholesale of lumber and wood products

Philip Robinson Home Renovation

Phone 705-425-5217
 Address 25075 Maple Beach Road, Brock ON
 Brief Remodelling, renovations and home repair

Post Holes Fences & Decks 4U

Phone 905-655-9610
 Website decks-fences-posts.ca
 Address 4860 Simcoe Street North, Oshawa ON
 Brief Deck building, complete fencing, post and sono tube setting, landscape and more

Raylyn Contracting

Phone 905-837-2518
 Email info@raylyncontracting.com
 Website raylyncontracting.com
 Address 296 Waverly Street South, Oshawa ON
 Brief Contracting services

Richway Construction Ltd.

Phone 905-683-5150
 Email oclarke@richwayconstruction.ca
 Website richwayconstruction.ca
 Address 1035 Toy Avenue, Pickering ON
 Brief General contracting

Rob Robinson Ltd.

Phone 905-697-0400
 Email rrl@ronrobcon.com
 Website ronrobcon.com
 Address 3075 Maple Grove Road, Bowmanville ON
 Brief General construction

Stephen Dawson

Phone 705-426-7498
 Address 140 Victoria Avenue, Beaverton ON
 Brief General contracting

Stockworth Developments

Phone 905-660-4294
 Email info@stockworth.ca
 Website stockworth.ca
 Address 19 Baldwin Street, Brooklin ON
 Brief Commercial and residential development

Taxis Contracting Ltd.

Phone 905-987-9925

Email tim@taxiscontracting.com
 Website taxiscontracting.com
 Address 825 King Avenue East, Newcastle ON
 Brief Residential, industrial, and commercial construction, renovation, and general contracting needs

The Newco Group of Companies

Phone 905-686-3321
 Website thenewcogroup.ca
 Address 398 Bayly Street West, Ajax ON
 Brief Wood and lumber manufacturing

Third Generation

Phone 905-853-4181
 Address C545 Regional Road 12, Cannington ON
 Brief Painting and restoration services

Unlimited Building Solutions

Phone 905-420-4860
 Website unlimitedbuilding.com
 Address 1730 McPherson Court, Pickering ON
 Brief General Contracting

Van Camp Contracting Limited

Phone 905-852-1515
 Email vancampcontracting@gmail.com
 Website vancampcontracting.com
 Address 70 Scugog Line 6, Port Perry ON
 Brief General Contracting

VanderSanden Construction

Phone 905-697-3654
 Address 2749 Rundle Road, Bowmanville ON
 Brief Construction contractor

VanHezewijk Contracting Group

Phone 905-649-7134
 Website vhcontractinggroup.com
 Address 4410 Concession 6, Uxbridge ON
 Brief General Contracting

W.E Roth Construction

Phone 905-725-9991
 Address 21 Gladstone Avenue, Oshawa ON
 Brief Construction company

Wynsum Homes

Phone 905-831-4092
 Email sandra@wynsumhomes.com
 Website wynsumhomes.com
 Address 1101 Kingston Road, Pickering ON
 Brief Construction company

Y & G Construction Group Inc.

Phone 416-410-4536
 Email request@yellowgreen.ca
 Website yellowgreen.ca
 Address 50 Commercial Avenue, Ajax ON
 Brief Home renovation and building

■■■ Couriers**Canada Post**

Phone 705-432-3030
 Website canadapost.ca
 Address 3 Cameron Street West, Cannington ON
 Brief Courier service

Canpar Courier LP

Phone 800-387-9335
 Website canpar.ca

Address 1601 Tricont Avenue, Whitby ON
 Brief Courier service

Courier Depot and Immediate Delivery

Phone 416-213-7177
 Email king@immediate-delivery.com
 Website immediate-delivery.com
 Address 255 Salem Road South, Ajax ON
 Brief Courier service

DMC - Durham Metro Courier

Phone 905-427-8612
 Email casey@durhammetrocourier.com
 Website durhammetrocourier.com
 Address 220 Clements Road West, Ajax ON
 Brief Courier services

FedEx

Phone 800-567-5567
 Website fedex.com
 Address 1502 Bayly Street, Pickering ON
 Brief Courier service

JWP Distribution Services Inc.

Phone 905-668-0345
 Website jwpcourier.com
 Address 80 William Smith Drive, Whitby ON
 Brief Courier service

Pak Mail Pickering

Phone 905-837-2222
 Email pickering@pakmailcanada.com
 Website pakmailcanada.com
 Address 1064 Salk Road, Pickering ON
 Brief Shipping/mail company private

Platinum Direct Drive Inc.

Phone 905-619-0067
 Email platinumdirectdrive@gmail.com
 Address 30 Hunt Street, Ajax ON
 Brief Courier company

Purolator Courier Ltd.

Phone 905-686-1973
 Website purolator.com
 Address 1075 Squires Beach Road, Pickering ON
 Brief Courier service

Royal Courier & Cartage

Phone 905-686-7777
 Website royalcourier.ca
 Address 1019 Toy Avenue, Pickering ON
 Brief Courier service

The UPS Store

Phone 905-420-3131
 Website theupsstore.ca/155
 Address 1550 Kingston Road, Pickering ON
 Brief UPS delivery service

The UPS Store

Phone 905-432-3273
 Email upsstpre51@rogers.com
 Website theupsstore.ca/51
 Address 1300 King Street East, Oshawa ON
 Brief Shipping, custom printing and mailboxes

The UPS Store

Phone 905-666-1145
 Email store54@theupsstore.ca
 Website theupsstore.ca/54
 Address 701 Rossland Road East, Whitby ON

Brief Printing, mailing etc.

The UPS Store

Phone 905-576-6371
 Email store219@gmail.com
 Website theupsstore.ca/219
 Address 1288 Ritson Road North, Oshawa ON
 Brief Document services, shipping and packaging

The UPS Store

Phone 905-420-3800
 Email store379@theupsstore.ca
 Website theupsstore.ca
 Address 1822 Whites Road, Pickering ON
 Brief Copy and print centre

■ ■ ■ Customs brokers + freight forwarding**D & D Forwarding Services Inc.**

Phone 905-426-7437
 Website dndforwarding.net
 Address 50 Commercial Avenue, Ajax ON
 Brief Shipping facility

DMC Power

Phone 905-579-3000
 Email kdconnor@dmcpower.com
 Website dmcpower.com
 Address 2075 Forbes Street, Unit B3, Whitby ON
 Brief Shipping facility

H Paulin and Co. Ltd.

Phone 289-387-0701
 Website hpaulin.com
 Address 1055 Squires Beach Road, Pickering ON
 Brief Shipping facility

Mackie Group

Phone 905-728-2400
 Website mackiegroup.com
 Address 933 Bloor Street West, Oshawa ON
 Brief Moving services from local to large scale for corporations, trucking

Mackie Transportation

Phone 905-728-1000
 Email sales@mackietransportation.com
 Website mackietransportation.com
 Address 1900 Boundary Road, Whitby ON
 Brief Transportation company

NorthEx Custom Brokers

Phone 905-428-0077
 Email info@northex.ca
 Website northex.ca
 Address 360 Bayly Street West, Suite 202, Ajax ON
 Brief Customs brokerage and freight fording

Taylor Made Logistics

Phone 905-493-1093
 Email steve@taylormadelogistics.com
 Website taylormadelogistics.com
 Address 11 Stanley Court, Whitby ON
 Brief Logistics

Two Way Transportation

Phone 905-420-3191
 Email stina@2way-transport.com
 Website 2way-transport.com
 Address 1600 Alliance Road, Pickering ON
 Brief Freight broker, consult transportation

Utica Livestock Carriers

Phone 905-985-0511
 Email uticalivestock@hotmail.com
 Website uticalivestock.com
 Address 1575 7a Highway, Port Perry ON
 Brief Licensed freight shipping, hauling and trucking company

■■■ Decontamination + Health and Safety Consulting Services**Canaphem**

Phone 905-493-7436
 Email info@canaphem.ca
 Website canaphem.ca
 Brief Decontamination and Health and Safety Consulting Services, PPE supplier

CRCS DKI

Phone 1-800-563-3477
 Email info@crsdk.com
 Website crsdki.com
 Brief Decontamination and Health and Safety Consulting Services

GFL

Phone 905-623-1367
 Website gflenv.com
 Brief Decontamination and Health and Safety Consulting Services

Pinchin Ltd.

Phone 855-746-2446
 Website pinchin.com
 Address 191 Bloor Street East Unit 11, Oshawa ON
 Brief Decontamination and Health and Safety Consulting Services

QJS Cleaning Services

Phone 905-686-9272
 Website qjsservices.ca
 Address 545 Lake Ridge Road, Whitby ON
 Brief Decontamination and Health and Safety Consulting Services, Sanitization stations, sanitizer

■ ■ ■ Duplication + standard conversion**Geek Girl Media**

See Geek Girl Media p.47

Graeme Powell Editing

See Graeme Powell Editing p.52

■ ■ ■ Florists + gifts**A Touch Of Class Flower Shop**

Phone 905-426-5985
 Website atouchofclassflowers.ca
 Address 1050 Brock Road, Pickering ON
 Brief Flower shop

Adrienne's Flowers & Gifts

Phone 905-683-2370
 Email fiona@adriennesflowers.ca
 Website adriennesflowers.ca
 Address 250 Bayly Street West, Unit 3, Ajax ON
 Brief Flower shop

Anderson Flower Shop

Phone 905-666-9509
 Email wecare@andersonflowers.net
 Website andersonflowers.net

Address 3 Chatsworth Crescent, Whitby ON
 Brief Flower shop

Apple Blossom Flowers

Phone 905-987-3155
 Email info@appleblossomflowers.com
 Website appleblossomflowers.com
 Address 46 King Avenue East, Newcastle ON
 Brief Floral shop

Apple Blossom Flowers

Phone 905-983-9155
 Email info@appleblossomflowers.com
 Website appleblossomflowers.com
 Address 5345 Main Street, Orono ON
 Brief Flower shop

Branching Out

Phone 705-432-3340
 Email mark@branching-out.ca
 Website branching-out.ca
 Address 14 Cameron Street East, Cannington ON
 Brief Flower shop

Branching Out

Phone 905-985-3033
 Email mail@branching-out.ca
 Website branching-out.ca
 Address 158 Water Street, Port Perry ON
 Brief Flower shop

Brooklin Floral & Garden Shoppe Inc.

Phone 905-655-4424
 Website brooklinfloral.com
 Address 114 Winchester Road East, Brooklin ON
 Brief Flower shop

DMP Flowers and Gifts

Phone 905-666-8173
 Email wecare@dmpflowersandgifts.ca
 Website dmpflowersandgifts.ca
 Address 1003 Brock Street South, Whitby ON
 Brief Flower shop

Flowers by Veronika

Phone 905-725-1234
 Website dmpflowersoshawa.com
 Address 595 King Street East, Oshawa ON
 Brief Flower shop

Finch Flowers and Convenience

Phone 905-420-1230
 Address 1105 Finch Avenue, Pickering ON
 Brief Flower shop

Foodland Floral Shop

Phone 905-985-7025
 Address 278 Queen Street, Port Perry ON
 Brief Flower shop

Garlands

Phone 705-426-4660
 Email julie@garlandsflorist.com
 Website garlandsflowers.net
 Address 354 Simcoe Street, Beaverton ON
 Brief Flower shop

Keith's Flowers and Gift Shop

Phone 905-852-3029
 Email keithsflowers@bellnet.ca
 Website keithsflowershop.com
 Address 14 Brock Street East, Uxbridge ON
 Brief Flower shop

Lasting Expressions Floral

Phone 905-728-4299
 Email lastingexpressions@bellnet.ca
 Website lastingexpressionsfloral.com
 Address 555 Rossland Road East, Oshawa ON
 Brief Flower shop

Lori's Hearts & Flowers

Phone 905-432-2404
 Website lorisheartsnflowers.com
 Address 1300 King Street East, Oshawa ON
 Brief Flower shop

Reed's Florists

Phone 905-839-5119
 Email contactus@reedsflorists.com
 Website reedsflorists.com
 Address 1355 Kingston Road, Pickering ON
 Brief Flower shop

Reed's Florists

Phone 905-433-2384
 Website reedsflorists.com
 Address 419 King Street West, Oshawa ON
 Brief Flower Shop

Reed's Florists

Phone 905-683-6060
 Website reedsflorists.com
 Address 845 Westney Road South, Ajax ON
 Brief Flower shop

Rockcliffe Promotional Products Inc.

Phone 905-428-1233
 Email info@rockcliffepromo.com

Website rockcliffepromo.com
 Address 595 MacKenzie Avenue #14, Ajax ON
 Brief Awards, business gifts, promotional products and retail

Rose's Flowers

Phone 905-434-7393
 Address 215 Bloor Street East, Oshawa ON
 Brief Flower shop

Shirley's Country Clutter

Phone 705-426-1616
 Address 330 Simcoe Street, Beaverton ON
 Brief Gift shop

The Green Thumb Florist and Decor

Phone 905-683-5251
 Address 2460 Sixth Concession Road Greenwood ON
 Brief Flower shop

The Wallflower Boutique

Phone 905-436-7149
 Website thewallflowerboutique.com
 Address 1330 Ritson Road North, Oshawa ON
 Brief Flower shop

Thimbleberry Lane Florist

Phone 905-579-4949
 Website thimbleberrylane.com
 Address 4250 Simcoe Street North, Oshawa ON
 Brief Flower shop

Trillium Florist Inc

Phone 905-831-0753
 Email trilliumflorist@bellnet.ca
 Website trilliumflorist.com

Address 1794 Liverpool Road, Pickering ON
 Brief Flower shop

Van Belle Flowers

Phone 905-668-1650
 Email sales@vanbelleflowers.com
 Website vanbelleflowers.com
 Address 100 Dundas Street West, Whitby ON
 Brief Flower shop

Violet Bloom's Fresh Flowers

Phone 905-839-6035
 Website violetblooms.ca
 Address 705 Kingston Road, Pickering ON
 Brief Flower shop

White Feather Farms and Country Store

Phone 905-655-4752
 Email whitefeatherfarms@hotmail.com
 Website durhamfarmfresh.ca
 Address 15 Raglan Road East, Raglan ON
 Brief Food sales and novelty gifts

■ ■ ■ Hair + make up

A&T Beauty Supply

Phone 905-728-7383
 Address 15 Simcoe Street South, Oshawa ON
 Brief Beauty supply retailer

Beauty Centre

Phone 905-556-0089
 Address 817 Dundas Street West, Whitby ON
 Brief Beauty supply retailer

CanRad Beauty

Phone 905-728-9958
 Email oshawastore@canrad.com
 Website canrad.com
 Address 72 Simcoe Street North, Oshawa ON
 Brief Beauty supply retailer

Carolyn's Beauty Supply & Salon Ltd.

Phone 905-721-0548
 Email cldunn51@hotmail.com
 Website carolynsbeautysupply.com
 Address 400 King Street West, Oshawa ON
 Brief Hair salon/beauty supply retail

Cosmo Prof

Phone 905-438-4020
 Website cosmoprofbeauty.com
 Address 310 Bloor Street West, Oshawa ON
 Brief Beauty products for licensed professionals

Discount Hair Supplies

Phone 905-831-5449
 Address 1550 Kingston Road, Pickering ON
 Brief Beauty and hair supply retail

Kaks Hair Emporium

Phone 905-683-9163
 Email kakari1@yahoo.com
 Address 1660 Kingston Road, Pickering ON
 Brief Hair and beauty products

NYX Professional Makeup

Phone 905-725-0561
 Website nyxcosmetics.ca
 Address 419 King Street West, Oshawa ON
 Brief Beauty supply retailer

Sally Beauty Supply

Phone 905-576-2250
 Website sallybeautyholdings.com
 Address 941 Taunton Road East, Oshawa ON
 Brief Beauty supply retailer

Sally Beauty Supply

Phone 905-655-4420
 Website sallys.com
 Address 150 Taunton Road East, Whitby ON
 Brief Beauty supply retailer

Sephora

Phone 905-720-0276
 Website sephora.com
 Address 419 King Street West, Oshawa ON
 Brief Beauty supply retailer

Trade Secrets

Phone 905-434-5507
 Email oshawacentre@tradesecrets.info
 Website tradesecrets.ca
 Address 419 King Street West, Oshawa ON
 Brief Hair salon and product retailer

Trade Secrets

Phone 905-683-1694
 Website tradesecrets.ca
 Address 1899 Brock Road, Pickering ON
 Brief Retail hair supplies

Trade Secrets

Phone 905-655-2366
 Website tradesecrets.ca
 Address 4160 Baldwin Street South, Whitby ON
 Brief Hair salon and products

■ ■ ■ Insurance

FCA Insurance Brokers

Phone 905-683-4629
 Website nbrown.com
 Address 1400 Bayly Street, Unit 7, Pickering ON
 Brief Insurance brokers

McCam Insurance

Phone 905-579-0111
 Website mccaminsurance.com
 Address 292 King Street West, Oshawa ON
 Brief Insurance brokers

■ ■ ■ Janitorial + Cleaning

FSM Landscaping

Phone 905-686-1200
 Email info@fsmlandscaping.ca
 Website fsmlandscaping.ca
 Address 1895 Clements Road, Pickering ON
 Brief Landscape and snow maintenance, janitorial services

Full Service Maintenance

Phone 905-686-1200
 Email info@fsmlandscaping.ca
 Website fsmlandscaping.ca
 Address 1895 Clements Road #180, Pickering ON
 Brief Janitorial services

J.I.L Janitorial Services

Phone 905-837-1300
 Website jiljanitorial.com
 Address 1019 Toy Avenue, Pickering ON
 Brief Janitorial services

Kevin's Cleaning

Phone 1-866-554-9996
 Email info@kevinscleaning.ca
 Website kevinscleaning.ca
 Address 230 Gibbons Street, Oshawa ON
 Brief Cleaning service

Maple Leaf Cleaning Services Inc.

Phone 416-930-3470
 Email info@mapleleafcs.com
 Website mapleleafcs.com
 Address 1895 Clements Road, Pickering ON
 Brief Cleaning service

Reliance Supplies

Phone 905-839-9442
 Address 1730 McPherson Court, Pickering ON
 Brief Janitorial supplies distribution

■ ■ ■ Landscaping

A.R.B. Landscaping Supplies

Phone 905-926-2770
 Email arb_landscaping@yahoo.ca
 Website arblandscapingsupplies.ca
 Address 195 Duke Street, Bowmanville ON
 Brief Retail of landscaping supplies

Bobcat of Durham East Ltd.

See Bobcat of Durham East Ltd. p.41

Canadian Greenscapes Inc.

Phone 905-424-2220
 Website canadiangreescapes.com
 Address 491 Grand Trunk Street, Whitby ON
 Brief Landscaping and tree sales

Dutchmaster Nurseries Ltd.

Phone 905-683-8211
 Email sales@dutchmasternurseries.com
 Website dutchmasternurseriesltd.com
 Address 3735 Sideline 16 Road, Brougham ON
 Brief Wholesale garden supplies and products for landscaping industry

Karl's Nursery & Landscaping

Phone 905-986-5217
 Address 3790 7A Highway, Blackstock ON
 Brief Nursery and landscaping company, also sells carved statues

Maple Lane Nursery and Landscape

Phone 905-263-4767
 Email info@maplelanelandscaping.ca
 Address 2590 Taunton Road, Bowmanville ON
 Brief Tree nurseries and landscape services and supplies

Mast Landscaping

Phone 905-862-0831
 Website mastlandscaping.ca
 Address 51 Medd Road, Port Perry ON
 Brief Landscaping and tree farm

McFarland Sand & Gravel

Phone 905-436-2082
 Website mcfarlandsandandgravel.com
 Address 3757 Courtice Road, Courtice ON
 Brief Landscaping/soil supplies

Newcastle Block Ltd.

Phone 905-987-4444
 Email wchung@newcastleblock.com

Website newcastleblock.com
 Address 732 King Avenue East, Newcastle ON
 Brief Landscape and building materials supply concrete block manufacturer

Pefferlaw Peat Products Inc.

Phone 705-437-2380
 Email info@pefferlaw.com
 Website pefferlaw.com
 Address 21265 Sideroad 17, Cannington ON
 Brief Garden soils and landscaping products

Post Holes Fences & Decks 4U

See Post Holes Fences & Decks 4U p.78

Prestonvale Tree Farm

Phone 905-434-3910
 Email sales@prestonvaletreefarms.com
 Website prestonvaletreefarms.com
 Address 1421 Prestonvale Road, Courtice ON
 Brief Landscaping and tree farm

Vandermeer Nursery and Garden Center

Phone 905-427-2525
 Email info@vandermeernursery.com
 Website vandermeernursery.com
 Address 588 Lake Ridge Road South, Ajax ON
 Brief Family run garden center and nursery

■ ■ ■ Libraries + scouting services**Capricorn Productions**

Phone 905-655-3849
 Email creativeteam@capricornproductions.com
 Website locations.capricornproductions.com
 Address 2869 Thornton Road North, Oshawa ON

Brief 5,000 plus digital photo location library;
free 24-hour production assistance
for Durham

■ ■ ■ Maps

Canadian Cartographics Corporation

Phone 1-800-205-6277
Email customerservice@cccmaps.com
Website cccmaps.com
Address 70 Bloor Street East, Oshawa ON
Brief Maps and custom mapping products

■ ■ ■ Medical services

Lakeridge Health - Bowmanville Hospital

Phone 905-623-3331
Website lakeridgehealth.on.ca
Address 47 Liberty Street South, Bowmanville ON
Brief Hospital

Lakeridge Health - Oshawa Hospital

Phone 905-576-8711
Website lakeridgehealth.on.ca
Address 1 Hospital Court, Oshawa ON
Brief Hospital

Lakeridge Health - Port Perry Hospital

Phone 905-985-7321
Website lakeridgehealth.on.ca
Address 451 Paxton Street, Port Perry ON
Brief Hospital

Lakeridge Health - Whitby Acute Hospital

Phone 905-576-8711
Email dsewell@lakeridgehealth.on.ca

Website lakeridgehealth.on.ca
Address 300 Gordon Street, Whitby ON
Brief Hospital

Durham Community Clinic

Phone 905-668-2975
Website ontarioshores.ca
Address 617 Victoria Street West, Unit 116B
Whitby ON
Brief Mental health services

Lakeridge Health – Ajax Pickering Hospital

Phone 905-683-2320
Website lakeridgehealth.on.ca
Address 580 Harwood Avenue South, Ajax ON
Brief Hospital

■ ■ ■ Museums

Beaverton Thorah Eldon Historical Society

Phone 705-426-9641
Website btehs.com
Address 284 Simcoe Street, Beaverton ON
Brief Historical society

Bowmanville Heritage Museum

Phone 905-623-2734
Website claringtonmuseums.com
Address 37 Silver Street, Bowmanville ON
Brief Museum

Canadian Automotive Museum

Phone 905-576-1222
Website canadianautomotivemuseum.com
Address 99 Simcoe Street South, Oshawa ON
Brief Historical vehicle museum

Cannington Historical Society's Centennial Museum

Phone 705-432-3136
 Email canningtonhistoricalsociety@hotmail.com
 Website canningtonhistoricalsociety.ca
 Address 72 Peace Street, Cannington ON
 Brief Historical museum

Parkwood National Historic Site | the R.S. McLaughlin Estate

Phone 905-433-4311
 Email Laura.Mountjoy@parkwoodestate.com
 Website parkwoodestate.com
 Address 270 Simcoe Street North, Oshawa ON
 Brief National historic site, community museum, tours, special events, filming

Pickering Museum Village

Phone 905-683-8401
 Email museum@pickering.ca
 Website pickering.ca/museum
 Address 2365 Concession Road 6
 Greenwood ON L0H 1H0
 Mailing City of Pickering, City Hall
 One The Esplanade, Pickering ON L1V 6K7
 Brief Living history museum featuring 20 artifact buildings in a charming rural setting situated along the Duffins Creek

Scugog Shores Museum Village

Phone 905-985-8698
 Email abarron@scugog.ca
 Website scugog.ca
 Address 16210 Island Road, Port Perry ON
 Brief Museum

Sunderland & District Historical Museum

Phone 905-357-2533
 Website townshipofbrock.ca
 Address 14 Church Street North, Sunderland ON
 Brief Agricultural and historical museum

The Lucy Maud Montgomery Society Of Ontario

Phone 905-862-0808
 Email Immontgomery.on@gmail.com
 Website lucymaudmontgomery.ca
 Address 11850 Concession 7, Leaskdale ON
 Brief Historical site

The Ontario Regiment RCAC Museum

Phone 905-728-6199
 Email info@ontrmuseum.ca
 Website ontrmuseum.ca
 Address 1000 Stevenson Road North, Oshawa ON
 Brief Historical military vehicles

■■■ Office equipment + supply**Clarke Office Concepts Limited**

Phone 905-686-2015
 Email debbie@cocl.ca
 Website cocl.ca
 Address 55 Mills Road, Ajax ON
 Brief Environmentally friendly document solutions and printing

Elements Office Installations Inc.

Phone 905-839-4200
 Email deb@elementsoffice.ca
 Website elementsoffice.ca
 Address 1738 Orangebrook Court, Pickering ON
 Brief Office installations, cubicles

Jenkins Business Equipment

Phone 905-728-7591
 Email sales@jenkinsequip.com
 Website jenkinssequip.com
 Address 875 Wilson Road South, Oshawa ON
 Brief Business equipment, furniture sales, service, rentals and leases

K&S Office Systems Inc.

Phone 905-493-5911
 Website kands.ca
 Address 830 Brock Street North, Whitby ON
 Brief Office design and moving services

Oshawa Office Equipment Inc.

Phone 905-576-8234
 Email oshawaoffice@rogers.com
 Address 543 Ritson Road South, Oshawa ON
 Brief Sales, service, and rentals of new/used office furniture and equipment

Staples Business Depot

Phone 905-683-4620
 Website staples.ca
 Address 1755 Pickering Parkway, Pickering ON
 Brief Office supplies

Staples Business Depot

Phone 905-655-6700
 Website staples.ca
 Address 320 Taunton Road East, Whitby ON
 Brief Office supplies

Staples Business Depot

Phone 905-686-1422
 Website staples.ca
 Address 16 Harwood Avenue South, Ajax ON
 Brief Office supplies

Staples Business Depot

Phone 905-404-4392
 Website staples.ca
 Address 419 King Street West, Oshawa ON
 Brief Office supplies

Staples Business Depot

Phone 905-862-2614
 Email s304gm@busdep.com
 Website staples.ca
 Address 4 Banff Road, Uxbridge ON
 Brief Office supplies

■ ■ ■ Office space**Business Point**

Phone 800-410-8516
 Website businesspoint.ca
 Address 22 King Street West, Oshawa ON
 Brief Office space rental

■ ■ ■ Payroll + finance**Business A 2 Z Accounting and Bookkeeping**

Phone 647-693-4184
 Address 40 Old Kingston Road, Ajax ON
 Brief Accounting and bookkeeping office

Computer Accounting Services of Canada

Phone 905-420-3926
 Email steve@cascan.org
 Website cascan.org
 Address 1730 McPherson Court, Pickering ON
 Brief Accounting and bookkeeping office

Excel Accounting & Bookkeeping Services Inc.

Phone 905-493-3935
 Email excel@rogers.com
 Website excelaccounting.ca
 Address 916 Brock Street South, Whitby ON
 Brief Accounting and bookkeeping office

First Choice Accounting

Phone 289-385-2703
 Website firstchoiceaccounting.biz
 Address 208 Bloor Street West, Oshawa ON
 Brief Accounting and bookkeeping office

Kiessling & Associates

Phone 905-245-0132
 Email denise@kiesslingassociates.com
 Website kiesslingassociates.com
 Address 633 King Street East, Oshawa ON
 Brief Accounting and bookkeeping office

Unique Accounting Services

Phone 905-903-7669
 Email info@uniqueaccountingservices.ca
 Website uniqueaccountingservices.ca
 Address 909 Simcoe Street North, Oshawa ON
 Brief Accounting and bookkeeping office

Your Bottom Line

Phone 905-436-6663
 Email ross@yourbottomline.ws
 Website yourbottomline.ca
 Address 52 Thornbury Street, Courtice ON
 Brief Accounting and bookkeeping office

■■■ Props**Colpitts Design**

Phone 905-852-2385
 Email peter@colpittsdesign.com
 Website colpittsdesign.com
 Address 192 Main Street North, Uxbridge ON
 Brief Prototype design and construction of props, cost effective solutions for prototyping and modeling needs

RayPlex Ltd.

Phone 905-579-1433
 Email info@fibreglass.com
 Website rayplex.ca
 Address 341 Durham Court, Oshawa ON
 Brief Offers an assortment of products from moulding materials, fibreglass material, as well as prop repairs

Southern Charm Vintage Rentals

Phone 905-430-2559
 Email info@southerncharmvintagerentals.com
 Website southerncharmvintagerentals.com
 Address Gartshore Drive, Whitby ON
 Brief Boutique vintage rentals, small to mid size props and furniture with an emphasis on rustic and French glam items

■ ■ ■ Publicity

Customer Relationship Index (CRI)

Phone 416-601-9247
Address 105 Consumers Drive, Whitby ON
Brief Customer relations

Jade Strategic Relations

Phone 647-201-0152
Email Jdthomas@jadestrategicrelations.com
Website jadestrategicrelations.com
Address 60 Exeter Road, Ajax ON
Brief Public relations and communications consulting

Sidewalk 360

Phone 905-233-2430
Website sidewalk360.com/business
Address 105 Consumers Drive, Whitby ON
Brief Marketing consulting services

Take Root Creative

Phone 905-852-9031
Website takerootcreative.com
Address 53 Toronto Street North, Uxbridge ON
Brief Marketing and graphic design

Wood & Associates Direct Marketing Services Ltd.

Phone 416-293-2511
Email clientservices@wood-and-associates.com
Website wood-and-associates.com
Address 1410 Bayly Street Unit 9, Pickering ON
Brief Marketing consulting services

■ ■ ■ Recording media supply

Ambassador Records

Phone 905-579-7476
Email ambassdr@ambrec.com
Website ambrec.com
Address 185 Oshawa Boulevard South, Oshawa ON
Brief Recording Studio Suite

Best Buy

Phone 905-619-6977
Website bestbuy.ca
Address 20 Kingston Road West, Ajax ON
Brief Electronic retailer

Best Buy

Phone 905-433-4455
Website bestbuy.ca
Address 1421 Harmony Road North, Oshawa ON
Brief Electronic retailer

Best Buy

Phone 905-674-1055
Website bestbuy.ca
Address 1751 Victoria Street East, Whitby ON
Brief Electronic retail store

Brooklin Audio Video

Phone 905-425-1072
Email team@brooklinav.com
Website brooklinav.com
Address 17 Baldwin Street South, Brooklin ON
Brief Electronic retailer

Doing The Music

Phone 289-388-9652
 Email info@doingthemusic.com
 Website doingthemusic.com
 Address 200 John Street West, Oshawa ON
 Brief A full music production studio that also offers DJ services for all occasions

Perceptive Listening

See Perceptive Listening p.38

Whitby Audio Video

Phone 905-668-0787
 Website whitbyaudiovideo.com
 Address 233 Brock Street South, Whitby ON
 Brief Audio and video sales

■ ■ ■ Recording studio**Ineo Studios**

See Ineo Studios p.46

Rehearsal Factory

Phone 905-922-8662
 Website rehearsalfactory.com
 Address 827 Gordon Street, Oshawa ON
 Brief Rehearsal space for musicians

The Music Scene

Phone 905-430-0043
 Website themusicscene.ca
 Address 1916 Dundas Street East, Whitby ON
 Brief Recording studio

■ ■ ■ Recycling + garbage**Durham Disposal**

Phone 905-665-6988
 Email info@durhamdisposal.ca
 Website durhamdisposal.ca
 Address 113 Warren Road, Whitby ON
 Brief Waste management facility

Durham Waste Management Facility - Brock

Website townshipofbrock.ca
 Address C22480 Sideroad 17, Cannington ON
 Brief Waste management facility

Durham Waste Management Facility - Oshawa

Phone 905-433-2050
 Website cityofoshawa.ca
 Address 1640 Ritson Road North, Oshawa ON
 Brief Waste management facility

Durham Waste Management Facility - Scugog

Phone 905-985-7973
 Website townshipofscugog.ca
 Address 1623 Reach Street, Port Perry ON
 Brief Waste management facility

Durham-York Energy Centre

Phone 905-404-6800
 Website durhamyorkwaste.ca
 Address 1835 Energy Drive, Courtice ON
 Brief Waste management facility

McPherson Transfer Ltd.

Phone 905-839-2099
 Website upak.net
 Address 1740 McPherson Court, Pickering ON
 Brief Waste management facility

Miller Waste

Phone 905-985-1122
 Website millergroup.ca
 Address 50 Taylor Boulevard, Port Perry ON
 Brief Waste management facility

Miller Waste Durham

Phone 905-426-4222
 Website millergroup.ca
 Address 1280 Squires Beach Road, Pickering ON
 Brief Waste management facility

Miller Waste Systems Inc./Pebblestone Multiservices Inc.

Phone 905-725-0899
 Email hr@millergroup.ca
 Website millergroup.ca
 Address 2000 Wentworth Street, Whitby ON
 Brief Waste management facility

Safety Kleen Canada Inc.

Phone 905-579-3221
 Website safety-kleen.com
 Address 1220 Skae Drive, Oshawa ON
 Brief Hazardous waste recycling services

■■■ Safety supplies and personal protective equipment**10west Commercial Graphics**

Phone 905-721-8321
 Email info@10west.ca
 Website 10west.ca
 Address 799 Farewell Street, Oshawa ON
 Brief Face shields and plexiglass shields

2Beez Promotions

Phone 289-460-2978
 Email carmine@2beezpromotions.com
 Website 2beezpromotions.com
 Address 12-1064 Salk Road, Pickering ON
 Brief Face shields and masks

AGC Signs

Phone 905-492-2484
 Email rhonda@agcsigns.com
 Website agcsigns.com
 Address 860 Brock Road #8, Pickering ON
 Brief Face shields, plexiglass shields and signage

Acklands-Grainger Inc.

Phone 905-436-3030
 Email communications@grainger.ca
 Website acklandsgrainger.com
 Address 1129 Wentworth Street West, Oshawa ON
 Brief Disinfectant, masks, face shields, gloves, sanitizer, industrial safety and fastener needs

Allegra Marketing and Print

Phone 905-668-2135
 Email brent@allegrapickering.com

Website allegramarketingprint.com
 Address 1550 Bayly Street Unit 4, Pickering ON
 Brief Sanitization stations, plexiglass, and signage

All or Nothing Brewery

Phone 905-337-0133
 Email eric@allornothing.beer
 Website shop.allornothing.beer
 Address 439 Ritson Road South, Oshawa ON
 Brief Hand sanitizer

ARC Fire Services

Phone 416-992-5264
 Website arcfireservices.com
 Address 111 Colston Avenue, Brooklin ON
 Brief ARC prepares fire safety plans as per Ontario Fire Code regulations and inspections

Astley Gilbert

Phone 905-571-3300
 Email gaulbertd@astleygilbert.com
 Website astleygilbert.com
 Address 1097 Boundary Road, Oshawa ON
 Brief Face shields, sanitizer, signage, and sneeze guards

Brock Street Brewery

Email mark@brockstreetbrewing.com
 Website protectenol.com
 Brief Hand sanitizer

Brooklin Bulletin Signs

Phone 905-430-7939
 Email info@brooklinsigns.com
 Website customprinting.ca

Address 105 Industrial Drive, Whitby ON
 Brief Face shields, masks, signage, and plexiglass

Canada Rubber Group

Phone 905-725-9800
 Email alyall@canadarubbergroup.com
 Website canadarubbergroup.com
 Address 405 Lake Road, Bowmanville ON
 Brief Ear protectors, face shields, and plexiglass shields

Canaplex Profiles

Phone 905-985-2759
 Email info@canplex.com
 Website canplex.com
 Address 1 Easy Street, Port Perry ON
 Brief Adult and children size face shields

Catalys Lubricants

Phone 1-800-673-6231
 Email btaylor@catalyslubricants.ca
 Website catalyslubricants.ca
 Address 1111 Burns Street East, Whitby ON
 Brief Disinfectant and hand sanitizer

Chemstation

Phone 800-554-8265
 Email jsmith@chemstation.com
 Website chemstation.com
 Address 777 McKay Road, Pickering ON
 Brief Disinfectant and hand sanitizer

Cobra Mask

Phone 1-647-802-6275
 Email info@cobramask.ca
 Website cobramask.ca
 Brief Face shields

Crystal Clean

Phone 1-877-938-7948
 Email jim.halloran@crystal-clean.com
 Website catalyslubricants.ca
 Address 80 Cigas Road, Courtice ON
 Brief Disinfectant

Durham Distillery

Email us@durhamdistillery.ca
 Website durhamdistillery.ca
 Brief Hand sanitizer and sanitization stations

Element Display Pickering

Phone 905-428-2576
 Email info@elementdisplay.ca
 Website elementdisplay.ca
 Address 757 McKay Road Unit 1, Pickering ON
 Brief Plexiglass shields and signage

Ell-Rod Holdings

Phone 905-683-8444
 Email info@ellrod.ca
 Website ellrod.ca
 Address 19 Tamblyn Road, Orono ON
 Brief Plexiglass shields

Envoy Business Solutions

Phone 905-426-8827
 Email james@envoyajax.ca

Website envoy.ca/ajax
 Address 71 Old Kingston Road, Ajax ON
 Brief Face shields, plexiglass shields, and hand sanitizer

FaceGuard

Phone 905-721-8321
 Email shields@10west.ca
 Website faceguard.ca
 Address 799 Farewell Street, Oshawa ON
 Brief Face shields and decals

Fastenal Canada

Phone 905-443-0428
 Email onosh@storesfastenal.com
 Website fastenal.ca
 Address 350 Wentworth Street East, #6 Oshawa ON
 Brief Retailer of fasteners, nuts/bolts, safety gear, metalworking, chemicals and paint, plumbing/electrical, automotive

Fastenal Canada

Phone 905-723-3500
 Website fastenal.com
 Address 1801 Wentworth Street, Whitby ON
 Brief Retail of industrial and construction supplies

Frere du Nord

Phone 905-240-6100
 Email milena@freredunord.com
 Website freredunord.com
 Address 45 Prince Street, Oshawa ON
 Brief Masks

Fully Promoted

Email oshawa@fullypromoted.ca
 Website oshawa.fullypromoted.ca
 Address 243 King Street East, Oshawa ON
 Brief Masks and hand sanitizer

GetWrapped.ca

Email ne@getwrapped.ca
 Website getwrapped.ca
 Address 391 Marwood Drive Unit 2, Oshawa ON
 Brief Signage

Gibson Building Supplies

See Gibson Building Supplies p.74

Grasp Safety Services Inc.

Phone 905-240-8900
 Email info@graspsafety.com
 Website graspsafety.com
 Address 842 Farewell Street, Oshawa ON
 Brief Safety protection provider

GrayMatter Marketing Solutions

Phone 647-290-3273
 Email audra@graymatterms.ca
 Website graymatterms.com/img/GM-PPE-flyer.pdf
 Address 842 Farewell Street, Oshawa ON
 Brief Medical grade masks, cloth masks, face shields, and sanitizer

H&S Specialties Inc.

Email rjones@hsspecialties.com
 Website hsspecialties.com
 Address 1060 Salk Road Unit 5, Pickering ON
 Brief Disinfectant

Hazmasters

Phone 905-427-0220
 Website hazmasters.com
 Address 651 Harwood Avenue North, #4, Ajax ON
 Brief Disinfectant, PPE supplier, and signage

Hancock Urban Wear

Phone 905-442-8961
 Website hancockmasks.com
 Address 2122 Stornoway Street, Oshawa ON
 Brief Masks

HD Supply

Phone 905-839-4271
 Website hdsupply.com
 Address 1698 Bayly Street, Pickering ON
 Brief Industrial supply distributor

Lev2 Millwork

Phone 905-240-5382
 Email inquiries@lev2millwork.com
 Website lev2millwork.com
 Address 900 Farewell Street, Oshawa ON
 Brief Plexiglass shields

Lundy Plumbing and Heating

Phone 905-839-7047
 Email matt@cedcompressedair.ca
 Website lundyplumbing.ca
 Address 1064 Salk Road #14, Pickering ON
 Brief Sanitization stations

Minuteman Press

Email whitby@minutemanpress.com
 Website whitby.minutemanpress.ca
 Address 1450 Hopkins St. Unit 100, Whitby ON
 Brief Face shields, masks, plexiglass, and signage

Mondo Products

Phone 905-426-9339
 Email info@mondo-products.com
 Website mondo-products.com
 Address 695 Westney Road South, Unit #1, Ajax ON
 Brief Disinfectant, face shields, masks, and sanitizer

Monster Teamwear

Phone 905-666-2235
 Email ray@monstertc.com
 Website monstertc.com
 Address 10 Sunray Street Unit 12, Whitby ON
 Brief Masks for adults and children

Next Manufacturing

Phone 416-836-1470
 Email team@nextmanufacturing.ca
 Website nextmanufacturing.ca
 Address Unit 2 – 131 North Port Road, Port Perry ON
 Brief Face shields and plexiglass shields

Nifty Pixy Designs

Phone 905-697-0123
 Email chris@niftypixydesigns.ca
 Website niftypixydesigns.ca
 Brief Face shields, plexiglass shields, and signage

Onsite Cleaning Supplies

Phone 905-492-7900
 Email supplies@onsitecleaning.ca
 Website onsitecleaningsupplies.ca
 Address 1080 Brock Road Unit# 3, Pickering ON
 Brief Disinfectant and gloves

Pat Doyle's PPE Products

Phone 905-831-0362
 Email patrick.doyle@proforma.com
 Website patdoylesppeproducts.buyproforma.com
 Brief Masks and hand sanitizer

Peacock Promotional

Phone 905-666-1114
 Email sales@peacockpromo.com
 Website peacockpromo.com
 Address 900 Hopkins Street Unit 4, Whitby ON
 Brief Masks

Phoenix Enterprises

Phone 905-427-5252
 Email daraphoenix@rogers.com
 Website phoenixenterprises.ca
 Address 43 Simms Drive, Ajax ON
 Brief Masks, face shields, gloves, sanitizer, and signage

Premium Fire Protection

Phone 905-436-3473
 Email sales@premiumfireprotection.ca
 Website premiumfireprotection.ca
 Address 717 Wilson Road South, Oshawa ON
 Brief Fire safety services and products

Promotional Apparel Sales Inc

Phone 905-655-5555
 Email john@pasinc.ca
 Website pasinc.ca
 Address 15 Jeranna Court, Ashburn ON
 Brief Masks for adults and children, and hand sanitizer

Security Guard Supply

Email accounting@defenseopticsgroup.com
 Website securityguardsupply.ca
 Brief Face shields and masks

Sensational Signs

Phone 905-982-0881
 Email info@sensationalsigns.net
 Website sensationalsigns.net
 Brief Plexiglass shields

Signarama

Email whitby@signarama-whitby.ca
 Address 245 King Street East, Oshawa, ON
 Brief Face shields, plexiglass shields, and signage

Sunspace

Phone 1-800-755-3365
 Email contact-us@sunspacesunrooms.com
 Website sunspacesunrooms.com
 Address 300 Toronto Street, Newcastle ON
 Brief Plexiglass shields

Swish Clean-It

Phone 1-855-467-9474
 Email whitby@swishclean.com
 Website swishclean.com

Address 500 Hopkins Street, Whitby ON
 Brief Disinfectant, gloves, and sanitizer

The Environmental Factor

Email sales@environmentalfactor.com
 Website environmentalfactor.com
 Address 85 Chambers Dr #8, Ajax ON
 Brief Face shields

Warren's Printing Place

Phone 905-728-1857
 Email melanie@warrensprinting.com
 Website warrensprinting.com
 Address 596 Woodmount Crescent, Oshawa O
 Brief Masks and signage

Watters Marketing Inc

Phone 905-668-2135
 Email info@wattersmarketing.ca
 Website wattersmarketing.ca
 Address 36 Calder Crescent, Whitby ON
 Brief Sanitizer, masks, face shields, gloves, and signage

Work Authority

Phone 905-436-0460
 Email susan.reid@workauthority.ca
 Website workauthority.ca
 Address 197 Bloor Street East, Oshawa ON
 Brief Sells work equipment, such as steel-toed boots, safety vests and durable clothing to the public

■ ■ ■ Underwater + supply

Dive Source Scuba and Snorkeling Centre

Phone 905-438-8566
 Website divesource.com
 Address 423 Bloor Street West, Oshawa ON
 Brief Retail of scuba diving equipment and accessories

Mount Kirby Skis and Boards

Phone 905-432-7789
 Email mountkirby@rogers.com
 Website mountkirbyskisandboards.com
 Address 495 Taunton Road East, Oshawa ON
 Brief Outdoor adventure retailer

Sail

Phone 905-448-1900
 Website sail.ca
 Address 655 Laval Drive, Oshawa ON
 Brief Outdoor adventure retailer

SportChek

Phone 905-420-120
 Website sportchek.ca
 Address 1355 Kingston Road, Pickering ON
 Brief Sporting goods and clothing

SportChek

Phone 905-433-2012
 Website sportchek.ca
 Address 419 King Street West, Oshawa ON
 Brief Sporting goods and clothing

SportChek

Phone 905-655-9195
 Website sportchek.ca
 Address 320 Taunton Road East, Whitby ON
 Brief Sporting goods and clothing

Transportation

■ ■ ■ Aircraft

Canadian Flight Academy Ltd.

Phone 905-404-9252
 Email heidi.rogers@torontoairways.com
 Website torontoairways.com
 Address 1250 Airport Boulevard, Oshawa ON
 Brief Flying lessons, plane maintenance and flight school

Durham Flight Centre Inc.

Phone 905-720-2831
 Email info@durhamflightcentre.com
 Website durhamflightcentre.com
 Address 1190 Keith Ross Drive, Oshawa ON
 Brief Flight school

Enterprise Airlines

Phone 905-721-0054
 Website enterpriseair.ca
 Address 1190 Keith Ross Drive, Oshawa ON
 Brief Charters

Oshawa Executive Airport

Phone 905-404-9252
 Address 1200 Airport Boulevard, Oshawa ON
 Brief Airport

Total Aviation & Airport Solutions | Oshawa Municipal Airport

Phone 905-576-8146
 Email info@oshawa-airport.com
 Website oshawa-airport.com
 Address 1200 Airport Boulevard, Oshawa ON
 Brief Airport management office

W.G. Cox Aviation Supplies Ltd.

Phone 905-728-4741
 Email info@aviationsupplies.ca
 Website aviationsupplies.ca
 Address 501 Aviator Lane, Oshawa ON
 Brief Aviation equipment supply

■ ■ ■ Car + truck rental**Avis Budget Car & Truck Rental**

Phone 905-686-5849
 Email ratish.selvam@abglocalmarket.ca
 Website avis.ca
 Address 147 Westney Road South, Ajax ON
 Brief Car and truck rentals

Avis Budget Car & Truck Rental

Phone 905-404-4443
 Email ruban.balan@abglobalmarket.ca
 Website avis.ca
 Address 78 Bond Street West, Oshawa ON
 Brief Car and truck rentals

Bullock Car & Truck Sales Ltd.

Phone 705-426-7585
 Website bullock.carpages.ca

Address 428 Mara Road, Beaverton ON
 Brief Pre-owned car and truck retailer

Discount Car and Truck Rental

Phone 905-985-4547
 Website discountcar.com
 Address 14100 Highway 7/12, Port Perry ON
 Brief Car and truck rentals

Discount Car and Truck Rental

Phone 905-666-1513
 Website discountcar.com
 Address 1110 Dundas Street East, Whitby ON
 Brief Car and truck rentals

Discount Car and Truck Rental

Phone 905-839-6510
 Website discountcar.com
 Address 1543 Bayly Street, Pickering ON
 Brief Car and truck rentals

Discount Car and Truck Rental

Phone 905-404-1679
 Website discountcar.com
 Address 444 Taunton Road East, Oshawa ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-728-3370
 Website enterprise.ca
 Address 423 Bloor Street West, Oshawa ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-420-1818
 Website enterprise.ca
 Address 1211 Kingston Road, Pickering ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-430-4535
 Email steven.axe@erac.com
 Website enterprise.ca
 Address 1230 Dundas Street East, Whitby ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-686-5587
 Email bradley.j.pearen@erac.com
 Website enterprise.ca
 Address 355 Bayly Street West, Ajax ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-697-7051
 Website enterprise.ca
 Address 83 Mearns Court, Bowmanville ON
 Brief Car and truck rentals

Enterprise Rent-A-Car

Phone 905-571-1571
 Email kyle.g.donnan@erac.ca
 Website enterprise.ca
 Address 184 King Street West, Oshawa ON
 Brief Car and truck rentals

Estrada Car Rentals

Phone 905-492-5252
 Email sher@estradarentals.com
 Website estradarentals.com
 Address 1630 Bayly Street, Pickering ON
 Brief Car and truck rentals

Hertz

Phone 905-665-5147
 Email swolosewich@hertz.com
 Website hertz.com
 Address 1230 Dundas Street East, Whitby ON
 Brief Car and truck rentals

Hertz

Phone 905-839-9844
 Website hertz.com
 Address 1167 Kingston Road, Unit 5, Pickering ON
 Brief Car and truck rentals

North Port Tire

Phone 905-985-8054
 Address 178 Reach Industrial Park Road Port Perry ON
 Brief Tire sales and services, truck rentals, moving and packing supplies

PractiCar

Phone 905-982-1177
 Website practicar.ca
 Address 1575 7A Highway, Port Perry ON
 Brief Car and truck rentals

R & G Auto Centre

Phone 905-420-1389
 Website rngauto.com
 Address 1600 Bayly Street, Pickering ON
 Brief General auto repair and truck rental

Reliable

Phone 905-725-2227
 Email info@reliablecarrentals.com
 Website reliablecarrentals.com
 Address 369 King Street West, Oshawa ON
 Brief Car and truck rentals

Ryder

Phone 905-723-2335
 Website ryder.com
 Address 300 Wentworth Street East, Oshawa ON
 Brief Truck rental/leasing and automotive repair

Sky High Platforms

Phone 1-800-668-8899
 Email jason@skyhighplatforms.com
 Website rentalcentre.com/skyhigh-platforms
 Address 1850 Champlain Avenue, Whitby ON
 Brief Sky jack and scissor truck rentals

U-Haul

Phone 289-315-0587
 Email amy_romain@u-haul.com
 Website uhaul.com
 Address 239 Station Street, Ajax ON
 Brief Transportation truck rentals and self storage

U-Haul

Phone 905-619-2650
 Website uhaul.com
 Address 1019 Toy Avenue, Pickering ON
 Brief Moving truck rentals

Value Car and Truck Rental

Phone 905-421-9777
 Website valuecartruckrental.com
 Address 1600 Bayly Street, Pickering ON
 Brief Car and truck rental

Value Car and Truck Rental

Phone 905-434-9777
 Website itsaboutvalue.com
 Address 181 Bond Street West, Oshawa ON
 Brief Car and truck rentals (24-hour service available)

■■■ Cartage + storage + moving**Beaverton Yacht Club**

Phone 705-426-7309
 Email beaverton.yacht.club@sympatico.ca
 Address 69 Victoria Avenue, Beaverton ON
 Brief Yacht club and boat storage

Classic Towing and Storage

Phone 905-427-0903
 Email bill@firsttowing.com
 Address 91 Notion Road, Ajax ON
 Brief Towing company and storage facility

Frenchman's Bay Marina

Phone 905-839-5036
 Email info@frenchmansbaymarina.com
 Website frenchmansbaymarina.com
 Address 591 Liverpool Road, Pickering ON
 Brief Marina for boat storage and docking

Handi Storage Ltd.

Phone 905-725-0397
 Website handistorage.ca
 Address 1660 Baseline Road West, Courtice ON
 Brief Self storage units

North Port Tire and Auto

See North Port Tire and Auto p.88

Port Perry Trailer Rentals

Phone 905-985-9650
 Website portperrytrailer.com
 Address 148 North Port Road, Port Perry ON
 Brief Trailer Rentals

Trent Talbot Marina

Phone 705-426-7343
 Email trenttalbot@sympatico.ca
 Website trenttalbotmarina.com
 Address B1267 Thorah Concession Road 9
 Beaverton ON
 Brief Marine supplies, ramp, gas dockage,
 storage, trailer park

U-Haul

Phone 289-315-0587
 Email amy_romain@u-haul.com
 Website uhaul.com

Address 239 Station Street, Ajax ON
 Brief Transportation truck rentals and self storage

U-Haul

Phone 905-619-2650
 Website uhaul.com
 Address 1019 Toy Avenue, Pickering ON
 Brief Moving truck rentals

West Shore Marina

Phone 905-985-2658
 Email westshoremarine@hotmail.com
 Address 2175 Whitfield Road, Port Perry ON
 Brief Boat docking, storage and service

■■■ Limousine services

Airport Limo Oshawa

Phone 289-240-3511
 Address 255 Stevenson Road South, Oshawa ON
 Brief Limousine service

Diamonds Auto Sales Ltd.

Phone 905-619-1900
 Website diamondsauto.carpages.ca
 Address 221 Westney Road South, Ajax ON
 Brief Limousine service

■■■ Picture vehicles + watercraft

Beacon Marina Caesarea

Phone 905-985-3908
 Email beacon_marina@hotmail.com
 Website greenmarine.ca
 Address 3 Marina Drive, Caesarea ON
 Brief Boat marina

Beaverton Yacht Club

Phone 705-426-7309
 Email beaverton.yacht.club@sympatico.ca
 Address 69 Victoria Avenue, Beaverton ON
 Brief Yacht club and boat storage

Bennett Golf Cars & Utility Vehicles

Phone 905-640-7822
 Email info@bennettgolfcars.ca
 Website bennettgolfcars.ca
 Address 4 Paisley Lane, Uxbridge ON
 Brief Retail and service of golf carts and utility vehicles

Bennett Power Sports

Phone 905-430-6360
 Email geoff@bennettpowersports.com
 Website bennettpowersports.com
 Address 701 Brock Street North, Whitby ON
 Brief Power sports retail

Canadian Automotive Museum

Phone 905-576-1222
 Website canadianautomotivemuseum.com
 Address 99 Simcoe Street South, Oshawa ON
 Brief Historical vehicle museum

DT Powersports and Marine

Phone 905-852-3932
 Website dtpowersports.com
 Address 8160 Lake Ridge Road, Uxbridge ON
 Brief Power sports retailer

Durham Marine Services

Phone 905-420-6559
 Website durhammarine.com
 Address 1080 Brock Road, Pickering ON
 Brief Sales of marine equipment, accessories, engines, repairs boats

Eagle Eye Custom Cycles

Phone 905-665-7400
 Website eagleeyecustomcycles.com
 Address 1501 Hopkins Street, Whitby ON
 Brief Custom motorcycle design

Frenchman's Bay Marina

Phone 905-839-5036
 Email info@frenchmansbaymarina.com
 Website frenchmansbaymarina.com
 Address 591 Liverpool Road, Pickering ON
 Brief Marina for boat storage and docking

Gator Custom Auto and Performance

Phone 905-239-2886
 Email info.gatorcustoms@gmail.com
 Website gatorcustomautoperformance.com
 Address 355 Bayly Street West, Ajax ON
 Brief Custom auto service

GP Bikes

Phone 905-428-8983
 Website gpbikes.com
 Address 1100 Champlain Court, Whitby ON
 Brief Motorsports retail

Horizon Custom Cycle

Phone 905-743-0085
 Address 2020 Wentworth Street, Whitby ON
 Brief Motorcycle custom repair shop

Lakeview Marine

Phone 905-982-0300
 Email brandon@lakeviewmarine.com
 Website lakeviewmarine.com
 Address 14025 Highway 7/12, Port Perry ON
 Brief Boat, boat trailer and boating supplies

Mackie Harley-Davidson

Phone 905-434-6550
 Website mackieharleydavidson.com
 Address 850 Champlain Avenue, Oshawa ON
 Brief Motorsports retail specializing in Harley-Davidsons

Mazi Motorsports

Phone 905-665-0305
 Email info@mazimotorsports.ca
 Website mazimotorsports.com
 Address 1501 Hopkins Street, Whitby ON
 Brief Motorsports retail - ATV's, carts, etc.

MB Master

Phone 905-231-1081
 Email benzjordan@gmail.com
 Address 415 MacKenzie Avenue, Ajax ON
 Brief Auto body shop

Motor City Custom

Phone 905-725-1821
 Email brock@motorcitycustom.com
 Website motorcitycustom.com

Address 287 Dean Avenue, Oshawa ON
 Brief Motorsports retail

Nats Marine Supplies Ltd.

Phone 905-837-1846
 Website natsmarinesupplies.com
 Address 590 Liverpool Road, Pickering ON
 Brief Marine supply store, boat accessories

Northport Auto & Trailer Sales Repairs and Service

Phone 905-985-9330
 Email len@northporttrailers.com
 Website northporttrailers.com
 Address 181 North Port Road, Port Perry ON
 Brief Utility trailer sales, repair and cargo

Port Perry Marina

Phone 905-985-3236
 Website portperrymarina.ca
 Address 215 Water Street, Port Perry ON
 Brief Marina

Port Perry Yacht Club

Phone 905-431-8251
 Website perryyachtclub.com
 Address 20715 Brunon Avenue, Port Perry ON
 Brief Yacht club

Port Whitby Marina

Phone 905-668-1900
 Email marina@whitby.ca
 Website whitby.ca
 Address 301 Watson Street East, Whitby ON
 Brief Full service marina, dockage, rentals, boat lifting, etc.

Port Whitby Marine Supplies

Phone 905-668-4077
 Email info@portwhitbymarinesupplies.com
 Website portwhitbymarinesupplies.com
 Address 1636 Charles Street, Whitby ON
 Brief Marine supplies

Roy J Lewis Enterprises Ltd.

Phone 905-640-1836
 Address 275 Webb Road, Udora ON
 Brief Boats and outboards

Scott's Custom Classics

Phone 905-686-4722
 Email jscott@scottscustomclassics.com
 Website scottscustomclassics.com
 Address 200 Fuller Road, Unit 4, Ajax ON
 Brief Automotive repair and restoration

Scugog Island Marina

Phone 905-985-8200
 Email frank@scugogislandmarina.ca
 Website scugogislandmarina.ca
 Address 495 Carnegie Beach Road, Port Perry ON
 Brief Marina

Swans Yacht Sales

Phone 905-430-3390
 Email john@swansyachtsales.com
 Website swansyachtsales.com
 Address 1710 Charles Street, Whitby ON
 Brief Boat sales

Trent Talbot Marina

Phone 705-426-7343
 Email trenttalbot@sympatico.ca
 Website trenttalbotmarina.com
 Address B1267 Thorah Concession Road 9
 Beaverton ON
 Brief Marine supplies, ramp, gas dockage, storage, trailer park

West Shore Marina

Phone 905-985-2658
 Email westshoremachine@hotmail.com
 Address 2175 Whitfield Road, Port Perry ON
 Brief Boat docking, storage and service

Whitby Yacht Club

Phone 905-668-1391
 Website wyc.ca
 Address 701 Gordon Street, Whitby ON
 Brief Whitby Yacht Club

■ ■ ■ Unit vehicles + RV**Camping In Style**

Phone 905-655-8198
 Website campinginstyle.com
 Address 7725 Baldwin Street North, Whitby ON
 Brief Camper and RV retailer

Campkins RV Centre

Phone 905-655-8613
 Website campkins.com
 Address 9760 Baldwin Street North, Whitby ON
 Brief RV sales, parts, equipment, etc.

GTA RV

Phone 416-897-8793
Website gtarv.com
Address 172 Hunt Street, Ajax ON
Brief RV sales

J.D. Equipment Corp.

Phone 905-434-2553
Email jdtrailer@bellnet.ca
Website jdtrailer.ca
Address 628 Howard Street, Oshawa ON
Brief Retailer of trailers and trailer equipment, and equipment rentals

Jensen Trailer Sales & Service

Phone 905-571-2525
Website jensentrailers.com
Address 465 Bloor Street West, Oshawa ON
Brief Sells and repairs trailers and rigs



York Durham Heritage Railway, Uxbridge





Location
gallery



Tin Mill Restaurant, Uxbridge

historical
locations





Canadian Automotive Museum Interior, Oshawa



St. Paul's Church, Uxbridge



Canadian Automotive Museum Exterior, Oshawa



Ontario Regiment RCAC, Oshawa



William F. White Backlot, Pickering



Ebor House, Clarington

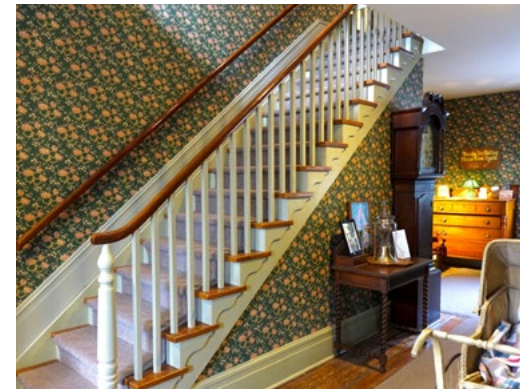




Tyrone Mills, Clarington



Lynde House Museum, Whitby



modern
locations



Private Residence, Scugog



Trent University Durham GTA, Oshawa



Ajax Convention Centre, Ajax



Ryan Phillips Terminal, Oshawa



Durham College, Whitby

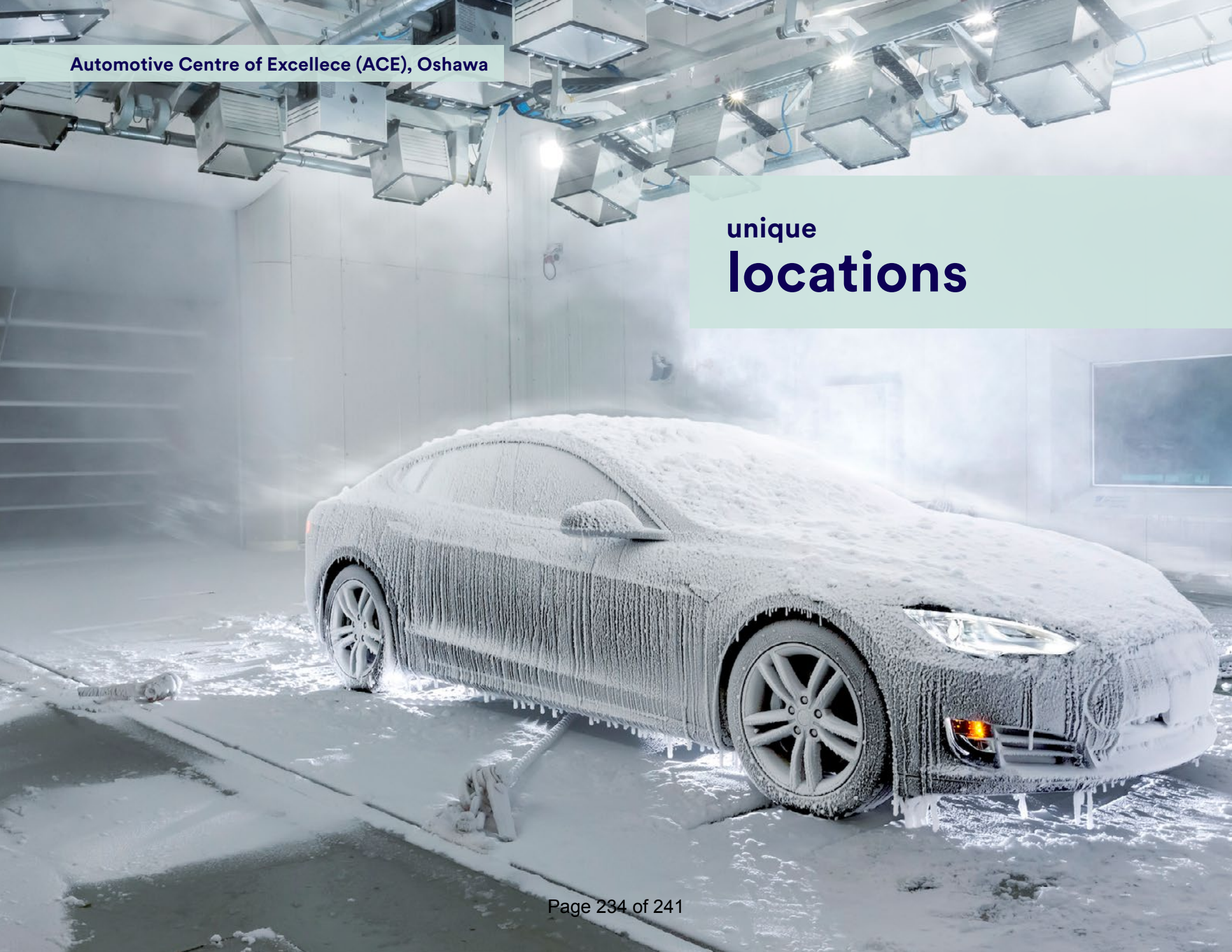


Holiday Inn, Oshawa



Homewood Suite, Ajax

unique
locations





Ganaraska Forest Centre, Clarington



Beaverton Marina, Brock



Ganaraska Forest Centre Building Interior, Clarington



Port of Oshawa, Oshawa



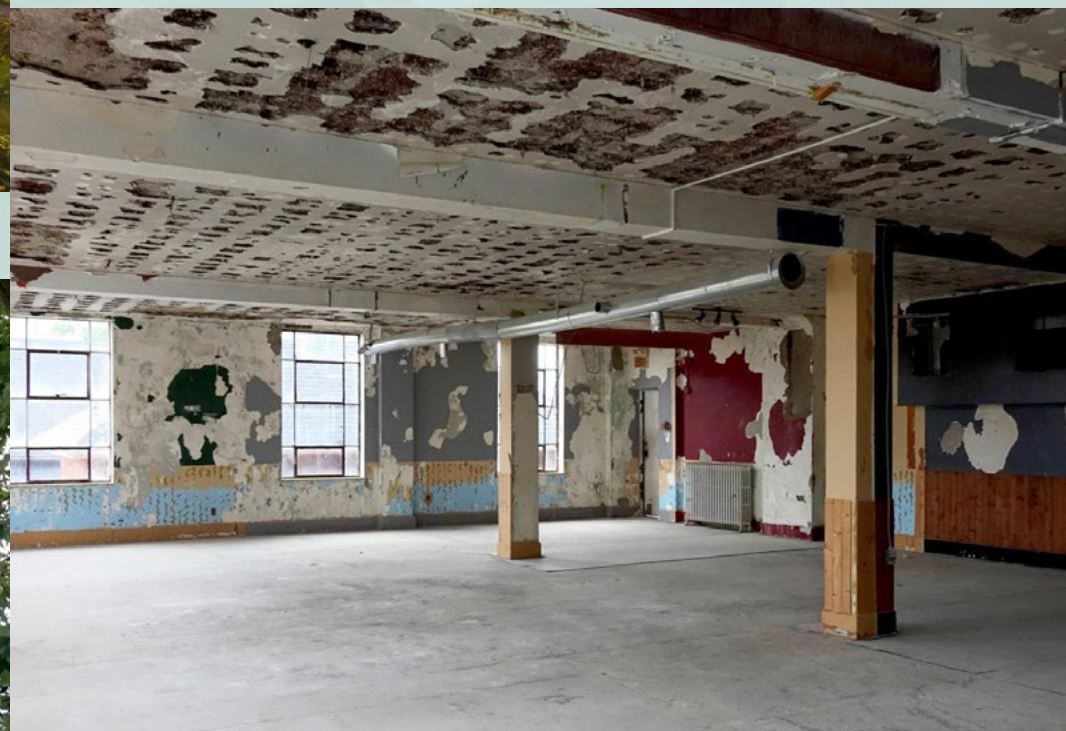
Whitby Yacht Club, Whitby



D'Hillier Park, Whitby



Old Mill and Marina, Port Perry



44 Bond Street, Oshawa



Jungle Cat World, Clarington

urban and rural
locations





Port Perry Harbour, Port Perry



Downtown Port Perry, Port Perry



Heritage House, Pickering



Downtown Uxbridge, Uxbridge



Ken Jen Petting Zoo, Oshawa



Beaverton Port Office, Brock



Downtown Oshawa, Oshawa



Ajax Downs, Ajax



Pickering Museum Village, Pickering

Have a question?

For assistance and support contact

Film Liaison, Eileen Kennedy

☎ T 905-668-4113 ext.2617 | ☎ C 289-927-7119

✉ eileen.kennedy@durham.ca

If this information is required in an accessible format,
please call:

☎ TF 1-800-372-1102 ext.3663



The Regional Municipality of Durham

605 Rossland Road East, PO Box 623
Whitby, ON Canada L1N 6A3

Resolutions from Advisory Committees

Durham Active Transportation Committee

1. June Bike Month

That we recommend to the Planning and Economic Development Committee for approval and subsequent recommendation to Regional Council:

Whereas June is Bike Month;

And whereas Durham Regional Planning Staff have organized numerous bike friendly activities annually for over a decade to educate residents about cycling safety, promote the benefits of cycling, and encourage residents to bike more by participating in Bike Month throughout the month of June;

And whereas the Durham Active Transportation Committee fully supports the Region's planned Bike Month activities;

Now therefore be it resolved that the Durham Active Transportation Committee request Regional Council's support of the planned Regional Bike Month activities and proclaim the month of June as Bike Month in the Region of Durham.