



# Electronic General Committee Meeting

## Revised Agenda

### Revised Items are Italicized.

Meeting Number: 8

May 10, 2021, 9:30 AM - 1:00 PM

Live streamed

**Note: Due to COVID-19, our facilities are closed to the public. Access is not permitted to the Markham Civic Centre and Council Chamber.**

Members of the public can participate by:

#### **1. VIEWING THE ONLINE LIVESTREAM**

General Committee meetings are video and audio streamed at: <https://pub-markham.escribemeetings.com/>

#### **2. EMAILING A WRITTEN SUBMISSION:**

Members of the public may submit written deputations by email to [clerkspublic@markham.ca](mailto:clerkspublic@markham.ca).

**Written submissions must be received by 5:00 p.m. the day before the meeting\***

\*If the deadline for written submission has passed, you may:

- a. Email your written submission directly to Members of Council; or
  - b. Make a virtual deputation at the meeting by completing and submitting an online Request to Speak Form
- \*If the deadline for written submission has passed and Council has finished debate on the item at the meeting, you may email your written submission directly to Members of Council.

#### **3. REQUEST TO SPEAK / VIRTUAL DEPUTATION :**

Members of the public who wish to make a live virtual deputation, please register prior to the start of the meeting by:

1. Completing an online Request to Speak Form or,
  2. E-mail [clerkspublic@markham.ca](mailto:clerkspublic@markham.ca) providing full name, contact information and item they wish to speak, or,
  3. If you do not have access to email, contact the Clerk's office at 905-479-7760 on the day of the meeting.
- \*If Committee has finished debate at the meeting on the item, you may email your written submission directly to Members of Council. The list of Members of Council is available online at [this link](#).

Alternate formats for this document are available upon request.

General Committee meetings are live video and audio streamed on the City's website.

Closed captioning during the video stream may be turned on by clicking the [cc] icon located at the lower right corner of the video screen.

Please bring this General Committee Agenda to the Council meeting on May 26, 2021.

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1. **CALL TO ORDER**
2. **DISCLOSURE OF PECUNIARY INTEREST**
3. **APPROVAL OF PREVIOUS MINUTES**
  - 3.1. **MINUTES OF THE APRIL 26, 2021 GENERAL COMMITTEE (16.0)** 7
    1. That the minutes of the April 26, 2021 General Committee meeting be confirmed.
4. **DEPUTATIONS**
5. **COMMUNICATIONS**
  - 5.1. **YORK REGION COMMUNICATIONS (13.4)** 21

**Note: Questions regarding Regional correspondence should be directed to Chris Raynor, Regional Clerk.**

    1. That the following communications dated April 26, 2021 from York Region be received for information purposes:
      - a. Transportation Services Capital Infrastructure Status Update
      - b. 2020 Integrated Management System Update Report for Water, Wastewater and Waste Management
      - c. 2020 Drinking Water Systems Report
      - d. Pedestrian Crossover Policy Regional Roads
      - e. 2021 Property Tax Rates
      - f. 2020 Regional Centres and Corridors Update
      - g. ventureLAB 2020 Results
      - h. Growth and Development Review 2020
6. **PETITIONS**
7. **CONSENT REPORTS - FINANCE & ADMINISTRATIVE ISSUES**
  - 7.1. **MINUTES OF THE MARCH 22, 2021 MARKHAM PUBLIC LIBRARY BOARD (16.0)** 215
    1. That the minutes of the March 22, 2021, Markham Public Library

Board meeting be received for information purposes.

**7.2. MINUTES OF THE MARCH 1, 2021 RACE RELATIONS COMMITTEE (16.0)** 225

1. That the minutes of the March 1, 2021, Race Relations Committee meeting be received for information purposes.

**7.3. 2021 TAX RATES AND LEVY BY-LAW (7.3)** 229

S. Manson, ext. 7514

1. That the report dated May 10<sup>th</sup>, 2021 entitled “2021 Tax Rates and Levy By-law” be received; and,
2. That a by-law to provide for the levy and collection of property taxes totalling \$765,868,900 required by the City of Markham, the Regional Municipality of York, Province of Ontario (Education) and Business Improvement Areas, in a form substantially similar to Appendix A (attached), satisfactory to the City Solicitor and provides for the mailing of notices and requesting payment of taxes for the year 2021, as set out as follows, be approved; and,

<b>TAX LEVYING BODY</b>	<b>2021 TAX LEVY AMOUNT</b>
City of Markham	\$164,739,938
Region of York	\$350,366,218
Province of Ontario (Education)	\$250,387,964
Markham Village BIA	\$160,559
Unionville BIA	\$214,221
<b>Total</b>	<b>\$765,868,900</b>

3. That the report dated May 10<sup>th</sup>, 2021 entitled “2021 Tax Rates and Levy By-law” be received; and,

4. That a by-law to provide for the levy and collection of property taxes totalling \$765,868,900 required by the City of Markham, the Regional Municipality of York, Province of Ontario (Education) and Business Improvement Areas, in a form substantially similar to Appendix A (attached), satisfactory to the City Solicitor and provides for the mailing of notices and requesting payment of taxes for the year 2021, as set out as follows, be approved; and,

5. That staff be authorized to levy against Markham Stouffville Hospital and Seneca College the annual levy pursuant to Section 323 of the *Municipal Act, 2001*, as outlined in Section 9 of the attached by-law once the required information is received from the

Ministry of Training, Colleges and Universities; and,

6. That the attached by-law be passed to authorize the 2021 Tax Rates and Levy By-law; and further,

7. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

#### **7.4. MARCH YEAR-TO-DATE RESULTS OF OPERATIONS (7.0) 240**

L. Chen, ext. 3880 and J. Pak, ext. 2514

1. That the report titled “2021 March Year-To-Date Results of Operations” be received; and,
2. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

### **8. CONSENT REPORTS - COMMUNITY SERVICES ISSUES**

#### **8.1. THE MECP – MARKHAM DISTRIBUTION SYSTEM – DRINKING WATER INSPECTION REPORT, FEBRUARY 03, 2021 (5.3) 264**

H. Frantzke, ext. 2449

1. That the report entitled “The MECP – Markham Distribution System – Drinking Water Inspection Report, February 03, 2021” be received; and further,
2. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

### **9. REGULAR REPORTS - COMMUNITY SERVICES ISSUES**

#### **9.1. OPERATIONS WINTER MAINTENANCE UPDATES (5.10) 296**

D. Plant, ext. 4893 and B. Budhu, ext. 2748

1. That the report titled “Operations Winter Maintenance Updates” be received; and,
2. That the existing practice for not clearing snow on non-asphalt pathways be continued; and,
3. That the staff recommendations for the 2021 – 2022 winter season for park pathway clearing be adopted; and,
4. That the estimated cost of \$121,711.29 for clearing pathways City-wide be funded from the existing 2021-2022 winter maintenance operating budget; and,
5. That the staff recommendations for the development of 3-4 potential key skating surfaces throughout the City at an estimated one-time cost

of \$27,624.00 to be funded from the existing 2021-2022 Parks Facility Maintenance operating budget be adopted; and further,

6. That staff be authorized and directed to do all things necessary to give effect to this resolution.

10. **MOTIONS**

11. **NOTICES OF MOTION**

12. **NEW/OTHER BUSINESS**

*As per Section 2 of the Council Procedural By-Law, "New/Other Business would generally apply to an item that is to be added to the **Agenda** due to an urgent statutory time requirement, or an emergency, or time sensitivity".*

13. **ANNOUNCEMENTS**

14. **CONFIDENTIAL**

14.1. **FINANCE & ADMINISTRATIVE ISSUES**

14.1.1. **GENERAL COMMITTEE CONFIDENTIAL MINUTES- APRIL 26, 2021 (16.0) [ Section 239 (2) (f)]**

14.2. **LAND, BUILDING & PARKS CONSTRUCTION ISSUES**

14.2.1. **A PROPOSED OR PENDING ACQUISITION OR DISPOSITION OF LAND BY THE CITY OR LOCAL BOARD (8.6) [Section 239 (2) (c)]**

15. **ADJOURNMENT**

### **Information Page**

**General Committee Members:** All Members of Council

#### **General Committee**

Chair: Regional Councillor Jack Heath

Vice Chair: Councillor Khalid Usman

#### **Finance & Administrative Issues**

Chair: Regional Councillor Jack Heath

Vice Chair: Councillor Khalid Usman

#### **Community Services Issues**

Chair: Councillor Karen Rea

Vice Chair: Councillor Isa Lee

#### **Environment & Sustainability Issues**

Chair: Regional Councillor Joe Li

Vice Chair: Councillor Reid McAlpine

#### **Land, Building & Parks Construction Issues**

Chair: Councillor Keith Irish

Vice Chair: Councillor Andrew Keyes

General Committee meetings are audio and video streamed live at the City of Markham's website.

Alternate formats are available upon request.

**Consent Items:** All matters listed under the consent agenda are considered to be routine and are recommended for approval by the department. They may be enacted on one motion, or any item may be discussed if a member so requests.

**Note:** The times listed on this agenda are approximate and may vary; Council may, at its discretion, alter the order of the agenda items.

**Note: As per the Council Procedural By-Law, Section 7.1 (h)  
General Committee will take a 10 minute recess after  
two hours have passed since the last break.**



## Electronic General Committee Meeting Minutes

**Meeting Number: 7**

**April 26, 2021, 9:30 AM - 1:00 PM**

**Live streamed**

Roll Call	Mayor Frank Scarpitti Deputy Mayor Don Hamilton Regional Councillor Jack Heath Regional Councillor Joe Li Regional Councillor Jim Jones Councillor Keith Irish Councillor Alan Ho	Councillor Reid McAlpine Councillor Karen Rea Councillor Andrew Keyes Councillor Amanda Collucci Councillor Khalid Usman Councillor Isa Lee
Staff	Andy Taylor, Chief Administrative Officer Trinela Cane, Commissioner, Corporate Services Arvin Prasad, Commissioner, Development Services Claudia Storto, City Solicitor and Director of Human Resources Joel Lustig, Treasurer Bryan Frois, Chief of Staff Martha Pettit, Deputy City Clerk Catherine Biss, Chief Executive Officer Adam Grant, Fire Chief Mary Creighton, Director, Recreation Services Graham Seaman, Director, Sustainability & Asset Management Alex Moore, Manager of Purchasing & Accounts Payable	Morgan Jones, Director, Operations Meg West, Manager of Business Planning and Projects Shane Manson, Senior Manager, Revenue & Property Taxation Mark Visser, Sr Manager Strategy Innovation & Investments Eddy Wu, Acting Director, Environmental Services Hristina Giantsopoulos, Election/Council & Committee Coordinator John Wong, Technology Support Specialist II Ned Sirry, Acting Chief Information Officer Lisa Chen, Sr. Manager, Financial Planning & Reporting Jason Ramsaran, Facility Assets Coordinator Rob Grech, Manager, Stormwater Bindi Patel, Supervisor, Community Program

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## **1. CALL TO ORDER**

Under the authority of the *COVID-19 Economic Recovery Act, 2020* (Bill 197) and the City of Markham's *Council Procedural By-law 2017-5*, and in consideration of the advice of public health authorities, this meeting was conducted electronically with members of General Committee, staff, and members of the public participating remotely.

General Committee convened at 9:35 AM with Regional Councillor Jack Heath presiding as Chair for all items on the agenda.

The Committee resolved into confidential session at 10:41 AM and reconvened into open session at 11:07 AM. The Committee resolved into confidential session once more at 3:52 PM.

The Committee recessed for lunch at 12:11M and reconvened at 12:50 PM.

## **2. DISCLOSURE OF PECUNIARY INTEREST**

There were none disclosed.

## **3. APPROVAL OF PREVIOUS MINUTES**

### **3.1 MINUTES OF THE APRIL 6, 2021 GENERAL COMMITTEE (16.0)**

Moved by Deputy Mayor Don Hamilton

Seconded by Councillor Khalid Usman

1. That the minutes of the April 6, 2021 General Committee meeting be confirmed.

**Carried**

## **4. PRESENTATION**

### **4.1 BUILDING MARKHAM'S FUTURE TOGETHER 2020-2023 STRATEGIC PLAN (7.0)**

Meg West addressed the Committee and delivered a presentation entitled, Building Markham's Future Together 2020-2023 Strategic Plan, which provided a progress update on City initiatives as they relate to the goals as set out in the strategic plan.

The Committee thanked Meg West, and staff for their work on the presentation and the initiatives as well as on achieving milestones in consideration of the redirection on some of them due to the pandemic.

There was discussion on the following:

- Consideration to provide additional context in relation to the net operating costs per household;
- Inquiry into the ratio of non-residential property taxes as a percentage of total property taxes levied;
- The Provincial Financial Information Return and related measurements;
- The administration of the ten satisfaction surveys, what they measured and what the results indicated; and,
- The agility of staff to continue to provide services and make enhancements in the changing environment.

Staff provided information in relation to the inquiries.

Moved by Mayor Frank Scarpitti

Seconded by Councillor Amanda Collucci

1. That the report entitled Building Markham's Future Together (BMFT) 2020 – 2023 Strategic Plan Update be received; and,
2. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

**Carried**

## **5. DEPUTATIONS**

There were deputations on Item 11.1 Tamil Memorial Monument. Please refer to the item for details.

## **6. COMMUNICATIONS**

### **6.1 YORK REGION COMMUNICATIONS (13.4)**

Moved by Regional Councillor Joe Li

Seconded by Councillor Khalid Usman

1. That the following communication dated March 31, 2021 from York Region be received for information purposes:
  - a. 2021 Property Tax Ratios

**Carried**

**7. PETITIONS**

There were no petitions.

**8. CONSENT REPORTS - FINANCE & ADMINISTRATIVE ISSUES**

**8.1 MINUTES OF THE JANUARY 25, 2021 MARKHAM PUBLIC LIBRARY BOARD (16.0)**

Moved by Mayor Frank Scarpitti

Seconded by Councillor Alan Ho

1. That the minutes of the January 25, 2021 Markham Public Library Board meeting be received for information purposes.

**Carried**

**8.2 MINUTES OF THE FEBRUARY 10, 2021, FEBRUARY 17, 2021 ANNUAL GENERAL MEETING, AND MARCH 10, 2021 BOARD OF MANAGEMENT UNIONVILLE BUSINESS IMPROVEMENT AREA (16.0)**

Moved by Mayor Frank Scarpitti

Seconded by Councillor Alan Ho

1. That the minutes of the February 10, 2021, February 17, 2021 Annual General Meeting and March 10, 2021 Board of Management Unionville Business Improvement Area Committee meetings be received for information purposes.

**Carried**

**8.3 2021 FIRST QUARTER INVESTMENT PERFORMANCE REVIEW (7.0)**

Moved by Mayor Frank Scarpitti

Seconded by Councillor Alan Ho

1. That the report dated April 26, 2021 entitled “2021 First Quarter Investment Performance Review” be received.

**Carried**

#### **8.4 2021 UNIONVILLE BUSINESS IMPROVEMENT AREA AND MARKHAM VILLAGE BUSINESS IMPROVEMENT AREA OPERATING BUDGETS (7.4)**

Moved by Mayor Frank Scarpitti

Seconded by Councillor Alan Ho

1. That the report titled “2021 Unionville Business Improvement Area and Markham Village Business Improvement Area Operating Budgets” dated April 26, 2021 be received; and,
2. That the 2021 Operating Budget in the amount of \$300,000 for the Unionville Business Improvement Area (UBIA) be approved; and,
3. That the 2021 Operating Budget in the amount of \$265,763 for the Markham Village Business Improvement Area (MVBIA) be approved; and,
4. That the Special Tax Rate levy, in the amount of \$214,221 for the UBIA members and \$160,559 for the MBIA members be included in the 2021 Tax Levy By-law; and further,
5. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

**Carried**

### **9. PRESENTATIONS - ENVIRONMENT & SUSTAINABILITY ISSUES**

#### **9.1 MARKHAM VILLAGE AND UNIONVILLE FLOOD MITIGATION STUDY (5.0)**

Rob Grech addressed the Committee to provide an update on the Flood Control Program and delivered a presentation entitled Markham Village-Unionville Flood Mitigation which included background information on the program, study findings, potential mitigation solutions and an update on the rate structure.

- The estimated completion time for the blue, yellow and green coloured areas on the map on Slide 4 of the presentation;
- Consideration to advance the completion of these initiatives especially for high risk areas;
- That there be flexibility within the program to extend the 2019 rate structure to small areas such as Locust Hill;
- The implications of the potential installation of a larger pipe to increase the capacity of Church Street and the surrounding area;
- How the Markham Village/Unionville study related to the ongoing work associated with the Mount Joy Secondary Plan;
- That Unionville residents and rate-payers be notified of a public meeting, and that Councillors be contacted to help with notifying the public of public meetings;
- Inquiry into whether Sir Lancelot is included in the study and future mitigation plans in this area; and,
- The potential for hardening/paving of backyards to impact the stormwater system.

Staff provided information in relation to the current projected completion dates and that an upcoming presentation will address the mitigation strategies for smaller areas such as Locust Hill. Public meetings have been planned for the effective areas to review the current strategies.

Moved by Councillor Khalid Usman

Seconded by Deputy Mayor Don Hamilton

1. That the presentation entitled “Markham Village/Unionville Flood Control Study Results,” be received; and,
2. That Staff be authorized to hold Public Meetings to obtain feedback on the proposed implementation plan for the Markham Village and Unionville Mitigation Project; and,
3. That Staff report back to Council with feedback obtained from the public prior to endorsement of the implementation plan for the Markham Village/Unionville Project; and further,

4. That staff be authorized and directed to do all things necessary to give effect to this resolution.

**Carried**

## **10. REGULAR REPORTS - FINANCE & ADMINISTRATIVE ISSUES**

### **10.1 STAFF AWARDED CONTRACTS FOR THE MONTH OF MARCH 2021 (7.12)**

There was an inquiry into the following staff award:

- 269-Q-20 Printing and Distribution of Councillors Ward Newsletters.

Moved by Councillor Karen Rea

Seconded by Councillor Reid McAlpine

That the report entitled “Staff Awarded Contracts for the Month of March 2021” be received; and,

That Staff be authorized and directed to do all things necessary to give effect to this resolution.

**Carried**

### **10.2 274-R-20 INTEGRITY COMMISSIONER SERVICES FOR CITY COUNCIL**

Trinela Cane, Commissioner, Corporate Services, addressed the Committee to advise that staff recently underwent an Request For Proposal process for the procurement of an Integrity Commissioner for the City. ADR Chambers won the contract award having attained the highest evaluation score.

The Committee discussed the following in relation to this contract award:

- The depth of experience and the selection process;
- The manner which other municipalities select their Integrity Commissioners;
- The complexity of *Municipal Conflict of Interest Act*;
- Consideration for a list of additional lawyers to refer to on matters of conflicts of interest;
- The compensation structure for the Integrity Commissioner;

- The holding of a workshop on the *Municipal Conflict of Interest Act*, the role of the Integrity Commissioner, trend analysis and the types of investigations that have occurred in Ontario; and,
- Alternative IC service delivery models.

Kimberley Kitteringham, City Clerk, addressed the Committee and provided information on which other municipalities are also serviced by ADR Chambers. She advised they have a roster of experienced individuals to provide advice and assistance on municipal conflict of interest matters. Staff indicated that municipalities are required to have an Integrity Commissioner (IC) to receive complaints on perceived contraventions of the Council Code of Conduct and that ADR Chambers won the award as per the current procurement process and the Council approved selection model. She also reaffirmed that a Council workshop can be arranged in the Fall to provide the requested information.

The Committee requested staff provide additional information via a memo on this matter on the May 26, 2021 Council Meeting Agenda.

Moved by Councillor Amanda Collucci  
Seconded by Regional Councillor Jim Jones

1. That the report entitled “Integrity Commissioner Services for City Council” be received; and,
2. That the contract for 274-R-20 Integrity Commissioner Services for City Council be awarded to the highest ranked/lowest priced bidder, ADR Chambers Inc. for a term of five (5) years in an annual retainer amount of \$17,299.20 inclusive of HST; and,
  - July 2021-June 2022 - \$17,299.20
  - July 2022-June 2023 - \$17,299.20
  - July 2023-June 2024 - \$17,299.20
  - July 2024-June 2025 - \$17,299.20
  - July 2025-June 2026 - \$17,299.20

**Total \$86,496.00**

3. That staff be authorized to issue an additional purchase order to ADR Chambers Inc. in an annual amount of \$6,023.80 to be utilized for investigations, additional meetings, workshops, and presentations on an as required basis; and,
4. That the contract include an option for the City (in its sole discretion) to extend the contract for up to five (5) one (1) year terms, subject to a CPI increase (all-item Ontario) to a maximum of 2%; and,
5. That the Commissioner, Corporate Services be authorized to exercise this option to extend the contract for such additional one (1) year terms on behalf of the City and execute any required documentation in a form satisfactory to the City Solicitor; and,
6. That the contract be funded from the 840-841-7899 (Integrity Commissioner) in the amount of \$23,323.00 (\$17,299.00 + \$6,023.80) and any future years be subject to Council approval of the annual operating budget;
7. That this item be placed on the May 26, 2021 Council Meeting Agenda; and,
8. **That a Council workshop be arranged in the Fall; and further,**
9. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

**Carried**

## 11. MOTIONS

### 11.1 TAMIL MEMORIAL MONUMENT (12.0)

Councillor Khalid Usman read the motion aloud and requested the following two changes:

- That Tamil people be changed to Tamil community; and
- That waterfall or garden be replaced with waterfall or peace garden.

These changes were considered friendly and were agreed to by Regional Councillor Jim Jones, the seconder of this motion.

The Committee consented to resolve into confidential session to receive legal advice on the proposed motion in view of correspondence recently received by Committee Members on same. Please refer to Item 15.1.1.

Councillor Usman further addressed the Committee and advised this is an important issue to the residents he represents and that the creation of the proposed

waterfall or peace garden will help the Tamil community recognize those who lost their lives.

The Committee heard from the following deputants in relation to this item:

Dr. Joseph Chandrakantham, expressed support for the motion.

Roy Wignarajah, expressed support for the motion.

Balan Alagaratnam, expressed support for the motion.

Joseph Remisiar, expressed support for the motion.

Killivalavan Chelliah, noted that he will listen to the meeting.

Logan Logendralingam, expressed support for the motion.

Saira Rasakumar, expressed support for the motion.

Mahenth Sivaruban, expressed support for the motion.

Mary Jaya Inpanayagam, expressed support for the motion.

Yalini Rajakulasingam, expressed support for the motion.

Malar Varatharaja, expressed support for the motion.

Juanita Nathan, expressed support for the motion.

Neethan Shan, expressed support for the motion.

Kapila Jayaweera, Consul General from the Sri Lanka Consulate, expressed opposition for the motion.

The Committee thanked all of the deputants for their participation in the meeting. Mayor Scarpitti noted that the City of Markham welcomes people of all backgrounds and supports all of its communities.

The Committee discussed the following:

- The establishment of a peace garden;
- The need to have a selected location prior to fund raising;
- The manner in which the City should allocate public space in order to ensure fairness for all communities;
- A fair approach to recognizing significant historic events; and,
- The need for a formal City policy to address these types of requests going forward.

The Committee requested that this matter be referred back to staff for a report on a City policy.

Moved by Councillor Khalid Usman

Seconded by Councillor Karen Rea

That Item 11.1 Tamil Memorial Monument be moved forward to Item 5, Deputations.

**Carried**

Moved by Mayor Frank Scarpitti

Seconded by Deputy Mayor Don Hamilton

1. **That the matter be referred to staff for a report to be brought back to General Committee by end of October, 2021 on the creation of a policy regarding the erection of memorials on municipal property; and,**
2. **That the deputations from Joseph Chandrakanthan, Roy Wignarajah, Balan Alagaratnam, Joseph Remisiar, Killivalavan Chelliah, Logan Logendralingam, Saira Rasakumar, Mahenth Sivaruban, Mary Jaya Inpanayagam, Yalini Rajakulasingam, Malar Varatharaja, Juanita Nathan, Neethan Shan, and, Kapila Jayaweera be received; and,**
3. **That the written communications from Sunimal Karunaratne, Hewage Law Group, Chandre Dharma-wardana, Don J. Wick, Mal Munasingha, and Sena Munasinghe be received; and further,**
4. **That Staff be authorized and directed to do all things necessary to give effect to this resolution.**

**Carried**

Moved by Councillor Khalid Usman

Seconded by Regional Councillor Jim Jones

Whereas the City of Markham is home to a large community of Tamil diaspora with over 21,000 living in Markham; and

Whereas The City of Markham's Tamil community has made significant contributions to business, culture, and art in the City of Markham; and

Whereas the City of Markham acknowledges that during the Sri Lankan civil war thousands of Tamil civilians lost their lives; and

Whereas the City of Markham condemns the demolition of a memorial site built in Sri Lanka at Jaffna University in 2019 which was dedicated to the Sri Lankan civilians who lost their lives in the Mullivaikkal at the end of their 26 year civil war in Sri Lanka ending in May of 2009; and

Therefore the City of Markham will join with the Tamil diaspora in Markham to build a memorial in the shape of a waterfall or **peace garden** for the Sri Lankan Tamils that lost their lives in Sri Lanka fighting a 26 year civil war; and

Therefore this proposed memorial be built in collaboration with the **Tamil community** and the City of Markham; and

Therefore the proposed memorial site be built as a waterfall or **peace garden** or another style memorial that meets Bylaw requirements and is located in a designated park in Ward 7 of Markham which has a large Tamil diaspora; and

Therefore the funding for this initiative be arranged by the community through fundraising efforts within the community and once attained the City of Markham will provide a suitable size land for this initiative with installation of this initiative at no cost to the community; and

Therefore this proposed designated site be in accordance with Markham City bylaws and with the Markham community.

## 12. NOTICES OF MOTION

There were no notices of motion.

## 13. NEW/OTHER BUSINESS

The Committee raised an item of new business regarding resident concerns about coyotes and measures that the City can take to address them in the interest of public safety.

The Committee consented that this matter be referred to the City Clerk and that a response be brought back to a General Committee meeting in the coming weeks with consideration to include the Toronto Regional Conservation Authority and Parks Canada.

Staff noted the positive impact that the City's new animal care officers have made on these types of matters and advised that a written response and presentation with information on potential next steps will be provided as requested.

## 14. ANNOUNCEMENTS

There were no announcements.

## **15. CONFIDENTIAL ITEMS**

General Committee resolved into confidential session at 10:41 AM to obtain legal advise in relation to agenda Item 11.1 Tamil Memorial Monument and reconvened into open session at 11:07 AM.

General Committee adjourned at 3:31 PM and convened into closed session after a brief recess at 3:52 PM. The Committee did not return to open session and consented to place Item 15.1.3 on the May 4, 2021 Restricted and Confidential Council Meeting Agenda and Item 15.2.1 on the May 4, 2021 Confidential Council Meeting Agenda for consideration.

Moved by Councillor Karen Rea

Seconded by Mayor Frank Scarpitti

That, in accordance with Section 239 (2) (f) of the Municipal Act, General Committee resolve into a confidential session at 10:41 AM to obtain advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

**Carried**

Moved by Regional Councillor Joe Li

Seconded by Mayor Frank Scarpitti

That, in accordance with Section 239 (2) of the Municipal Act, General Committee resolve into a confidential session to discuss the following matters:

**Carried**

### **15.1 FINANCE & ADMINISTRATIVE ISSUES**

#### **15.1.1 ADVICE THAT IS SUBJECT TO SOLICITOR-CLIENT PRIVILEGE, INCLUDING COMMUNICATIONS NECESSARY FOR THAT PURPOSE**

Legal advice in relation to Item 11.1 Tamil Memorial Monument.

#### **15.1.2 APPROVAL OF RESTRICTED AND CONFIDENTIAL GENERAL COMMITTEE MINUTES – FEBRUARY 18, 2020; SEPTEMBER 8, 2020, NOVEMBER 30, 2020 AND DECEMBER 7, 2020 (16.0) [Section 239 (2) (b)(d)]**

General Committee confirmed the Restricted and Confidential General Committee Minutes

**15.1.3 LABOUR RELATIONS OR EMPLOYEE NEGOTIATIONS; RESTRICTED AND CONFIDENTIAL (11.0) [SECTION 239 (2)(d)]**

The Committee consented to place this item on the May 4, 2021 Restricted and Confidential Council Meeting Agenda for consideration.

**15.2 LAND, BUILDING & PARKS CONSTRUCTION ISSUES**

**15.2.1 THE SECURITY OF THE PROPERTY OF THE MUNICIPALITY OR LOCAL BOARD; (8.7) [SECTION 239 (2) (a)]**

The Committee consented to place this item on the May 4, 2021 Confidential Council Meeting Agenda for consideration.

That the General Committee confidential session adjourn at 4:55 PM.

Moved by Councillor Karen Rea

Seconded by Councillor Amanda Collucci

Carried

**16. ADJOURNMENT**

General Committee adjourned at 3:31 PM and convened into closed session after a brief recess at 3:52 PM. The Committee did not return to open session and consented to place Item 15.1.3 on the May 4, 2021 Restricted and Confidential Council Meeting Agenda and Item 15.2.1 on the May 4, 2021 Confidential Council Meeting Agenda for consideration.

Moved by Regional Councillor Joe Li

Seconded by Mayor Frank Scarpitti

General Committee adjourned at 3:31 PM.

**Carried**

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**From:** Switzer, Barbara <[Barbara.Switzer@york.ca](mailto:Barbara.Switzer@york.ca)> **On Behalf Of** Regional Clerk  
**Sent:** Monday, April 26, 2021 1:06 PM  
**To:** Aurora Clerks General Inbox <[Clerks@aurora.ca](mailto:Clerks@aurora.ca)>; Aguila-Wong, Christine <[caguila-wong@markham.ca](mailto:caguila-wong@markham.ca)>; [clerks@newmarket.ca](mailto:clerks@newmarket.ca); EG Clerks General Inbox <[clerks@eastgwillimbury.ca](mailto:clerks@eastgwillimbury.ca)>; King Clerks General Inbox <[clerks@king.ca](mailto:clerks@king.ca)>; Rachel Dillabough <[rdillabough@georgina.ca](mailto:rdillabough@georgina.ca)>; Richmond Hill Clerks General Inbox <[clerks@richmondhill.ca](mailto:clerks@richmondhill.ca)>; Vaughan Clerks General Inbox <[clerks@vaughan.ca](mailto:clerks@vaughan.ca)>; WS Clerks General Inbox <[clerks@townofws.ca](mailto:clerks@townofws.ca)>  
**Subject:** Regional Council Decision - Transportation Services Capital Infrastructure Status Update

**CAUTION:** This email originated from a source outside the City of Markham. **DO NOT CLICK** on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. The Regional Clerk circulate this report to the local municipalities.

The original staff report is attached for your information.

Please contact Salim Alibhai, Director, Capital Planning and Delivery, at 1-877-464-9675 ext. 75229 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Regional Clerk's Office, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
**O:** 1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# **The Regional Municipality of York**

Committee of the Whole  
Transportation Services  
April 8, 2021

Report of the Commissioner of Transportation Services

## **Transportation Services Capital Infrastructure Status Update**

### **1. Recommendation**

The Regional Clerk circulate this report to the local municipalities.

### **2. Summary**

This annual report provides Council with an update on 2020 accomplishments and projects that will be delivered in 2021 under the Transportation Services Capital Program to service the Region's growing communities.

Key Points:

- Despite reduced traffic volumes due to the COVID-19 pandemic, the Regional transportation network continues to serve more than 543,000 commuters every day, including 15,000 who use York Region Transit services for some of or all their trip, providing travellers with safe and efficient access to work, home, schools and other destinations across the Region.
- In 2020, Regional Council invested \$272 million throughout the Region in roads and transit infrastructure, including advancement of construction on several major projects, bus purchases for fleet renewal and expansion programs, and continuation of pre-construction activities such as environmental assessment studies and detailed design projects.
- In 2021, \$355 million will be invested in roads and transit infrastructure programs for growth and asset management. Construction is planned at nearly 100 locations and pre-construction work will continue to prepare projects for delivery in future years.
- With the evolving COVID-19 pandemic, staff are actively monitoring and assessing trends to better understand the impacts of the pandemic on delivering transportation services including transit service levels and bus fleet procurement based on ridership needs.

### 3. Background

#### **Travel by all transportation modes was significantly reduced during the early part of the COVID-19 pandemic but has since rebounded**

On a typical weekday prior to the COVID-19 pandemic, about 600,000 commuters used their personal vehicles for travel on the Regional road network. Approximately 35,000 daily commuters used York Region Transit services and GO Rail served about 14,000 daily commuters.

In early 2020, there was a steep decline in private vehicle travel and conventional transit ridership. By September 2020, when schools reopened, road traffic was close to 85% of pre-pandemic levels. However, there was a noticeable shift in traffic patterns as daytime volumes became more uniform. Transit ridership has been slower to recover, which is the pattern seen in transit systems across Ontario, including GO Transit.

Lower volumes of traffic early in the year allowed capital projects in some areas to be accelerated with less disruption.

#### **Council is investing \$3.3 billion, the highest total to date, through the Transportation Services Growth and Asset Management Programs over the next 10 years to better serve the Region's growing communities**

Transportation Services is responsible for delivering approximately 42% of the Regional 10-Year Capital Plan. The 2021 10-Year Roads and Transit Capital Program (Program), with a budget of \$3.3 billion, is comprised of a Growth Program valued at approximately \$1.82 billion, and an Asset Management Program valued at approximately \$1.44 billion.

This record investment, including an additional \$176 million from the Roads Capital Acceleration Reserve, reflects this Council's support of building road and transit system improvements and maintaining transportation assets to provide an efficient transportation network and enhance the traveller experience for daily commuters, including those who use York Region's transit services.

#### **The Growth Program focuses on expanding the capacity of the Regional road and transit network to offer travellers a range of services and options**

The Growth Program focuses on building system improvements to increase the capacity of the Regional road and transit network, including:

- Reconstructing and widening of roads and bridges
- Building new links in the Regional road network, including midblock crossings over provincial highways
- Upgrading intersection to improve traffic operations
- Installing active transportation facilities

- Building or expanding transit terminals and operations and maintenance facilities
- Expanding the transit bus fleet, including electric buses

The Growth Program also supports improvements to enhance the traveller experience, including:

- Streetscaping on key corridors
- Green infrastructure, such as street tree and landscape plantings, irrigation systems and other supporting technologies
- Transit traveller amenities including shelters, electronic signs to provide real-time information, waste/recycling receptacles and bike racks
- Technology on buses to improve pedestrian safety

### **The Asset Management Program focuses on rehabilitation and replacement of the Region's \$5.8 billion in existing transportation assets**

Transportation Services manages more than \$5.8 billion in roads and transit infrastructure, including Regional roads, cycling lanes, bridges, traffic signal controlled intersections, transit terminals, fleet vehicles and maintenance facilities. The Region's investment in the Asset Management Program is increasing significantly, with \$1.44 billion planned to be invested over the next 10 years. This reflects the Region's priority to extend the life of Regionally-managed assets and reduce life-cycle costs.

The Asset Management Program focuses on rehabilitation and replacement of existing transportation assets, including:

- Pavement repair, preservation and rehabilitation
- Bridge and culvert rehabilitation or replacement
- Roadside safety device improvements
- Intersection improvements, including reconstruction of traffic control signals and upgrades to meet *Accessibility for Ontarians with Disabilities Act* (AODA) requirements
- Transit terminal, station and bus stop maintenance, repair and rehabilitation
- Transit fleet midlife overhaul
- Transit fleet retirement and replacement

## 4. Analysis

### **Regional transportation projects have been deemed essential and work continued throughout the COVID-19 pandemic**

Since the beginning of the COVID-19 pandemic, construction projects that support the operations of, or provide new capacity in, municipal infrastructure have been deemed essential work. While the Region continues to deliver capital projects, the health and safety of staff, contractors and residents is a priority and new guidelines have been implemented. Contractors are required to follow the provincial government's guidance on the health and safety of construction workers during COVID-19 and increased sanitation and physical distancing are being practiced on all Regional construction sites.

Staff continue to monitor traffic volumes and construction progress to balance moving people and goods throughout the road network and implementing infrastructure improvement in our communities. As the COVID-19 pandemic reduced traffic volumes on Regional Roads, extended lane closures were permitted on some construction projects allowing contractors to work extended hours, resulting in some advancement in construction schedules. Delivery plans were adjusted to take advantage of this as much as possible and most projects finished on schedule, despite the challenges of the COVID-19 pandemic.

### **In 2020, work was advanced on many infrastructure projects to provide residents with a better and more efficient Regional transportation network**

With an investment of \$272 million in 2020, better and more efficient access to work, home, schools and other destinations across the Region was provided to residents through a number of roads and transit projects, including road widenings, intersection improvements, addition of cycling lanes and an enhanced suite of transit services. A list of 2020 accomplishments is included as Attachment 1.

Throughout the pandemic, staff continued to manage Transit service levels based on ridership needs. This included the ongoing assessment of fleet procurements included in the capital program. In 2020, the procurement of nine buses was deferred based on ridership uncertainties resulting from the pandemic.

### **In 2021, construction is planned at nearly 100 locations across the Region**

In 2021, Transportation Services will continue to build and maintain infrastructure to ensure its transportation network is safe, reliable and responsive to needs. While there has been a noticeable shift in traffic patterns, traffic volumes have returned to approximately 85% of pre-pandemic levels, reinforcing the ongoing need to connect travellers to freeways and transit options.

With an investment of \$252 million in the Growth Program, construction will continue on 14 major capital infrastructure projects and work will commence on five new projects. The projects include:

- Road widenings, such as the continued expansion of Major Mackenzie Drive from Highway 427 to Pine Valley Drive and from Highway 400 to Jane Street
- Major intersection improvements to add lanes or eliminate jogs, such as the improvements planned for Teston Road from Pine Valley Drive to Weston Road
- Rail bridge replacements on Highway 27 at the Canadian Pacific Railway tracks and Keele Street at the CN Rail tracks
- Road/rail grade separations, such as the Rutherford Road/GO Barrie Rail grade separation
- A new bus terminal opposite the new Cortellucci Vaughan Hospital

Under the Asset Management Program, \$103 million will be invested in roads and transit infrastructure and fleet. Construction is planned at more than 80 locations throughout the Region to keep road and transit assets in a state of good repair including:

- Road rehabilitation, such as 14<sup>th</sup> Avenue in the City of Markham and Bayview Avenue/Prospect Street in the Town of Newmarket
- Bridge and culvert rehabilitation or replacement, such as The Queensway culvert replacement in the Town of Georgina and the McCowan Road culvert replacement in the Town of Whitchurch-Stouffville
- Intersection improvements, such as new traffic signals at The Queensway South and Richmond Park Drive in the Town of Georgina
- The purchase of six electric buses under the Fleet Retirement and Replacement Program

Attachment 2 shows the locations of current road projects, apart from some asset management projects. Projects to be undertaken under the program in 2021 are summarized in Attachment 3.

Due to decreased ridership and the uncertainties resulting from the pandemic, the procurement of 51 buses planned for 2021 has been deferred and will be re-assessed during the 2022 budget process. Staff are looking into a joint cooperative procurement with TTC and possibly other transit agencies on electric bus purchases.

### **Pre-construction activities are being undertaken to prepare projects for construction in future years**

On average, it takes eight to ten years to deliver major capital infrastructure projects. Before construction can commence, environmental assessment studies need to be undertaken, projects designed, permits and approvals/agreements from regulatory authorities obtained, property acquired and utilities relocated. Staff are already working on pre-construction activities for numerous growth and asset management projects in preparation for

construction in future years. The pre-construction work being undertaken in 2021 on 27 growth projects is summarized in Attachment 3 and locations are shown in Attachment 4.

Recognizing travel patterns and behaviour have changed in response to public health and economic recovery measures put into place to adapt to the evolving COVID-19 pandemic, staff are actively monitoring and assessing these trends to better understand the impacts of the pandemic on delivering transportation services. The findings will be incorporated into the planning of the future transportation network and the Region's Transportation Master Plan Update.

## 5. Financial

### **\$355 million will be invested in roads and transit programs in 2021**

Council approved a Regional investment of more than \$355 million in 2021 for transportation growth and asset management projects. The Growth Program is funded predominantly from development charges, while the Asset Management Program is funded from the asset management reserve.

Reflecting uncertainty around the timing and extent of recovery in ridership, YRT has accelerated a shift to conventional Mobility On-Request service, which uses smaller vehicles, and has reduced planned bus purchases for the next several years. These efforts are aimed at operating cost-effectively while maintaining flexibility in meeting demand for transit services.

Table 1 shows the 2020 actuals and 2021 capital budget for Roads and Transit.

**Table 1**  
**Roads and Transit 2020 Actuals and 2021 Capital Budget**

Program	2020 Actuals* (millions)	2021 Budget (millions)
Roads	\$201.6	\$275.3
Transit	70.2	79.6
Total	\$271.8	\$354.9

\*2020 Actuals are unaudited

As the Region makes increased capital investments in the Growth Program, there will be a corresponding need to increase operating budget to routinely maintain new infrastructure. Options to minimize impacts to operating budget are carefully considered during the design phase.

## **An additional \$118 million is also being invested in rapid transit infrastructure in 2021**

In 2021, \$118 million is being invested in rapid transit infrastructure and \$355 million in other transportation infrastructure. Investment in rapid transit infrastructure is funded by the Region and Metrolinx.

The planning, design and construction of Regional roads and transit infrastructure is undertaken by Transportation Services while investment in the Region's rapid transit network and related infrastructure is led by York Region Rapid Transit Corporation.

Total investment in the Region's transportation infrastructure is shown in Table 2 (2020 actuals and 2021 budget).

**Table 2**  
**Transportation Infrastructure 2020 Actuals and 2021 Capital Budget**

<b>Program</b>	<b>2020 Actuals (millions)</b>	<b>2021 Budget (millions)</b>
Transportation Services	\$271.8*	\$354.9
York Region Rapid Transit Corporation**	139.0**	118.0**
<b>Total</b>	<b>\$410.8</b>	<b>\$472.9</b>

\*2020 Actuals are unaudited

\*\*YRRTC Actuals and Budget include York Region and Metrolinx funding

## **6. Local Impact**

Staff continue to work closely with local municipal staff to ensure concerns are addressed and local municipal infrastructure requirements such as watermains, sewers, streetlights, sidewalks, streetscaping and multi-use paths are included in Regional projects where possible. In 2021, over \$12 million in local municipal infrastructure is included in Regional projects. This work is funded by the local municipalities and has been rolled into Regional projects to gain efficiencies and provide local municipalities with cost or time savings and reduce the overall impact to travellers.

While the COVID-19 pandemic brought about major changes, some of which may have long-lasting impacts, transit remains a cornerstone of sustainable growth. Rehabilitation programs support continued delivery of safe and reliable transit service and amenities to travellers in the Region. Transportation Services will continue to adjust service levels to meet demand and operate efficiently.

Travellers in the Region's growing communities need safe, reliable and efficient services. This is a priority for the Region and construction is being managed to proactively minimize disruptions to travellers while building and maintaining a world-class transportation network. The Region has comprehensive communication plans to keep residents, businesses and other stakeholders informed.

## 7. Conclusion

The Region continues to make significant investments in the expansion and maintenance of Regional road and transit system improvements, with several large projects underway that will be advanced or fully delivered during 2021. The shift in travel patterns due to COVID-19 is being monitored and the long-term impact is unknown at this time. This will be a key consideration as Transportation Services continues to look for ways to provide travellers with a range of travel options to maximize road network capacity, while ensuring the Region's assets are properly maintained in ways that are financially sustainable.

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For more information on this report, please contact Salim Alibhai, Director, Capital Planning and Delivery, at 1-877-464-9675 ext. 75229. Accessible formats or communication supports are available upon request.

Recommended by:



**Paul Jankowski**  
Commissioner of Transportation Services

Approved for Submission:



**Bruce Macgregor**  
Chief Administrative Officer

March 23, 2021  
Attachments (4)  
12089844

**ATTACHMENT 1**

## Transportation Services Capital Infrastructure Status Update Summary of 2020 Accomplishments

Committee of the Whole  
Transportation Services  
April 8, 2021

**GROWTH PROGRAM****Roads - Construction - 4 Projects Completed**

Project	Municipality	Total Project Cost
Bayview Avenue Lake-to-Lake Cycling Route, Bloomington Road to Vandorf Sideroad	Town of Aurora	\$1.5M
Leslie Street Widening, Don Hillock Drive to Broughton Lane	Town of Aurora	\$35.1M
Leslie Street Intersection Improvements, at West/East Commerce Valley Drive, at Green Lane/Summerdale Drive, at John Street, at West/East Wilmot Street, and at West/East Beaver Creek Road	City of Markham/City of Richmond Hill	\$5.5M
Major Mackenzie Drive Widening, Highway 50 to Canadian Pacific Railway	City of Vaughan	\$11.9M

**Roads – Environmental Assessments – 3 Studies Completed**

Project Location	Municipality
16th Avenue, Woodbine Avenue to York-Durham Line	City of Markham
Kennedy Road, Steeles Avenue to Major Mackenzie Drive	City of Markham
McCowan Road, Steeles Avenue to Major Mackenzie Drive	City of Markham

**Transit – Construction – 2 Projects Completed**

Project	Municipality	Total Project Cost
Newmarket Bus Terminal	Town of Newmarket	\$15.4M
Transit Shelter, Concrete Platform and Bus Stop Sign Expansion	Various	\$1.2M

**Transit – Fleet Procurement**

Project	Total Project Cost
Transit Fleet Expansion - Purchase of 3 Mobility Plus buses	\$0.6M

**ASSET MANAGEMENT PROGRAM****Roads - Rehabilitation/Preservation - 14 Locations Completed**

Project Location	Municipality	Total Project Cost
Crack Sealing	Various Locations	\$550K
Grind and Pave	Various Locations	\$2.4M
Road Rehabilitation – 125 lane kilometres		
Bayview Avenue, Steeles Avenue to 16th Avenue	City of Richmond Hill/ City of Markham	\$36.2M
Highway 7, Highway 27 to Islington Avenue	City of Vaughan	
Islington Avenue, Steeles Avenue to Highway 7	City of Vaughan	
King Road, 10th Concession to Highway 27	Township of King	
King Road, 8th Concession to Weston Road	Township of King	
Leslie Street, 19th Avenue to Stouffville Road	City of Richmond Hill	
Major Mackenzie Drive, Dufferin Street to Bathurst Street	City of Vaughan	
Woodbine Avenue, Mount Albert Road to Highway 404	Town of East Gwillimbury	
Road Preservation – 88 lane kilometres		
Davis Drive, Yonge Street to Highway 404	Town of Newmarket	\$3.0M
Mulock Drive, Yonge Street to Highway 404	Town of Newmarket	
Highway 7, Highway 404 to Warden Avenue	City of Markham	

Project Location	Municipality	Total Project Cost
Leslie Street, Bloomington Road to Vandorf Sideroad	City of Richmond Hill/ Town of Aurora	

### Roads - Structure Rehabilitation/Replacement – 5 Locations Completed

Project Location	Municipality	Total Project Cost
Davis Drive Culvert, east of Woodbine Avenue	Town of East Gwillimbury	\$5.3M
East Humber River Bridge, Jane Street north of King Rd	Township of King	
Keele Street Rail Bridge, north of Teston Road	City of Vaughan	
Kennedy Road Bridge, north of Mount Albert Road	Town of East Gwillimbury	
Mulock Drive Culvert, east of Bayview Avenue	Town of Newmarket	

### Roads - Intersection Improvements – 37 Locations Completed

Project Location	Municipality	Total Project Cost
16th Avenue and Berwick Crescent	City of Richmond Hill	\$2.8M
16th Avenue and Williamson Road	City of Markham	
Highway 7 and Wooten Way	City of Markham	
Leslie Street and Toporowski Avenue	City of Richmond Hill	
Keele Street and Dina Road	City of Vaughan	
Kennedy Road and 19th Avenue	City of Markham	
Kennedy Road and Ravenshoe Road	Town of East Gwillimbury/ Town of Georgina	
Markham Road and Denison Street	City of Markham	
McCowan Road and Aurora Road	Town of Whitchurch-Stouffville	
Pine Valley Drive and Davos Road	City of Vaughan	
Pine Valley Drive and Royal Garden Boulevard	City of Vaughan	

Project Location	Municipality	Total Project Cost
Teston Road and Torah Gate	City of Vaughan	
Warden Avenue and 19th Avenue	City of Markham	
Warden Avenue and Gibson Drive/Masseyfield Gate	City of Markham	
Woodbine Avenue and 19th Avenue	City of Markham	
Woodbine Avenue and Russell Dawson Road	City of Markham	
Woodbine Avenue and Victoria Square (south)	City of Markham	
Illumination	Various Locations	
Traffic Signal Modernization in conjunction with Road Rehabilitation Project		
Bayview Avenue and Proctor Avenue	City of Markham	Included in Cost of Road Rehabilitation
Bayview Avenue and Hunt Club Court/Laureleaf Road		
Bayview Avenue and John Street		
Bayview Avenue and Green Lane/Shouldice Hospital		
Bayview Avenue and Romfield Circuit South/Willowbrook Road		
Bayview Avenue and Dunsinane Drive		
Bayview Avenue and Romfield Circuit North/Sycamore Drive		
Bayview Avenue and Langstaff Road East		
Highway 7 and Islington Avenue	City of Vaughan	
Highway 7 and Parkfield Court/Woodstream Boulevard		
Highway 7 and Martin Grove Road		
Highway 7 and 5770 Highway 7/Plaza Access		
Major Mackenzie Drive West and Dufferin Street	City of Vaughan	
Major Mackenzie Drive West and Sir Benson Drive		
Major Mackenzie Drive West and Ilan Ramon Boulevard		
Ninth Line and Fincham Avenue	City of Markham	
Ninth Line and Tiers Gate / White's Hill Avenue		

Project Location	Municipality	Total Project Cost
Woodbine Avenue and Mount Albert Road	Town of East Gwillimbury	
Woodbine Avenue and Queensville Sideroad		

### Transit – Ongoing Rehabilitation and Preventative Maintenance

Project Location	Total Project Cost
Transit Terminal Rehabilitation and Bus Shelter, Concrete Platform, and Bus Stop Sign Replacement	\$1.6M
Bus Operations, Maintenance and Storage Facility Rehabilitation – Various locations	\$1.5M
Transit Conventional Bus Major Structural Refurbishment & Mechanical Overhaul – Asset Life Extension (62 conventional buses) and Refresh (10 60' foot buses)	\$8.4M
Transit Fleet Retirement and Replacement – Purchase of 28 conventional buses	\$26.2M

## EMERGENCY REPAIRS

### Roads – Emergency Repair Work – 7 Locations Completed

Project	Municipality	Cost
15 <sup>th</sup> Sideroad Culvert Replacement, west of Dufferin Street	Township of King	\$475K
Humber River Beaver Dam Removal, south of Rutherford Road and east of Highway 27	City of Vaughan	
Jane Street Culvert Replacement, south of King Road	Township of King	
Ninth Line Beaver Dam Removal, south of Reeves Way	Town of Whitchurch-Stouffville	
Ravenshoe Road and Kennedy Road Culvert Asphalt Repair	Town of Georgina	
Ravenshoe Road and Kennedy Road Rip Rap Installation	Town of Georgina	
Woodbine Culvert Replacement, north of St. John's Sideroad	Town of Whitchurch-Stouffville	

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# 2021 Growth and Asset Management Construction Map

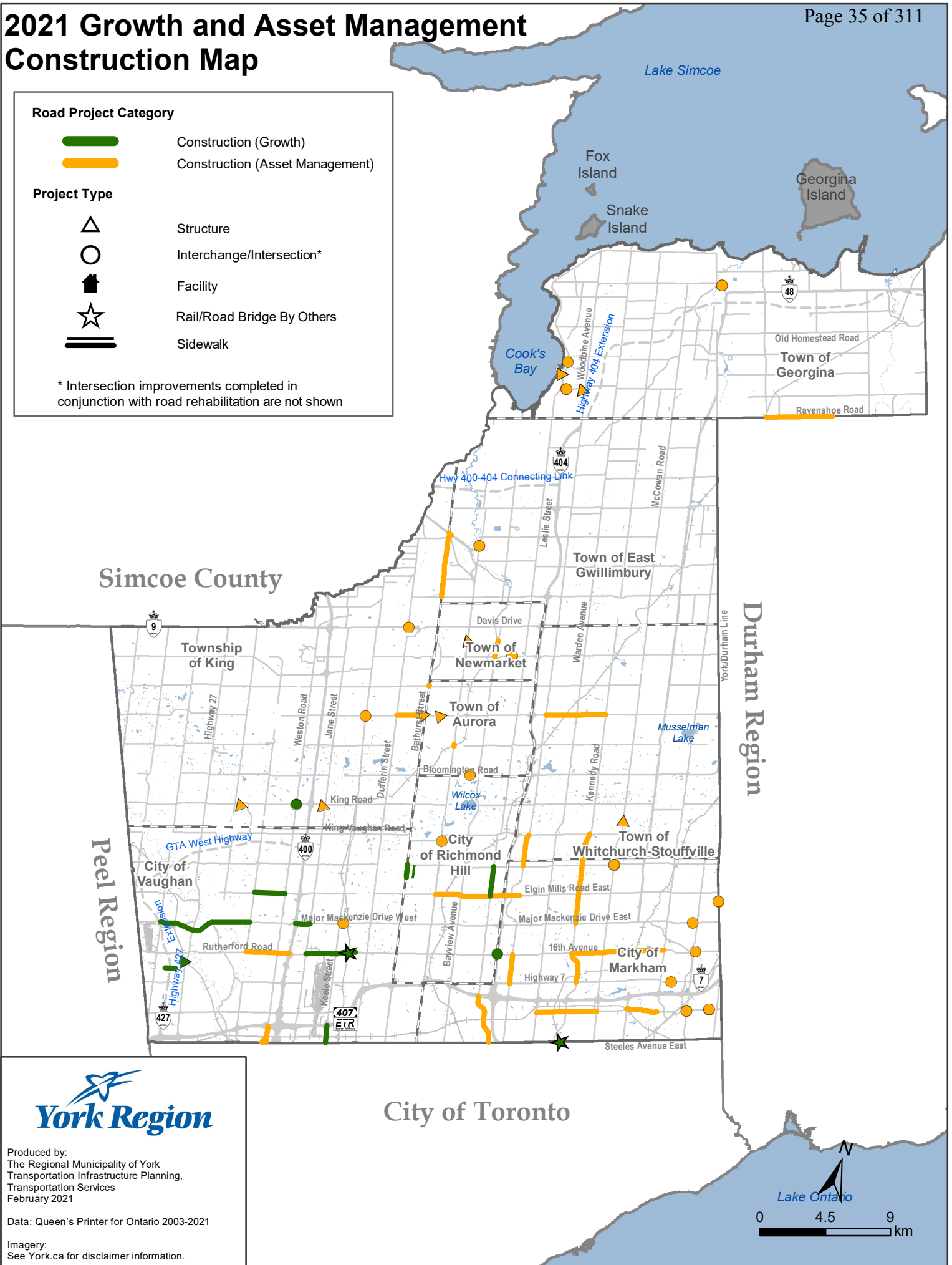
## Road Project Category

- Construction (Growth)
- Construction (Asset Management)

## Project Type

- △ Structure
- Interchange/Intersection\*
- ⬆ Facility
- ☆ Rail/Road Bridge By Others
- = Sidewalk

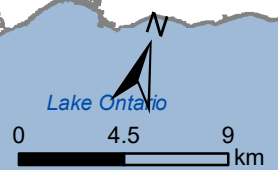
\* Intersection improvements completed in conjunction with road rehabilitation are not shown



Produced by:  
The Regional Municipality of York  
Transportation Infrastructure Planning,  
Transportation Services  
February 2021

Data: Queen's Printer for Ontario 2003-2021

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**ATTACHMENT 3**

## Transportation Services Capital Infrastructure Status Update Summary of Current Projects

Committee of the Whole  
Transportation Services  
April 8, 2021

### GROWTH PROGRAM – CONSTRUCTION

#### Roads – Construction – 15 Projects

Project Location	Municipality	Total Project Cost	Construction Completion
<b>Continuing Construction – 13 Contracts</b>			
16 <sup>th</sup> Avenue, Highway 404 Interchange (Delivered by MTO) **Total cost/completion of 16 <sup>th</sup> Avenue, Leslie Street to Woodbine Avenue project	City of Markham/City of Richmond Hill	\$57.0M**	2025**
Bathurst Street Sidewalk, Gamble Road to Shaftsbury Avenue	City of Richmond Hill	\$550K	2021
Central District Snow Management Facility	Town of Newmarket	\$5.5M	2021
Highway 27 Canadian Pacific Railway Bridge Replacement	City of Vaughan	\$30.9M	2022
Keele Street Widening, Steeles Avenue to Highway 407	City of Vaughan	\$44.4M	2023
King Road at Weston Road Intersection Improvements	Township of King	\$8.6M	2021
Leslie Street Widening, Elgin Mills Road to 19th Avenue	City of Richmond Hill	\$23.2M	2021
Major Mackenzie Drive Widening, Highway 400 to Jane Street	City of Vaughan	\$40.2M	2022
Major Mackenzie Drive Widening, CP Rail to Islington Avenue	City of Vaughan	\$110.0M	2021
Major Mackenzie Drive Widening, Islington Avenue to Pine Valley Drive	City of Vaughan	\$53.3M	2021
Mid-Block Crossing at Highway 427, North of Langstaff Road (Delivered by Link427/City of Vaughan)*Region's budgeted portion	City of Vaughan	\$4.7M*	2021
Rutherford Road Grade Separation, Westburne Drive to Peter Rupert (Delivered by Metrolinx)*Region's budgeted portion	City of Vaughan	\$18.3M*	2022

Project Location	Municipality	Total Project Cost	Construction Completion
Steeles Avenue Grade Separation (City of Toronto led project) *Region's budgeted portion	City of Markham/City of Toronto	\$12.0M*	2022
<b>New Construction – 2 Contracts</b>			
Rutherford Road Widening, Jane Street to Westburne Drive	City of Vaughan	\$59.7M	2023
Teston Road Widening, Pine Valley Drive to Weston Road	City of Vaughan	\$30.2M	2023

### Transit – Construction – 4 Projects

Project Name	Municipality	Total Project Cost	Construction Completion
<b>Continuing Construction – 1 Project</b>			
Expansion and Renovation of North Operations, Maintenance and Storage Facility – 18110 Yonge St.	Town of Newmarket/ Town of East Gwillimbury	\$24.0M	2021
<b>New Construction – 3 Projects</b>			
55 Orlando Garage Expansion	City of Richmond Hill	\$58.5M	2022
Major Mackenzie West Terminal, opposite Mackenzie Vaughan Hospital	City of Vaughan	\$16.0M	2022
Transit Shelter, Concrete Platform and Bus Stop Sign Expansion	Various	\$1.2M	2021

## ASSET MANAGEMENT PROGRAM – CONSTRUCTION

### Roads – Rehabilitation/Preservation – 22 Locations

Project Location	Municipality	Total Project Cost
Yonge Street, north of Industrial Parkway - Sink Hole Mitigation (continued from 2020)	Town of Aurora	\$7.4M
Crack Sealing	Various Locations	\$600K
Grind and Pave	Various Locations	\$2.5M
Road Rehabilitation – 160 lane kilometres		
14 <sup>th</sup> Avenue, Warden Avenue to McCowan Road	City of Markham	\$42.6M
14 <sup>th</sup> Avenue, Markham Road to Ninth Line	City of Markham	
16 <sup>th</sup> Avenue, Kennedy Road to Main Street	City of Markham	
18 <sup>th</sup> Sideroad, West of Bathurst Street	Township of King	
Don Mills/Leslie Street, Steeles Avenue to Highway 407	City of Markham	
Elgin Mills Road, Yonge Street to Victoria Square	City of Richmond Hill / City of Markham	
Kennedy Road, Highway 7 to 16th Avenue	City of Markham	
Prospect Street, Mulock Drive to Gorham Street	Town of Newmarket	
Rutherford Road, Pine Valley Drive to Highway 400	City of Vaughan	
Old Weston Road, Steeles Avenue to Weston Road	City of Vaughan	
Wellington Street, Dufferin Street to Bathurst Street	Township of King	
Weston Road, Steeles Avenue to Highway 407	City of Vaughan	
Road Preservation – 80 lane kilometres		
16th Avenue, Main Street to Ninth Line	City of Markham	\$4.8M
Aurora Road, Highway 404 to Kennedy Road	Town of Whitchurch-Stouffville	
Bathurst Street, Green Lane to Holland Landing Road	Township of King	
Kennedy Road, Major Mackenzie Drive to Stouffville Road	City of Markham / Town of Whitchurch-Stouffville	

Project Location	Municipality	Total Project Cost
Ravenshoe Road, Park Road to Concession 5	Town of Georgina	
Woodbine Avenue, 19th Avenue to Stouffville Road	City of Markham / Town of Whitchurch-Stouffville	
Woodbine Avenue, Highway 7 to 16th Avenue	City of Markham	

### Roads – Structure Rehabilitation – 8 Locations

Project Location	Municipality	Total Project Cost
Bathurst Street Culvert, north of Wellington Street	Town of Aurora	\$13.2M
Glenwoods Avenue Culvert, east of The Queensway	Town of Georgina	
King Horne Bridge, King Road east of Highway 400	Township of King	
King Road Culvert, east of 8 <sup>th</sup> Concession	Township of King	
McCowan Road Culvert, north of Stouffville Road	Town of Whitchurch-Stouffville	
The Queensway Culvert, north of Glenwoods Avenue	Town of Georgina	
Wellington Street Retaining Wall, east of Bathurst Street	Town of Aurora	
Yonge Street Culvert, north of Eagle Street	Town of Newmarket	

### Roads – Intersection Improvements – 50 Locations

Project Location	Municipality	Total Project Cost
Major Mackenzie Drive, at Vaughan City Hall	City of Vaughan	\$2.3M
14th Avenue and Reesor Road	City of Markham	\$3.0M
14th Avenue, west of 11th Concession	City of Markham	
16th Avenue, east of Little Rouge Creek bridge	City of Markham	
Bloomington Road and Worthington/Steeplechase Avenue	City of Richmond Hill	
Davis Drive and Dufferin Street	Township of King	
Glenwoods Avenue and Our Lady of the Lake School	Town of Georgina	
High Street and Middle Street	Town of Georgina	

Project Location	Municipality	Total Project Cost
Highway 7 and Bur Oak Avenue	City of Markham	
Highway 7 and Millway Avenue	City of Vaughan	
Keele Street and 17th Sideroad	Township of King	
Major Mackenzie Drive, west of Reesor Road	City of Markham	
McCowan Road and 19th Avenue	City of Markham	
Mulock Drive and College Manor/Fernbank Road	Town of Newmarket	
The Queensway South & Richmond Park Drive	Town of Georgina	
Yonge Street and Holland Landing Community Centre	Town of East Gwillimbury	
Yonge Street and Jefferson Sideroad	City of Richmond Hill	
York Durham Line and Concession Road 8	City of Markham	
Illumination at Various Locations	Various Locations	
Traffic Signal Modernization in conjunction with Road Rehabilitation Project		
14th Avenue at Crown Steel Drive/ Gough Road	City of Markham	
14th Avenue at Birchmount Road		
14th Avenue at McDowell Gate		
14th Avenue at Chatelaine Drive/ Havelock Gate		
14th Avenue at Roxbury Street/ Boxwood Crescent		
16th Avenue at William Berczy Boulevard / Longwater Chase	City of Markham	
16th Avenue at The Bridle Walk/ Shorthill Drive		
16th Avenue at Stonebridge Drive/ Saratoga Road		
16th Avenue at Roy Rainey Avenue/ Cairns Drive		
16th Avenue at Mingay Avenue/ Stone Mason Drive		
Bayview Avenue at Mulock Drive	Town of Newmarket	
Don Mills Road at Simonston Boulevard North	City of Markham	
Elgin Mills Road at Edward Avenue	City of Richmond Hill/City of Markham	
Elgin Mills Road at Rose Branch Drive/ Neal Drive		

Project Location	Municipality	Total Project Cost
Elgin Mills Road at Bayview Avenue		
Elgin Mills Road at Shirley Drive		
Elgin Mills Road at Redstone Road		
Elgin Mills Road at John Birchall Road		
Elgin Mills Road at Woodbine Avenue		
Elgin Mills Road at Duke of York Street/ Prince Regent Street		
Kennedy Road at Austin Drive	City of Markham	
Kennedy Road at Carlton Road		
Kennedy Road at The Bridle Trail		
Kennedy Road at Birchview Lane		
Rutherford Road at Via Campanile/ Babak Boulevard	City of Vaughan	
Rutherford Road at St Clare Boulevard/ Velmar Drive		
Rutherford Road at Fossil Hill Road		
Rutherford Road at Weston Road		
Rutherford Road at Vellore Woods Boulevard		
Wellington Street West at Dufferin Street	Township of King	Included in Cost of Road Rehabilitation
Weston Road at Aviva Park Drive/ Century Place	City of Vaughan	

### Transit – Ongoing Rehabilitation and Preventative Maintenance

Project Name	Total Project Cost
Transit Terminal Rehabilitation and Bus Shelter, Concrete Platform, and Bus Stop Sign Replacement	\$1.8M
Bus Operations, Maintenance and Storage Facility Rehabilitation – Various locations	\$1.9M
Transit Conventional Bus Major Structural Refurbishment & Mechanical Overhaul – Asset Life Extension (46 conventional buses)	\$7.6M

Project Name	Total Project Cost
Transit Fleet Retirement and Replacement – Purchase of 6 conventional electric buses	\$8.0M

## **GROWTH PROGRAM – PRE-CONSTRUCTION**

### **Roads – Environmental Assessments – 5 Studies**

Project Location	Municipality
<b>Continuing Environmental Assessments – 2 Studies</b>	
Langstaff Road, Weston Road to Highway 7	City of Vaughan
Teston Road, Highway 400 to Bathurst Street (Individual Environmental Assessment)	City of Vaughan
<b>New Environmental Assessments – 3 Studies</b>	
Elgin Mills Road, from Yonge Street to Bayview Avenue (Railway Grade Separation)	City of Richmond Hill
Kennedy Road, Major Mackenzie Drive to Elgin Mills Road	City of Markham
Warden Avenue, Major Mackenzie Drive to Elgin Mills Road	City of Markham

### **Roads – Detailed Design – 21 Projects**

Project Location	Municipality
<b>Continuing Detailed Design – 10 Projects</b>	
16 <sup>th</sup> Avenue, Leslie Street to Woodbine Avenue	City of Richmond Hill/City of Markham
Bathurst Street, north of Highway 7 to Major Mackenzie Drive	City of Vaughan/City of Richmond Hill
Dufferin Street, Apple Blossom Drive to Marc Santi Boulevard	City of Vaughan
King Road, Bond Crescent to Yonge Street	City of Richmond Hill

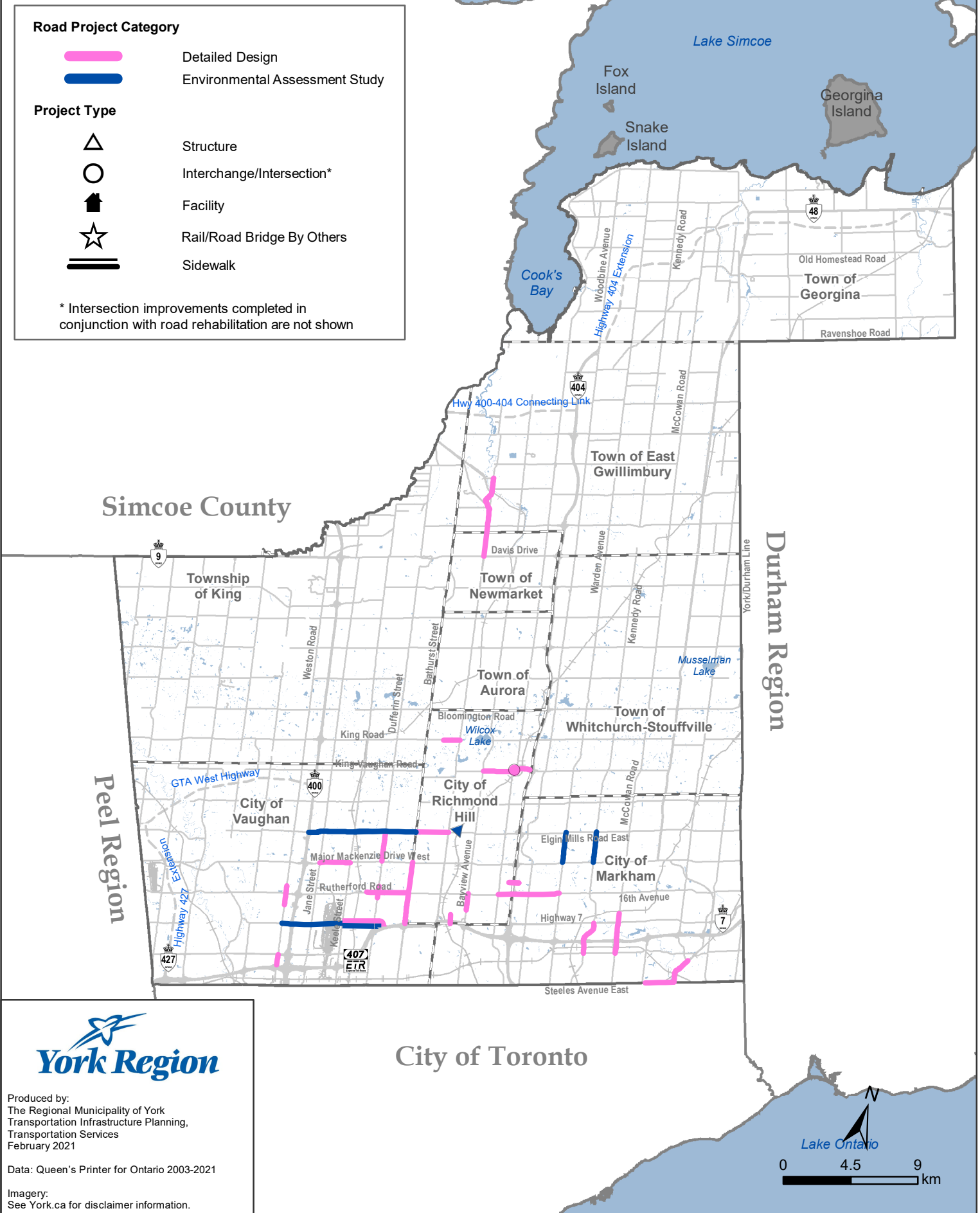
Project Location	Municipality
Mid-Block Crossing, Highway 404 north of 16th Avenue	City of Richmond Hill/ City of Markham
Ninth Line, Steeles Avenue to Box Grove By-Pass	City of Markham
Rutherford Road, Peter Rupert Avenue to Bathurst Street	City of Vaughan
Steeles Avenue, Tapscott Road to Donald Cousens Parkway (City of Toronto led project)	City of Markham/City of Toronto
Yonge Street, Davis Drive to Green Lane	Town of Newmarket/ Town of East Gwillimbury
Yonge Street/Highway 11, Green Lane to Bradford Boundary	Town of East Gwillimbury
<b>New Detailed Design – 11 Projects</b>	
16 <sup>th</sup> Avenue, Woodbine Avenue to Warden Avenue	City of Markham
Bayview Avenue, North of Highway 7 to 16 <sup>th</sup> Avenue	City of Richmond Hill
Dufferin Street, Major Mackenzie Drive to Teston Road	City of Vaughan
Langstaff Road, Keele Street to Dufferin Street	City of Vaughan
Kennedy Road, 14 <sup>th</sup> Avenue to Highway 7	City of Markham
Major Mackenzie Drive, Jane Street to Keele Street	City of Vaughan
McCowan Road, 14 <sup>th</sup> Avenue to Highway 7	City of Markham
Red Cedar Avenue/Cedar Avenue Extension, Langstaff Road to High Tech Road	City of Richmond Hill/City of Markham
Stouffville Road, Bayview Avenue to Highway 404	City of Richmond Hill
Weston Road, Highway 407 to north of Highway 7	City of Vaughan
Weston Road, North and South of Rutherford Road	City of Vaughan

**Transit – Design – 1 Ongoing Project**

Project Location	Municipality
55 Orlando Garage Expansion	City of Richmond Hill

12493614

## 2021 Growth and Asset Management Pre-Construction Map



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**From:** Switzer, Barbara <Barbara.Switzer@york.ca> **On Behalf Of** Regional Clerk  
**Sent:** April 26, 2021 4:58 PM  
**Subject:** Regional Council Decision - 2020 Integrated Management System Update Report for Water, Wastewater and Waste Management

**CAUTION:** This email originated from a source outside the City of Markham. **DO NOT CLICK** on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. The Regional Clerk circulate this report to the Clerks of the local municipalities and the Ontario Chief Drinking Water Inspector (Ministry of the Environment, Conservation and Parks) for information.

The original staff report is attached for your information.

Please contact David Szeptycki, Director, Strategy and Innovation at 1-877-464-9675 ext. 75723 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Regional Clerk's Office, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
**O:** 1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# **The Regional Municipality of York**

Committee of the Whole

Environmental Services

April 8, 2021

Report of the Commissioner of Environmental Services

## **2020 Integrated Management System Update Report for Water, Wastewater and Waste Management**

### **1. Recommendation**

The Regional Clerk circulate this report to the Clerks of the local municipalities and the Ontario Chief Drinking Water Inspector (Ministry of the Environment, Conservation and Parks) for information.

### **2. Summary**

Providing information on the efficacy of Environmental Services' Integrated Management System supports Council in meeting statutory standard of care requirements under the *Safe Drinking Water Act, 2002* and demonstrates operational due diligence.

Key Points:

- Environmental Services' Integrated Management System is mature, well-established and provides a structured approach to risk mitigation and continual improvement
- Due to COVID-19 and in accordance with Public Health guidance, internal audits shifted to virtual delivery. These audits performed at water, wastewater and waste management facilities provided continued insight into delivery of our services and resulted in improved operational performance and regulatory due diligence
- Accomplishments achieved in 2020 through the Integrated Management System include successful third-party audits (resulting in one minor non-conformity) and successful re-registration to International Organization for Standardization's Quality Management Standard (ISO 9001:2015)

### 3. Background

#### **Council has a legal obligation to ensure safe drinking water is provided to residents under the *Safe Drinking Water Act, 2002***

Councillors have an important role in ensuring that York Region's drinking water systems provide safe, high-quality drinking water. *Safe Drinking Water Act, 2002* establishes a legal duty on individuals with decision-making authority over municipal drinking water systems, imposing a statutory standard of care. It requires Councillors to exercise a level of care, diligence and skill with regard to municipal drinking water system oversight that a reasonably prudent person would be expected to exercise. Councillors are expected to act with a view to ensuring the protection and safety of users of the municipal drinking water system. York Region Council fulfills this duty in part through ongoing financial support for drinking water systems and supporting continual improvement. Drinking water system performance is outlined in the 2020 Drinking Water Systems Report (also on this agenda), which includes Ministry of the Environment, Conservation and Parks inspection results.

Table 1 summarizes roles and responsibilities, as defined in the Integrated Management System. Council and the Chief Administrative Officer, identified as Corporate Top Management, are required to provide oversight to ensure suitability and effectiveness of the Integrated Management System. Operational Top Management, which includes the Commissioner, Directors and Managers in Environmental Services, fulfills its role in the management system by making strategic and operational decisions and preparing this annual report to Council on our leading Integrated Management System.

**Table 1**  
**Roles and Responsibilities for Environmental Services'**  
**Integrated Management System (IMS)**

Who	Roles and Responsibilities for IMS
<b>Corporate Top Management</b>	
<ul style="list-style-type: none"> <li>• Council</li> <li>• Chief Administrative Officer</li> </ul>	<ul style="list-style-type: none"> <li>• Exercise standard of care</li> <li>• Overall direction for Environmental Services' IMS</li> <li>• Approval of resources and budget</li> </ul>
<b>Operational Top Management</b>	
<ul style="list-style-type: none"> <li>• Commissioner</li> <li>• Directors</li> <li>• Managers</li> </ul>	<ul style="list-style-type: none"> <li>• Strategic direction for Integrated Management System</li> <li>• High-level operational decision-making</li> <li>• Drinking Water Quality Management Standard representative</li> </ul>

Who	Roles and Responsibilities for IMS
<b>Water, Wastewater and Waste Management Operations</b>	
<ul style="list-style-type: none"> <li>• Water and Wastewater Operators</li> <li>• Waste Management Coordinators</li> <li>• Technical Support Staff</li> <li>• Integrated Management System Coordinators</li> </ul>	<ul style="list-style-type: none"> <li>• Front line operations</li> <li>• Water and wastewater quality sampling</li> <li>• Maintenance, inspections and asset management</li> <li>• Documentation, data capture and validation</li> <li>• Internal audits and regulatory reporting</li> <li>• Operational training requirements</li> </ul>

### **Integrated Management System assists Council with meeting standard of care**

Environmental Services' Integrated Management System provides a consistent framework for minimizing operational impacts on the environment and protecting the safety of residents by complying with applicable legal requirements. York Region was the first organization in North America to apply International Organization for Standardization's Environmental Management Standard (ISO 14001) to a wastewater distribution system in 2000. York Region's Integrated Management System continues to evolve through a focused approach of continual improvement to program and service delivery.

The Integrated Management System assists Council by providing confidence that water, wastewater and waste management services are delivered in accordance with planned policies and procedures. Service delivery standards are outlined and confirmed through audits. Audits help identify and mitigate operational risks, deliver feedback for continual improvement, offer transparency and gauge operational resilience. Audit outcomes demonstrate to top management that the system is achieving intended results and support standard of care obligations.

Table 2 summarizes standards applied to Environmental Services' operational areas. York Region's adherence to International Organization for Standardization (ISO) standards is voluntary, while compliance with the Drinking Water Quality Management Standard (DWQMS) is a legal requirement under the *Safe Drinking Water Act, 2002* and the Municipal Drinking Water Licensing Program. By subscribing to multiple standards, the system effectively mitigates environmental and quality risks, while supporting the Region's service delivery and compliance with regulatory requirements.

**Table 2**  
**Integrated Management System Framework**

<b>Operations</b>	<b>Management Standard</b>	<b>Registered Since</b>
Wastewater	ISO 14001 Environmental Management Standard	2000
Water	ISO 9001 Quality Management Standard	2001
	Drinking Water Quality Management Standard	2009
Waste Management	ISO 14001 Environmental Management Standard	2010
	ISO 9001 Quality Management Standard	2018

**Integrated Management System is a framework to manage risk, protect public health and the environment**

The Integrated Management System Policy (Figure 1) is a requirement of our registration and provides the foundation for management system commitments. It sets the framework for water, wastewater and waste management quality and environmental objectives. It is displayed at all registered water, wastewater and waste management facilities.

**Figure 1**  
**Integrated Management System Policy**



### **Auditing confirms system effectiveness by evaluating conformance with each management system standard**

An effective audit program is a critical component of the Integrated Management System. Audit programs monitor compliance with regulatory requirements, conformance with internal requirements and strengthen system performance by identifying continual improvement opportunities.

Facilities and programs are audited via three main types of audits:

- Internal proactive audits
  - Conducted annually by trained auditors within Environmental Services to confirm conformance to management system requirements and to evaluate compliance with regulatory requirements

- ISO external audits
  - Completed annually by a third-party registration body to confirm conformance to ISO 9001 and ISO 14001
- Regulatory DWQMS audit
  - Completed annually by a third-party registration body to confirm conformance to the DWQMS, on behalf of the Ministry of the Environment, Conservation and Parks

## 4. Analysis

### **Comprehensive audit program continues to evolve and confirms high level of compliance**

Environmental Services' audit program drives regulatory compliance and continual improvement through the Integrated Management System. Audits demonstrate system health and due diligence by ensuring that staff are continually challenging the status quo and looking for opportunities to strengthen delivery of programs and services. To ensure the health and safety of staff and comply with public health measures, internal proactive and third-party audits were conducted virtually in 2020. The virtual audit process continued to evaluate conformance to system requirements through interviews, virtual tours and document reviews. In 2020, Environmental Services conducted 45 internal proactive audits. Each year, audit findings identify internal process improvements and system enhancements. Table 3 summarizes the number of audit findings by audit type, from 2018 to 2020.

**Table 3**  
**Number of Audit Findings for Water, Wastewater and Waste Management**

Audit Type	2018	2019	2020
Internal Proactive Audit	74	60	48
ISO External Audit	8	0	1
Regulatory DWQMS Audit	0	0	0

A decrease in number of audit findings demonstrates system maturity and successful implementation of continual improvement initiatives. The virtual audit methods used in 2020 successfully met all requirements and objectives and allowed for a thorough review of processes and procedures. Audit processes, technology and data management practices continue to evolve, which allows for refinement of audit delivery, documentation review and data analysis. Best practices learned from virtual audits, such as improved documentation reviews and site visit scheduling will be incorporated into future audit delivery.

## **Audit findings highlight key priorities and continual improvement initiatives**

Internal proactive audits provide an opportunity to evaluate existing processes and identify continual improvement opportunities. Key areas of focus for 2020 included assessing operational controls to mitigate environmental risks and evaluating effectiveness of newly implemented operational processes (i.e. when a new facility is commissioned). Table 4 identifies audit findings from 2020 and includes corrective actions to: update documents to reflect process changes; and, implement process enhancements to drive efficiencies, improvement of asset tracking and confirmation of staff training requirements. Each year, audit findings identify immediate corrective actions and inform key areas of focus for the subsequent year. Environmental Services' Integrated Management System has provided a systematic approach to addressing audit findings for the past 20 years. This practice minimizes risk to the Region and ensures public safety.

**Table 4**  
**Number of Internal Audit Findings by Category (2020)**

Category	Number of Audit Findings
Documentation	19
Process Improvements	13
Asset Tracking and Calibration	9
Training	5
Miscellaneous	2

## **Third-party audits resulted in one minor non-conformity and successful re-registration to ISO 9001 Standard**

Third-party audits are intended to confirm the Integrated Management System aligns with requirements of ISO and DWQMS standards. They also demonstrate the Region's ability to sustain services that are compliant with applicable regulations and Regional service level targets. In 2020, three external audits were conducted, which resulted in one minor non-conformity related to chemical labelling. This non-conformity did not impact drinking water quality or safety. A corrective action plan was implemented to address the root cause of the issue. Auditor feedback received during these audits and final results of external audits indicate that our operations are performing very well and the Integrated Management System is effectively mitigating known risks.

## **Operational Top Management confirms adequacy, suitability and effectiveness of the Integrated Management System**

Annual management review meetings are required by all three management standards. Operational Top Management uses this opportunity to assess efficacy of the Integrated Management System. The review focuses on system and regulatory performance, audit results, resources, operational risks and opportunities. A collaborative review is critical and helps identify opportunities to improve efficiency and drive results. Through discussion at management review, systemic risks are reviewed and priorities for the upcoming year are established. Operational Top Management met in Q1 2021 to review system performance for 2020 and confirm the adequacy, suitability and effectiveness of the Integrated Management System.

## **Continual improvement initiatives drive efficiencies in performance**

Environmental Services made several enhancements to systems and processes in 2020 to drive efficiencies in water, wastewater and waste management services and mitigate environmental risk. Some of these include:

- Used data to support decision making by improving system performance dashboards and reporting communications through the corporate Customer Relationship Management system
- Streamlined reporting of objectives and targets with emerging risks and opportunities to efficiently track progress on initiatives that mitigate system risk
- Consolidated Integrated Management System training requirements and implemented centralized tracking of training completion
- Prepared for individual producer responsibility at waste depots, including tracking risks associated with transition, adjusting operations and procurement contracts

Together, these initiatives support efficiency, cost savings, risk mitigation and enhanced system performance, which strengthen service delivery in water, wastewater and waste management operations.

## **Emergency preparedness tools in the Integrated Management System supported COVID-19 response**

During initial stages of the COVID-19 pandemic, Environmental Services staff met regularly with the Ministry of the Environment, Conservation and Parks, Canadian Water Network, Regional Public Works Commissioners of Ontario and local municipalities to share best practices to maintain safe delivery of services. To proactively comply with public health measures, operations staff were assigned start locations at facilities throughout the Region to minimize in-person interactions, while support staff worked from home. The Integrated

Management System supported Environmental Services' operational response to COVID-19 by providing a systematic framework and tools for emergency response.

The Integrated Management System has a strong foundation in emergency preparedness and response through emergency procedures, emergency training and testing and conducting lessons learned exercises following an incident. While the COVID-19 pandemic proved a different type of operational emergency, Environmental Services staff continued to meet regulatory and standard requirements through use of interim procedures, non-conformity reporting, virtual audits, and root cause analysis investigations. Annual emergency testing requirements were adapted to align with the department's COVID-19 pandemic response. Improvements identified throughout the emergency response will be incorporated into system documentation and process improvements in 2021.

## 5. Financial

### **Integrated Management System helps mitigate risk, comply with regulatory requirements and support continual improvement**

Total actual program costs to operate the Integrated Management System in 2020 were \$630,000, representing less than 1% of Environmental Services' gross operating costs. Program costs, including staffing and external audit services, are funded 80% through water and wastewater user rates and 20% from the tax levy designated for waste management activities.

Council's support of the Integrated Management System generates a value-added return on investment. Environmental Services' high scores during regulator inspections are in part attributed to the activities and rigour of the Integrated Management System. The system provides substantial risk mitigation and due diligence, which assists Council in meeting standard of care obligations prescribed in the *Safe Drinking Water Act, 2002*.

## 6. Local Impact

### **York Region and local municipal partners benefit from a collaborative approach to service delivery**

Environmental Services' Integrated Management System provides benefits to local municipalities as it supports a systematic approach to mitigating full-system risks and environmental impacts. Local municipalities benefit from a systems approach, which drives continual improvement and high-performance that meets regulatory requirements in the shared service delivery model for water, wastewater and waste management operations. All local municipalities maintain a quality management system to meet requirements of the DWQMS. Environmental Services staff meets regularly with municipal and provincial

partners to address challenges, share best practices, evaluate operating procedures, and develop common approaches for efficient and effective service delivery.

## 7. Conclusion

Providing a summary of Environmental Services' performance and enhancements in the context of the Integrated Management System supports Council with meeting standard of care requirements under the *Safe Drinking Water Act, 2002*. Work delivered via the Integrated Management System, including internal and external audits, demonstrates York Region's commitment to ongoing improvement and resiliency of its programs and services. Successful external audits in 2020, including re-certification to ISO 9001, confirm the Integrated Management System is well-established, mature and systematically reduces operational risk. Continual improvement initiatives support system efficiencies and accomplish improved risk mitigation. On an ongoing basis, management confirms adequacy and effectiveness of the Integrated Management System to strengthen the delivery of York Region's water, wastewater and waste management services.

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For more information on this report, please contact David Szeptycki, Director, Strategy and Innovation at 1-877-464-9675 ext. 75723. Accessible formats or communication supports are available upon request.

Recommended by:

Per:   
**Erin Mahoney, M. Eng.**

Commissioner of Environmental Services

Approved for Submission:



**Bruce Macgregor**

Chief Administrative Officer

March 19, 2021  
 11868701

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**From:** Switzer, Barbara <Barbara.Switzer@york.ca> **On Behalf Of** Regional Clerk  
**Sent:** April 26, 2021 4:57 PM  
**Subject:** Regional Council Decision - 2020 Drinking Water Systems Report

**CAUTION:** This email originated from a source outside the City of Markham. **DO NOT CLICK** on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. The Regional Clerk circulate this report to the Clerks of the local municipalities, City of Toronto, Regional Municipality of Peel, and the Ontario Chief Drinking Water Inspector (Ministry of the Environment, Conservation and Parks).

The original staff report is attached for your information.

Please contact David Szeptycki, Director of Strategy and Innovation, at 1-877-464-9675 ext. 75723, or Beth Weir, Director of Operations, Maintenance and Monitoring, at 1-877-464-9675 ext. 75340 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Regional Clerk's Office, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
**O:** 1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# The Regional Municipality of York

Committee of the Whole  
Environmental Services  
April 8, 2021

Report of the Commissioner of Environmental Services

## 2020 Drinking Water Systems Report

### 1. Recommendation

The Regional Clerk circulate this report to the Clerks of the local municipalities, City of Toronto, Regional Municipality of Peel, and the Ontario Chief Drinking Water Inspector (Ministry of the Environment, Conservation and Parks).

### 2. Summary

This report and attachments satisfy Council reporting requirements for water quantity, quality and compliance in Ontario Regulation 170/03 – Drinking Water Systems and supports Council in meeting statutory standard of care requirements under the *Safe Drinking Water Act, 2002* (the Act).

Key Points:

- In 2020, 100% of 17,923 laboratory analyzed samples and 99.99% of 39.5 million continuous monitoring analyzer readings were within regulated standards and confirm York Region's high quality drinking water. All adverse results were addressed and reported. Additional information on 2020 adverse results is in Attachment 1
- In 2020, all Ministry of the Environment, Conservation and Parks inspections of the Region's drinking water systems scored 100%. Additional information on 2020 calendar year inspections is in Attachment 2
- York Region received excellent scores in the Chief Drinking Water Inspector's Annual Report Card for the Province's 2019-2020 fiscal year, with a score of 99.98% for water samples meeting Ontario's drinking water quality standards and an inspection score of 100%
- Drinking water systems operated within permitted volume and capacity limits, with one minor exception. On July 4, 2020, the Nobleton system exceeded permitted production limits by 12 cubic metres. Additional information is in the Water Volume and Capacity section of this report, and in Attachment 3
- This report and its attachments were submitted to members of Council by the March 31, 2021 regulatory deadline

### 3. Background

#### **York Region complies with the *Safe Drinking Water Act, 2002* to protect public health through drinking water**

The Ministry of the Environment, Conservation and Parks (the Ministry) regulates municipal drinking water systems in Ontario. The Act was developed to address factors that led to the Walkerton tragedy. As a result, Ontario now has some of the safest drinking water in the world.

The Act requires municipalities to report annually on drinking water. It also imposes a standard of care upon Municipal Council members. Councillors are required to exercise the level of care, diligence and skill regarding oversight of municipal drinking water system that a reasonably prudent person would be expected to exercise. This includes acting with a view to ensuring the protection and safety of users of the municipal drinking water system. Council protects the people in their communities by ensuring financial sustainability, asset management, risk mitigation and continual improvement of the Region's water systems.

This report summarizes 2020 calendar year drinking water systems information with further details in the attachments as follows:

- Reported adverse water quality events and corrective actions (Attachment 1)
- Ministry inspection findings and corrective actions (Attachment 2)
- Performance data for each drinking water system (Attachment 3)
- Monetary expenses for each drinking water system (Attachment 4)

#### **York Region partners with Public Health, its nine local municipalities, and neighbouring municipalities to provide safe drinking water**

Within York Region, water is delivered through a two-tiered water system. The Region operates and maintains 15 drinking water supply systems, which provide water to all nine local municipalities. Our local municipal partners maintain their distribution systems to distribute high quality water to residents and businesses.

Environmental Services and Public Health maintain a 24/7 response system to address potential water quality issues. Public Health assesses potential health impacts from reported adverse water quality test results. No follow up corrective actions were required in 2020 and no boil water advisories or drinking water avoidance advisories due to water quality concerns have been ordered by Public Health. Procedures are in place to ensure close cooperation with Public Health, local municipalities and the Ministry to ensure effective communication and to protect public health for water quality concerns.

Despite COVID-19, Environmental Services, the local municipalities and York Region Public Health continued to provide safe and uninterrupted water and wastewater services to York Region residents and businesses. These unprecedented times underscore the direct link

water and wastewater services play in supporting our communities' public health by providing reliable, safe and clean drinking water.

## **Multi-barrier approach to risk management protects drinking water systems and public health**

A multi-barrier approach proactively protects drinking water quality and safety, while informing corrective actions when required. Elements of this approach include Source Water Protection, training of operators, the Drinking Water Quality Management Standard, system audits, a strict Provincial Inspection and Enforcement Program, and research that anticipates future water quality and operational challenges.

## **Source Protection Program prevents contamination of Ontario's drinking water**

Staff continue to identify, mitigate, and report current and future threats to drinking water sources as required by the *Clean Water Act, 2006*. York Region's Drinking Water Source Protection Program identifies and manages potential threats to drinking water. Continued focus areas include:

- Requiring proposed developments in vulnerable areas to plan carefully to ensure the safety of our immediate and long-term drinking water supply
- The Source Water Protection Incentive Program, which encourages and supports businesses to make changes to protect drinking water sources
- Working together with the Province, local and neighbouring municipalities, and Conservation Authorities to align our programs and plans to ensure consistent, effective and successful protection of all sources of drinking water

In 2021, York Region's Source Water Protection Program will continue to serve the community through these focus areas. Implementation efforts are documented and reported to the Province as required by the *Clean Water Act, 2006*.

## **Provincially mandated training provides staff with required knowledge to sustain high performing water and wastewater systems**

Staff continued to develop and participate in relevant and informative virtual and in-person training, abiding by all COVID-19 restrictions and Public Health protocols. The training program is tailored to ensure operators receive required provincially standardized education, and that on-the-job training translates regulatory requirements to operational needs. The training program equips staff to manage drinking water systems competently and efficiently in compliance with applicable licence requirements and best practices.

## **Drinking Water Quality Management Standard is a tool for driving continual improvement**

The Region adheres to a statutory quality management standard that protects public health through consistent practices for managing and operating water systems, and by proactively

identifying and mitigating risks. The standard requires an approach for identifying and resolving inefficiencies through process and procedure improvements. The 2020 Integrated Management System Update Report, also on this agenda, provides more information.

### **Provincial inspections and enforcement assess compliance**

York Region facilities are inspected annually by the Ministry to confirm compliance with regulations, licenses, permits and Ministry procedures. Staff maintains a positive working relationship with regulators to identify and mitigate risks identified in our watersheds.

### **York Region's data management practices were recognized for management innovation**

Online instruments and a comprehensive sampling program generate billions of data points about the performance of our drinking water systems. Automated data analysis processes save staff time by comparing data against regulated limits and prompting staff to follow up as appropriate. Empowering staff with the right tools, technology and training allows them to gain insights into the data, which supports our industry-leading drinking water operations.

Comprehensive data management practices also enable the sharing of meaningful datasets on the Region's website. The interactive report found at [york.ca/drinkingwater](https://york.ca/drinkingwater) provides an effective way to learn about the Region's drinking water systems. The complete dataset may also be downloaded from the Region's Open Data site. In 2020, the Ontario Public Works Association recognized York Region for management innovation as a leader in drinking water data management and transparency with the public. Easy to access data supports Council's Strategic Plan Objective of "Maintaining public confidence in Regional government" and the Vision 2051 goal of "Open and Responsive Governance".

## **4. Analysis**

### **WATER QUALITY**

#### **All laboratory samples met limits in 2020, and results confirm York Region's high-quality drinking water continues to be safe**

The comprehensive sampling program includes both regulatory and research samples and is updated in response to operational needs and regulatory changes. In 2020, the York-Durham Environmental Laboratory performed 17,923 water quality tests for York Region's drinking water systems. Four sodium samples were above the reporting threshold of 20 mg/L, prompting notification to York Region's Medical Officer of Health. This reporting threshold for sodium is not a compliance limit or regulated standard – it ensures those on sodium restricted diets have information available to them about sodium levels in their drinking water. Results this year mean 100% of all samples collected and analyzed by the laboratory in 2020 were within regulated limits and standards. The laboratory initiates a notification process when sample analysis indicates a parameter requires reporting. Staff responded to each adverse test result and performed corrective actions. There were no risks to public health because of these adverse events.

Table 1 summarizes the laboratory analyzed water quality test results reported as adverse water quality events in 2020. Attachment 1 summarizes all reported adverse water quality events.

**Table 1**  
**Adverse Water Quality Events**  
**Reported from Laboratory Analyzed Samples in 2020**

Parameter, Drinking Water System (DWS) and Number of Occurrences	Summary of Reported Sample Results and Corrective Actions Taken
Sodium <ul style="list-style-type: none"> <li>• Ansnorveldt DWS (1)</li> <li>• Georgina DWS (1)</li> <li>• Schomberg DWS (2)</li> </ul>	<p>Sodium levels between 20.2 and 41.9 mg/L were reported in April at Ansnorveldt Wells 2 and 3, Georgina Water Treatment Plant, Schomberg Water Treatment Plant and Schomberg Elevated Tank.</p> <p>The reporting requirement is once every 57 months for results exceeding 20 mg/L. Health Canada's guideline for sodium in drinking water is an aesthetic taste objective of 200 mg/L.</p> <p>Operators resampled these facilities to confirm sodium levels were meeting the aesthetic taste objective.</p>

### **Continuous monitoring analyzers and online equipment safeguard drinking water delivered to residents**

In addition to sampling conducted by operators, 376 online analyzers continuously monitored system performance, creating 39.5 million water quality records in 2020. Online analyzers continuously monitor several water quality parameters, including chlorine residual, which is an indicator of disinfection level. Analyzers and other online equipment are calibrated regularly by trained operators and technicians.

Highly sensitive analyzers monitor water quality at all times and automatically stop water production if a concern is detected. The Region's Remote Operations Centre monitors the system 24/7 and dispatches field operators to respond to alarms or unusual trends and perform corrective actions as required. These processes greatly reduce the risk of non-potable water entering the drinking water system.

### **Online monitoring system and analyzer readings showed compliance with regulatory limits for water safety parameters**

Of the 39.5 million analyzer readings in 2020, staff reported 22 adverse water quality events. Most events self-corrected or needed minor equipment adjustments and required no operator

intervention aside from confirming drinking water was safe through onsite tests and restarting facility operation. There was no risk to public health because of these adverse events.

Table 2 summarizes the continuously monitored analyzer readings reported as adverse water quality events in 2020. Attachment 1 summarizes all reported adverse water quality events.

**Table 2**  
**Adverse Water Quality Events**  
**Reported from Continuous Monitoring Analyzer Readings in 2020**

Parameter, Drinking Water System (DWS) and Number of Occurrences	Summary of Reported Sample Results and Corrective Actions Taken
High Chlorine Level <ul style="list-style-type: none"> <li>• Aurora DWS (1)</li> <li>• Newmarket DWS (1)</li> <li>• Schomberg DWS (7)</li> <li>• York DWS (1)</li> </ul>	<ul style="list-style-type: none"> <li>• High chlorine residual events resulted from temporary, minor equipment or process errors</li> <li>• Corrective actions for high chlorine levels include collecting grab samples and recalibrating analyzers</li> </ul>
Low Chlorine Level <ul style="list-style-type: none"> <li>• Georgina DWS (1)</li> <li>• Stouffville DWS (2)</li> </ul>	<ul style="list-style-type: none"> <li>• Low chlorine events were caused by temporary, minor equipment errors</li> <li>• Corrective actions included collecting grab samples and restoring normal operation of facility by backflushing until chlorine residuals compliant</li> </ul>
Filtration Performance <ul style="list-style-type: none"> <li>• Keswick DWS (2)</li> <li>• Georgina DWS (1)</li> </ul>	<ul style="list-style-type: none"> <li>• In one instance, coagulant was not added ahead of filtration due to an operational error</li> <li>• Corrective actions included isolating plant from system and backflushing; water without coagulant did not leave the plant</li> <li>• In two instances, water turbidity results suggested poor filter performance. Flow halted upon alarm and prevented water from entering distribution system</li> <li>• Corrective actions included collecting grab samples and restoring normal operation of facility by backflushing until turbidity readings decreased</li> </ul>

Parameter, Drinking Water System (DWS) and Number of Occurrences	Summary of Reported Sample Results and Corrective Actions Taken
High Fluoride Level <ul style="list-style-type: none"> <li>Georgina DWS (2)</li> <li>Keswick DWS (3)</li> </ul>	<ul style="list-style-type: none"> <li>Fluoride is continuously monitored at Georgina and Keswick Water Treatment Plants, where it is applied within optimal range recommended by the Medical Officer of Health</li> <li>When alarms trigger for fluoride readings above operational limits, the facility immediately stops directing water to the distribution system</li> <li>If required, an operator may backflush system to prevent the treated water from leaving facility and restore correct fluoride dose</li> </ul>
Low System Pressure <ul style="list-style-type: none"> <li>York DWS (1)</li> </ul>	<ul style="list-style-type: none"> <li>A low-pressure incident occurred in Richmond Hill due to a watermain break. Break was repaired, and the watermain was disinfected and flushed. Microbiological sampling results confirmed no contamination</li> </ul>

## 2020 CALENDAR YEAR MINISTRY INSPECTIONS

### In 2020, all drinking water system inspections scored 100%

In the 2020 calendar year, all Ministry inspections scored 100%. There were 10 inspections completed for the Region's drinking water systems. All worker health and safety protocols related to COVID-19 were adhered-to during inspections. Attachment 2 outlines the 2020 calendar year inspection results. There were no non-compliance findings in 2020; Ministry staff included one administrative best management practice recommendation to improve documentation practices, which staff have implemented.

## CHIEF DRINKING WATER INSPECTOR 2019-2020 RATINGS

### York Region received top scores in the Greater Toronto Area for the Ontario Chief Drinking Water Inspector's 2019-2020 Annual Report

Ontario's Chief Drinking Water Inspector releases an annual report, which rates all regulated drinking water systems in Ontario. Reporting timelines are based on the Ministry's previous fiscal year from April 1, 2019 to March 31, 2020. York Region achieved top scores for inspections and for samples meeting provincial water quality standards. In the 2019-2020 Chief Drinking Water Inspector's Report, York Region's combined average score was 99.99%. The City of Toronto and Peel Region, which supply the majority of York Region's drinking water, also received high scores. Table 3 outlines the scores for GTA municipalities.

**Table 3**  
**Ministry of the Environment, Conservation and Parks**  
**2019-2020 Chief Drinking Water Inspector's Annual Report Scores**

Municipality	Inspection Rating (%)	Water Quality Tests Meeting Standards (%)	Overall Score (%)
	2019-2020	2019-2020	2019-2020
<b>York Region*</b>	<b>100.00</b>	<b>99.98</b>	<b>99.99</b>
Durham Region*	100.00	99.85	99.92
City of Toronto*	100.00	99.81	99.90
Peel Region*	97.95	99.96	98.96
Provincial Average	98.42	99.85	99.13

\*Average of scores for all drinking water systems within the municipality

York Region achieved an overall inspection rating of 100% in the Chief Drinking Water Inspector's Report. Details on 2019 inspections and sample results are found in the 2019 Drinking Water Systems report to Council on [March 12, 2020](#).

York Region achieved an overall sample compliance rating of 99.98% in the Chief Drinking Water Inspector's Report for laboratory analyzed samples meeting the requirements of O.Reg.169/03: Ontario Drinking Water Quality Standards. This is based on laboratory sampling conducted from April 1, 2019 to March 31, 2020. Details on 2019 adverse water quality incidents are found in the 2019 Drinking Water Systems report to Council on [March 12, 2020](#).

Historically, York Region scores very well in the Chief Drinking Water Inspector's Report, scoring above the Provincial average, with combined inspection and test result averages ranging between 99.17 (2017/2018) and 99.99 (2019/2020) over the previous five years.

## **WATER VOLUME AND CAPACITY**

### **All drinking water systems operated within permitted water volume and capacity limits, except for one system on one day**

In 2020, York Region's drinking water systems operated within their monthly average withdrawal and maximum daily withdrawal limits, with a single exception. On July 4, 2020, the combined total flow from three wells in Nobleton exceeded the permitted limit of 4,460 cubic metres per day by 12 cubic metres. Process controls were unexpectedly triggered with a minor delay due to telecommunication issues between facilities, which have now been

adjusted. The Nobleton Drinking Water System continues to meet the water needs of the community, with an average daily water demand from the three wells operating below their permitted capacity.

York Region continues to maintain compliance with:

- The *Safe Drinking Water Act, 2002* and its regulations
- Terms and conditions of the Region's Permits to Take Water and supply agreements with the City of Toronto and Peel Region
- Permitted Intra-Basin Transfer volumes for water taken from (and returned to) Lake Ontario for communities in the Lake Huron watershed

York Region continues to ensure sufficient drinking water capacity for the Region's growing population. Attachment 3 illustrates important data about the amount of water taken from each water source. This data informs decision making regarding long-term, reliable water sourcing. Maximum permitted volumes support forecasted population growth to 2031. Long-term water demands will be refined in the updated Water and Wastewater Master Plan, which is currently underway.

## 5. Financial

### **Effective and comprehensive asset management is critical to delivering reliable and sustainable water services**

York Region delivers high quality drinking water in a safe and cost-effective manner. In the approved 2020 Capital and Operating Budget, Environmental Services presented the 2020 to 2022 budget and operating outlook. In addition to funding to maintain assets that are wholly owned and maintained by York Region, many projects are cost-shared with the Regional Municipality of Peel and the City of Toronto. These investments support long-term drinking water safety and supply. Effective asset and infrastructure management is critical to the Region's ability to deliver services and sustain our growing communities. The approved 2021 Capital and Operating Budget, presented to Council on [March 4, 2021](#), shares information on how water and wastewater assets are funded.

In October 2015, Council approved 2016-2021 water rates. The plan was implemented commencing April 2016, and the Region was on track to achieve full cost recovery pricing by 2021; however, previously approved water rate increases for 2020 and 2021 have since been deferred due to impacts of the COVID-19 pandemic. As a result, full-cost pricing will not be achieved this year. One of the key features of full cost pricing is fully funding asset management work to ensure our system remains in a state of good repair and performs optimally. Staff will be bringing multi-year rate recommendations to Committee in late 2021.

## **York Region invested \$12.3 million in 2020 to maintain and improve drinking water systems**

The Drinking Water Systems regulation requires water utility owners to “describe any major expenses incurred during the period covered by the report to install, repair or replace required equipment.”

In 2020, York Region invested \$12.3 million installing, repairing or replacing equipment used to treat, store and deliver safe drinking water. This is a small cost compared to water asset replacement cost of \$2.3 billion; this investment demonstrates the importance of routine maintenance to maximize asset performance and minimize costs. These rate-supported costs are funded through the Environmental Services water budget, as approved annually by Council. These expenses do not include operational costs or salaries and are summarized in Attachment 4.

## **Drinking tap water is the financially and environmentally responsible choice**

Tap water is affordable compared to bottled water, and our municipal water is highly regulated and constantly monitored. Bottled water sales continue to grow, and recent statistics show bottled water has surpassed the consumption of other commercially available beverages. The cost of bottled water is significant compared to tap water. For example, spending \$1 on bottled water can buy the equivalent of over 600 bottles worth of tap water. Bottled water also generates waste, plastic that is difficult to recycle and additional costs from packaging and transportation. Drinking tap water is the financially and environmentally responsible thing to do.

## **6. Local Impact**

### **York Region and its nine local municipalities work together to distribute high quality drinking water**

Water quality standards are maintained through collaboration between York Region and the nine local municipalities. Although ownership and operation of the water systems is two-tiered, the Region and the local municipalities coordinate operation of highly efficient and integrated systems to provide safe and uninterrupted water supply to our shared customers.

## **7. Conclusion**

York Region’s drinking water systems must comply with strict provincial regulations to keep drinking water safe. In 2020, all laboratory samples met compliance limits and no non-compliances were identified through Ministry inspections, confirming the excellent performance of York Region’s drinking water systems. The ongoing excellence of our drinking water systems is supported through continual improvement initiatives including data management work that was recently recognized for management innovation by the Ontario Public Works Association.

This report and attachments satisfy the Council reporting requirements in Ontario Regulation 170/03 – Drinking Water Systems and support Council in meeting statutory standard of care requirements under the *Safe Drinking Water Act, 2002*. The drinking water quality and systems data, posted on [york.ca/opendata](http://york.ca/opendata) and on [york.ca/drinkingwater](http://york.ca/drinkingwater), satisfy the public-facing water quality and systems information reporting requirements under the Act. It demonstrates the Region's commitment to operational excellence through continual improvement, while also fulfilling our obligation to communicate performance to Council, stakeholders and the public. Council is able to demonstrate due diligence required for decision-making under their statutory standard of care by reviewing and considering the information contained in this report when exercising decision-making authority.

For more information on this report, please contact David Szeptycki, Director of Strategy and Innovation, at 1-877-464-9675 ext. 75723, or Beth Weir, Director of Operations, Maintenance and Monitoring, at 1-877-464-9675 ext. 75340. Accessible formats or communication supports are available upon request.

Recommended by:

Per: 

**Erin Mahoney, M. Eng.**

Commissioner of Environmental Services

Approved for Submission:



**Bruce Macgregor**

Chief Administrative Officer

March 19, 2021

Attachments (4)

12417067

## 2020 SUMMARY OF ADVERSE WATER QUALITY INCIDENTS AND CORRECTIVE ACTIONS

The Ministry of Environment, Conservation and Parks and the York Region Medical Officer of Health were satisfied with corrective actions taken for all events in the summary below and had no further direction.

### Ansnorveldt Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Sodium > 20.0 mg/L	Apr 15	41.9 mg/L	Operator attended site. Resample taken.

### Aurora Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Jul 05	5.00 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

### Ballantrae-Musselman's Lake Drinking Water System

There were no adverse water quality incidents for this drinking water system

### Georgina Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Filter Performance	Dec 17	>0.1 NTU	Filter performance monitored continuously, alarms halted flow through affected equipment. Operator attended site, facility restored to normal operation.
Fluoride > 1.5 mg/L	Jul 08	5.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Dec 04	2.00 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
Free Chlorine Residual < 0.05 mg/L	Sep 06	0.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 01	32.5 mg/L	Operator attended site. Resample taken.

### Holland Landing Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

### Keswick Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Filter Performance	Mar 23	2.99 NTU	Filter performance monitored continuously, alarms halted flow through affected equipment. Operator attended site, facility restored to normal operation.
	Aug 09	No coagulant	Operator attended site, restored facility to normal operation.
Fluoride > 1.5 mg/L	Feb 27	1.56 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	Mar 20	1.96 mg/L	Flow halted upon alarm and prevented water from entering the distribution system. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.
	May 21	1.68 mg/L	Reported as due diligence. Operator attended site. Facility returned to normal operation. Compliant grab sample taken.

### King City Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

### Kleinburg Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

### Mount Albert Drinking Water System

There were no adverse water quality incidents for this drinking water system

### Newmarket Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 4.0 mg/L (Regulatory Relief Sites)	Dec 29	4.06 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.

## Nobleton Drinking Water System

There were no adverse water quality incidents for this drinking water system

## Schomberg Drinking Water System

Incident Description	Date	Test Result	Corrective Action
Combined Chlorine Residual > 3.0 mg/L	Mar 06	3.07 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Mar 21	3.05 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Oct 24	3.27 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 16	3.42 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 25	3.05 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Nov 28	3.00 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Dec 18	3.18 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
Sodium > 20.0 mg/L	Apr 15	20.2 mg/L	Operator attended site. Resample taken.
	Apr 15	20.9 mg/L	Operator attended site. Resample taken.

## Sharon/Queensville Sub-System (York Drinking Water System)

There were no adverse water quality incidents for this drinking water system

## Stouffville Sub-System (York Drinking Water System)

Incident Description	Date	Test Result	Corrective Action
Free Chlorine Residual < 0.05 mg/L	May 22	0.04 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.
	Aug 26	0.08 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.

## York Drinking Water System: Markham, Richmond Hill, Vaughan

Incident Description	Date	Test Result	Corrective Action
System Pressure < 20 psi	Jan 03	0 PSI	Watermain break was repaired, disinfected, and flushed. Microbiological samples confirmed no contamination.
Combined Chlorine Residual > 3.0 mg/L	Apr 13	3.53 mg/L	Operator attended site, facility restored to normal operation. Compliant grab sample taken.

**ATTACHMENT 2**

## 2020 SUMMARY OF INSPECTION FINDINGS AND CORRECTIVE ACTIONS

System Name and Inspection Date	Inspection Score (%)	Summary of Findings and Corrective Actions
<b>Municipality: Aurora</b>		
Aurora DWS September 25, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
<b>Municipality: East Gwillimbury</b>		
Holland Landing DWS July 27, 2020	100	One best management practice recommendation: a due-diligence Adverse Water Quality Incident was accidentally reported under the York Drinking Water System instead of the Holland Landing subsystem. Staff were reminded to verify the correct system/subsystem name when reporting Adverse Water Quality Incidents.
Mount Albert DWS June 24, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
<b>Municipality: King</b>		
Ansnerfeldt DWS August 4, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
Nobleton DWS May 6, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
Schomberg DWS August 11, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
<b>Municipality: Newmarket</b>		
Newmarket DWS July 28, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
<b>Municipality: Georgina</b>		
Keswick DWS January 15, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.

System Name and Inspection Date	Inspection Score (%)	Summary of Findings and Corrective Actions
<b>Municipality: Whitchurch-Stouffville</b>		
Ballantrae-Musselman's Lake DWS July 21, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.
<b>Municipality: Markham, Richmond Hill, Vaughan</b>		
York DWS January 20, 2020	100	There were no non-compliance findings or best management practice recommendations from this inspection.

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## 2020 PERFORMANCE DATA SUMMARIES FOR YORK REGION'S DRINKING WATER SYSTEMS (DWS)

### 2020 Water Quality & Capacity Summary | Ansnorveldt DWS

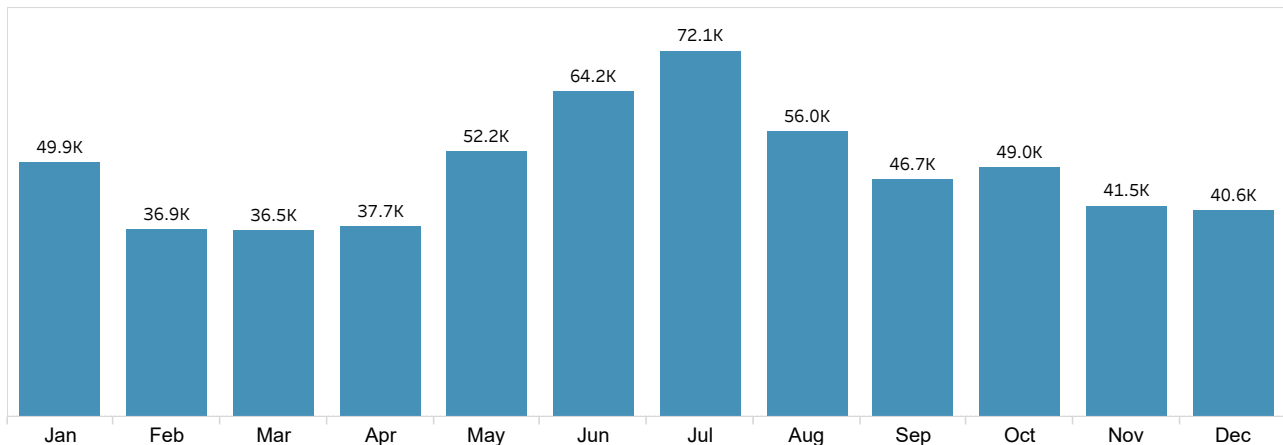
#### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Ansnorveldt DWS.

Chlorine	Fluoride	Sodium	Lead
1.59 mg/L	0.23 mg/L	41 mg/L	Not Detected (<0.0005 mg/L)

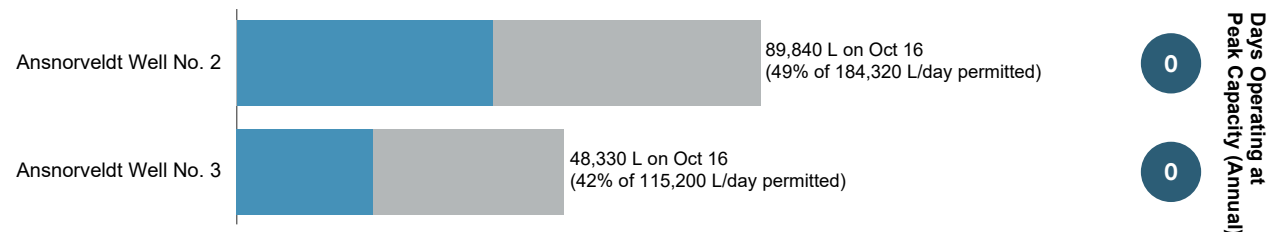
#### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Ansnorveldt DWS.



#### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Aurora DWS

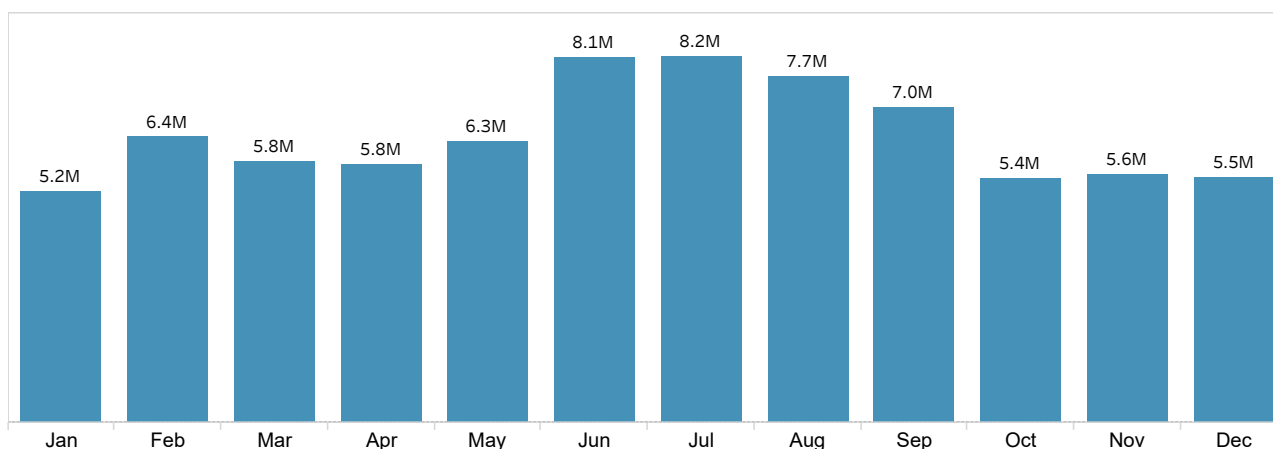
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Aurora DWS.

Chlorine	Fluoride	Sodium	Lead
2.61 mg/L	0.34 mg/L	17 mg/L	Not Detected (<0.0005 mg/L)

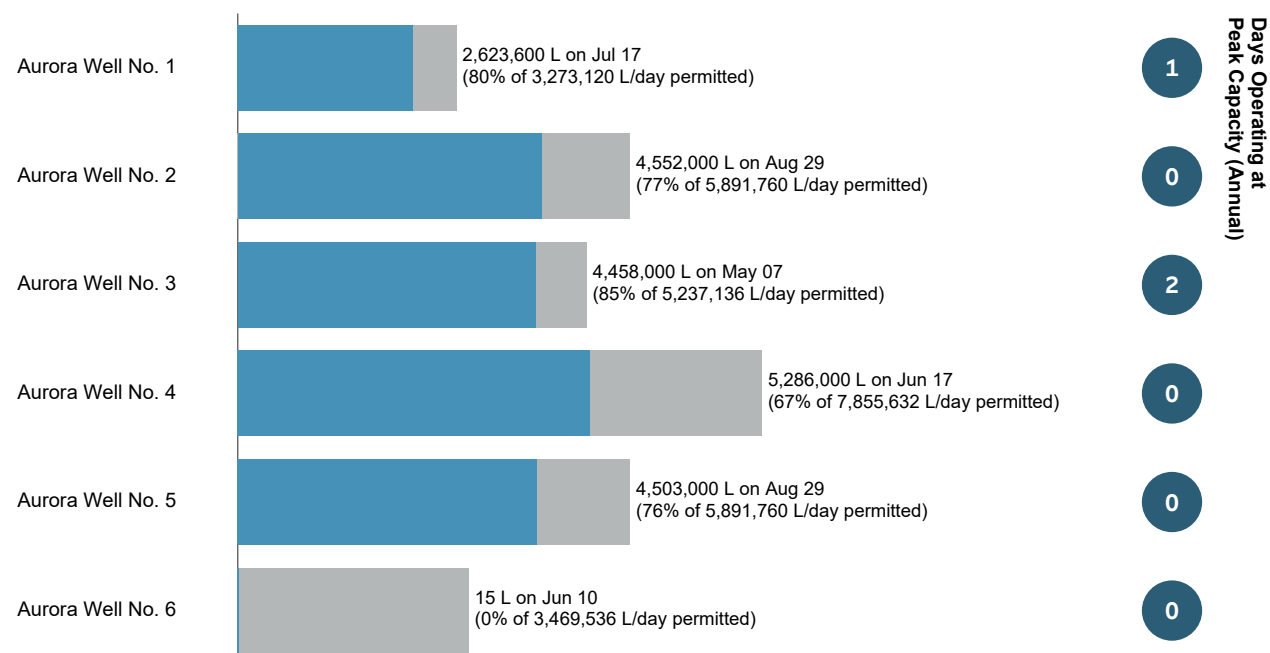
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Aurora DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Ballantrae/Musselman's Lake DWS

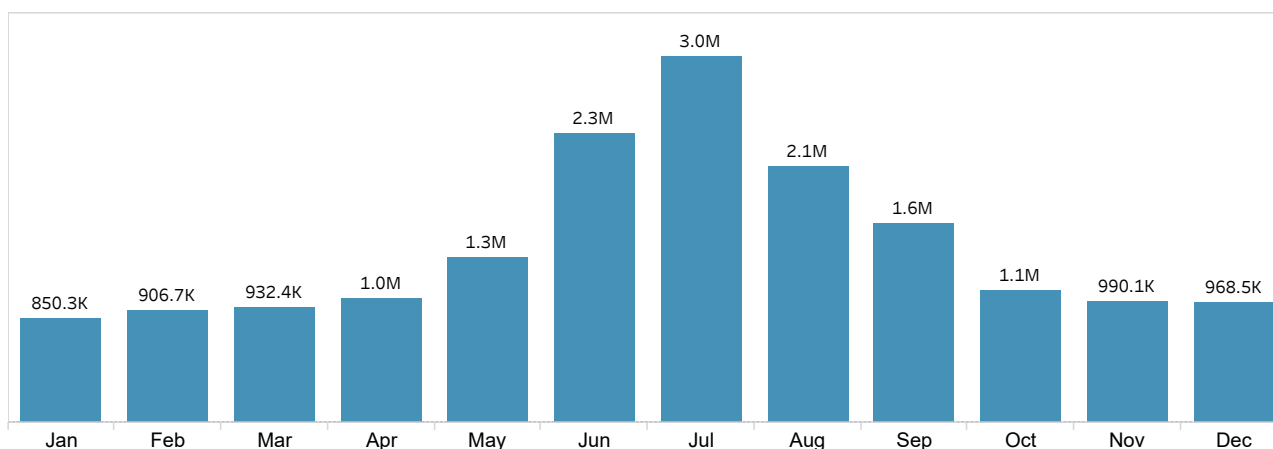
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Ballantrae/Musselman's Lake DWS.

Chlorine	Fluoride	Sodium	Lead
1.63 mg/L	0.07 mg/L	13 mg/L	Not Detected (<0.0005 mg/L)

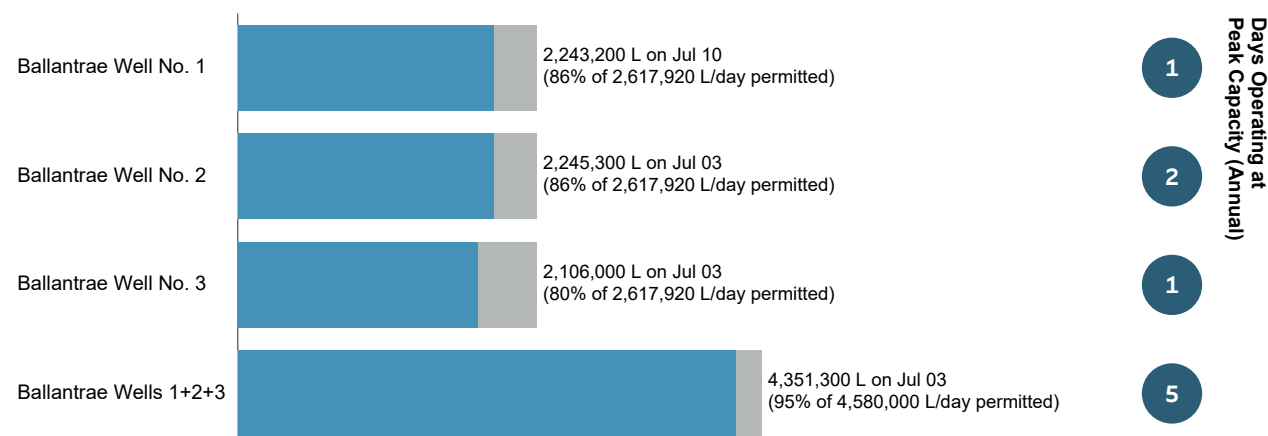
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Ballantrae/Musselman's Lake DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Georgina DWS

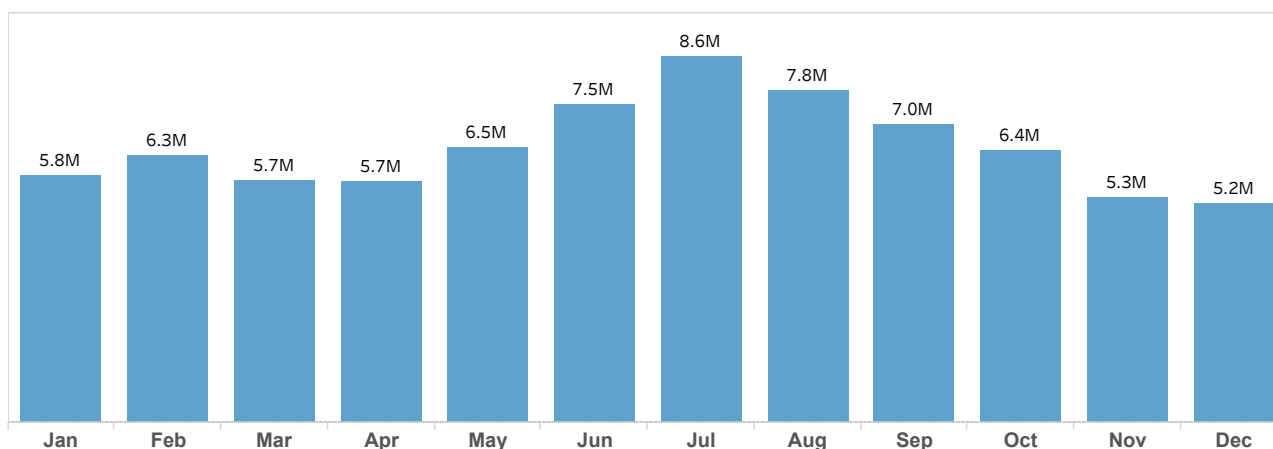
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Georgina DWS.

Chlorine	Fluoride	Sodium	Lead
1.63 mg/L	0.68 mg/L	32 mg/L	Not Detected (<0.0005 mg/L)

### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Georgina DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Holland Landing DWS

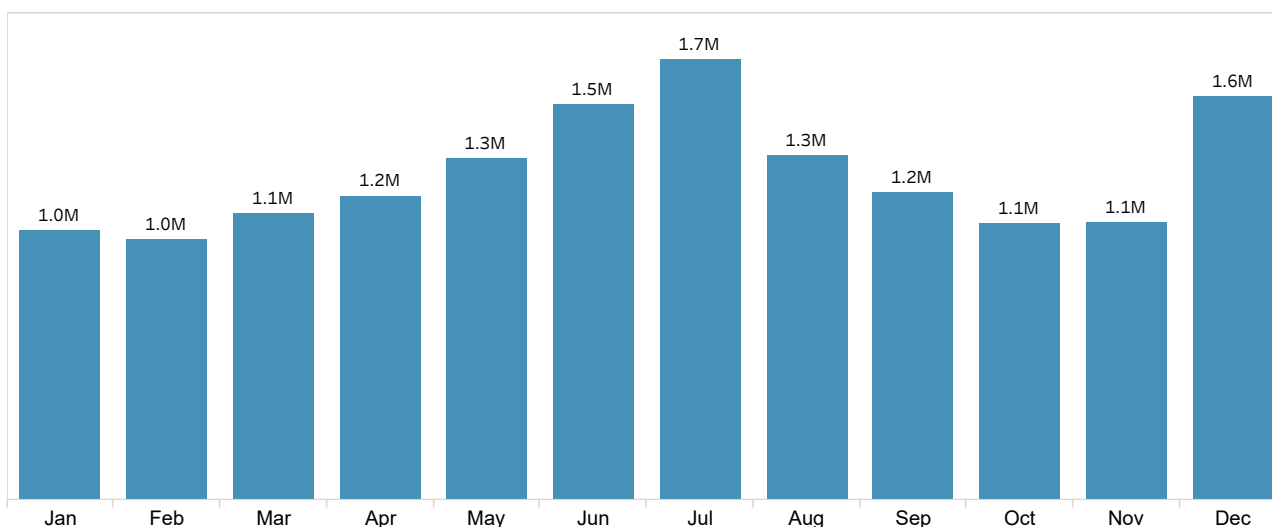
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Holland Landing DWS.

Chlorine	Fluoride	Sodium	Lead
2.54 mg/L	0.20 mg/L	21 mg/L	0.0006 mg/L

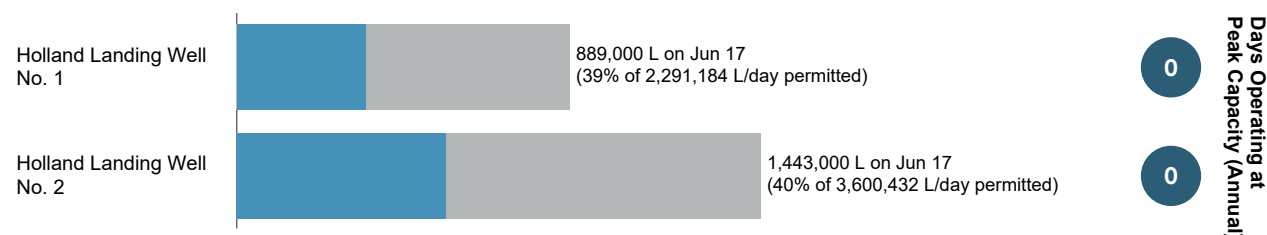
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Holland Landing DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Keswick DWS

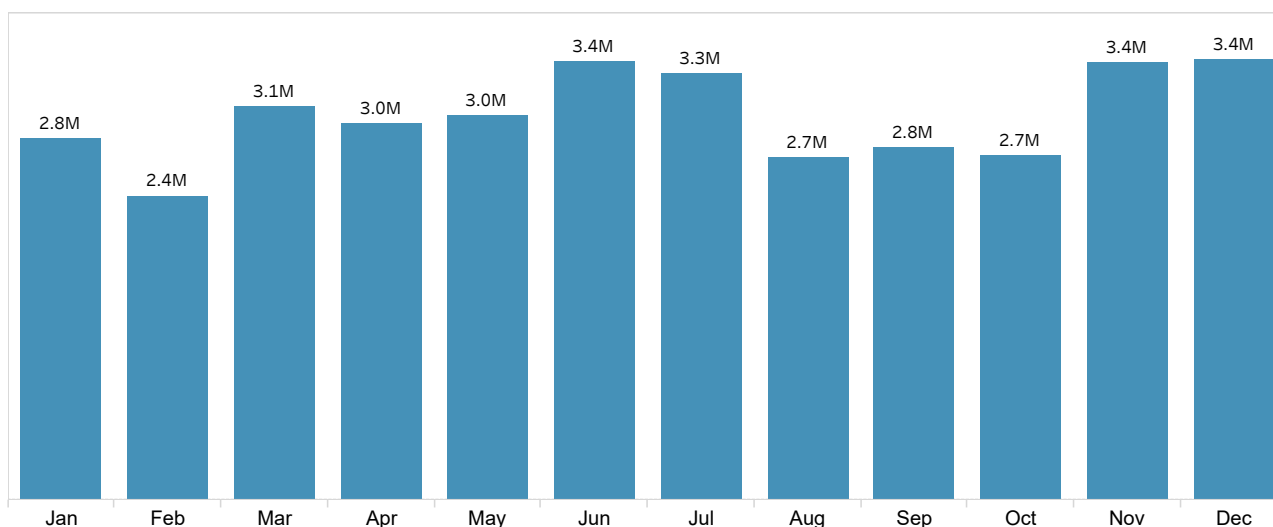
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Keswick DWS.

Chlorine	Fluoride	Sodium	Lead
1.39 mg/L	0.62 mg/L	36 mg/L	Not Detected (<0.0005 mg/L)

### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Keswick DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | King City DWS

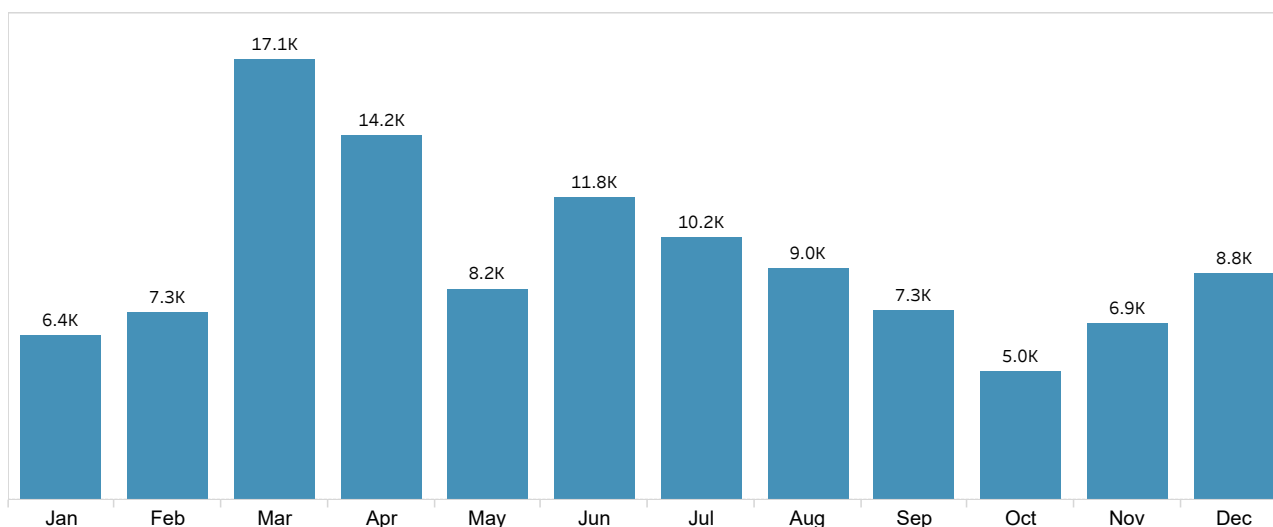
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the King City DWS.

Chlorine	Fluoride	Sodium	Lead
1.91 mg/L	0.55 mg/L	23 mg/L	Not Detected (<0.0005 mg/L)

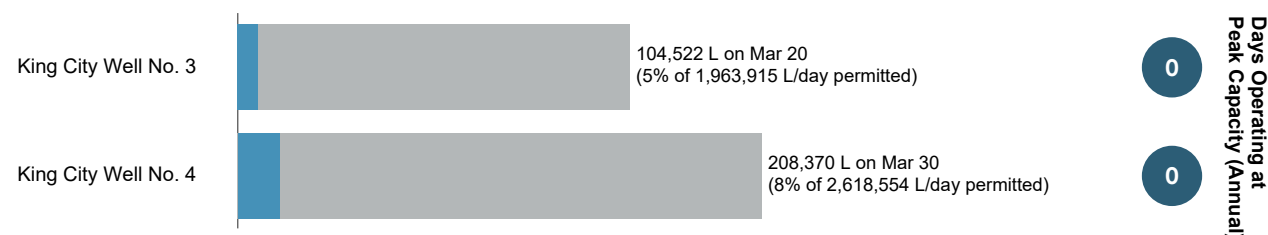
### System Monthly Average Flow

The following chart shows the average flow of water withdrawn from wells (but not directed to users) in litres per day (L/day) each month in the King City DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Kleinburg DWS

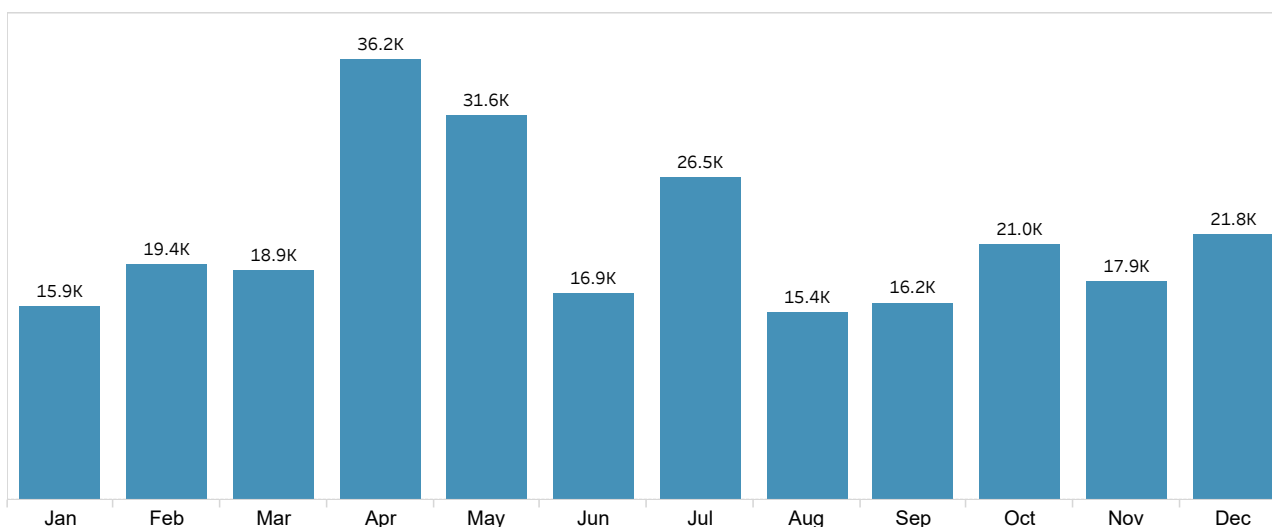
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Kleinburg DWS.

Chlorine	Fluoride	Sodium	Lead
1.84 mg/L	0.54 mg/L	23 mg/L	Not Detected (<0.0005 mg/L)

### System Monthly Average Flow

The following chart shows the average flow of water withdrawn from wells (but not directed to users) in litres per day (L/day) each month in the Kleinburg DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Mount Albert DWS

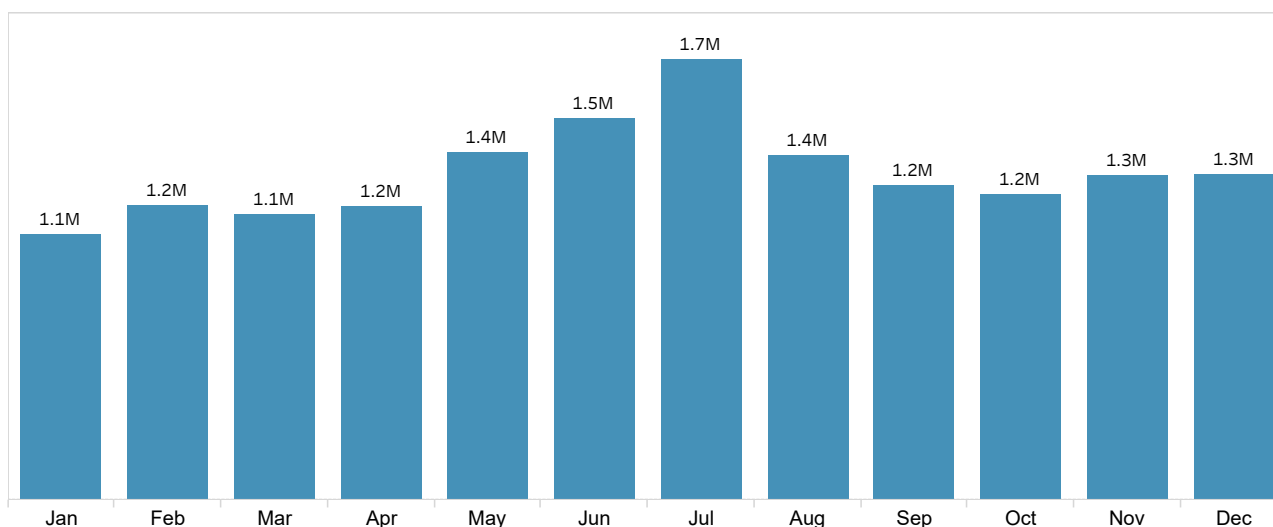
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Mount Albert DWS.

Chlorine	Fluoride	Sodium	Lead
1.55 mg/L	0.06 mg/L	12 mg/L	Not Detected (<0.0005 mg/L)

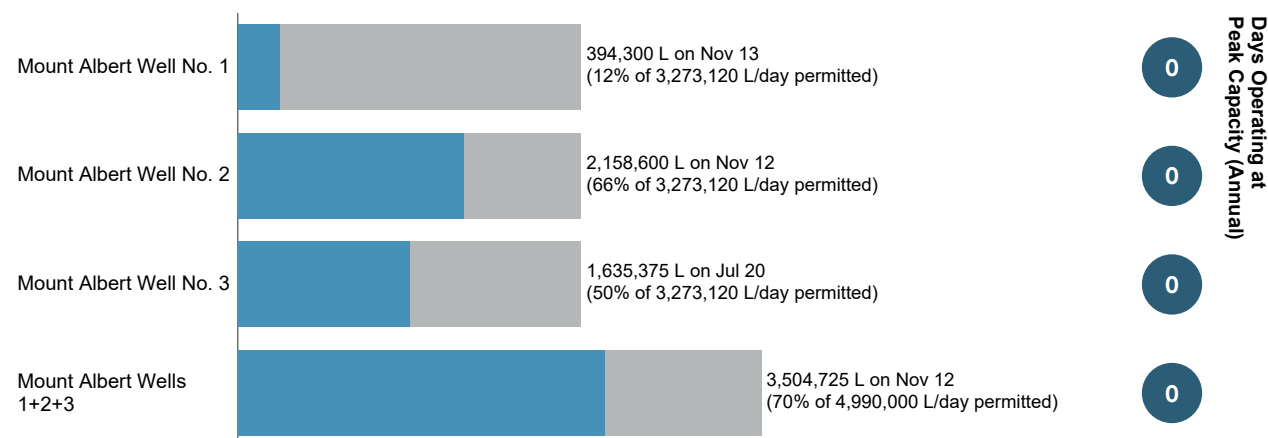
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Mount Albert DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Newmarket DWS

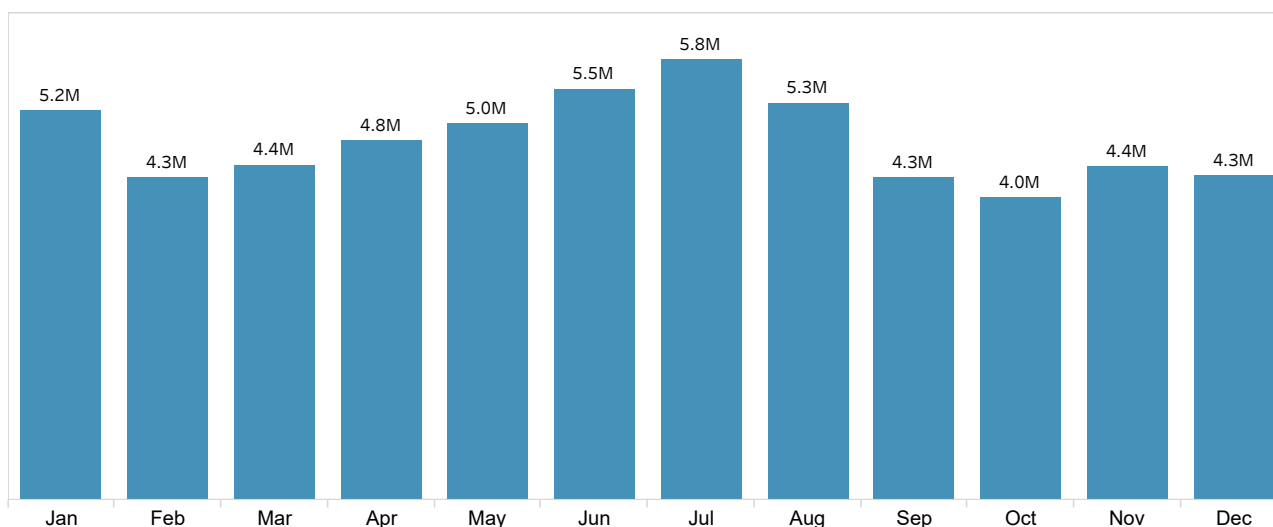
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Newmarket DWS.

Chlorine	Fluoride	Sodium	Lead
2.53 mg/L	0.29 mg/L	19 mg/L	Not Detected (<0.0005 mg/L)

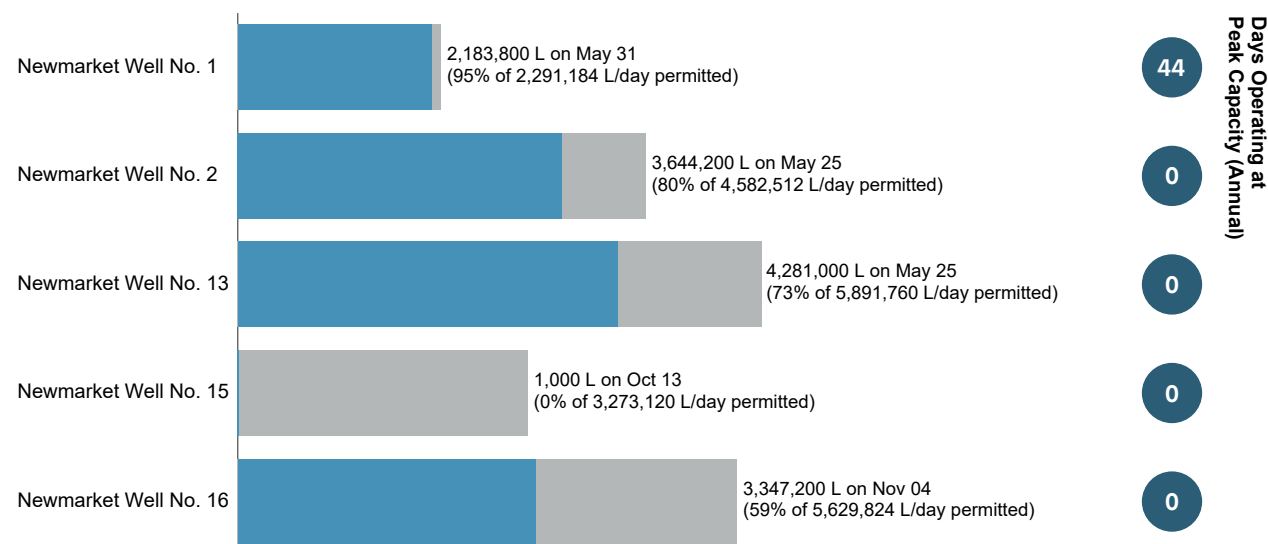
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Newmarket DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Nobleton DWS

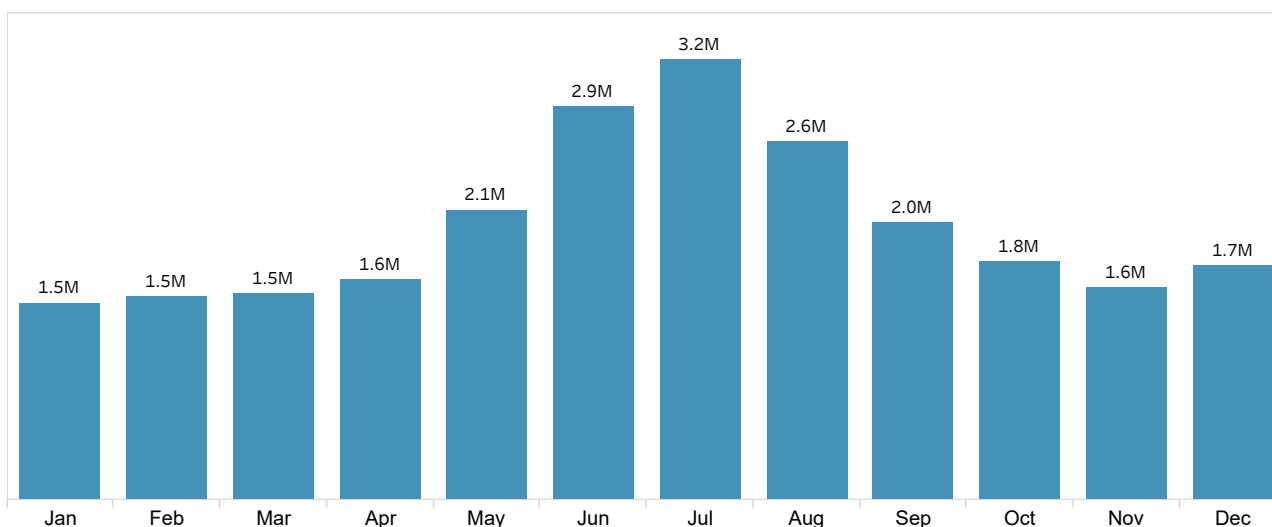
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Nobleton DWS.

Chlorine	Fluoride	Sodium	Lead
1.55 mg/L	0.10 mg/L	19 mg/L	Not Detected (<0.0005 mg/L)

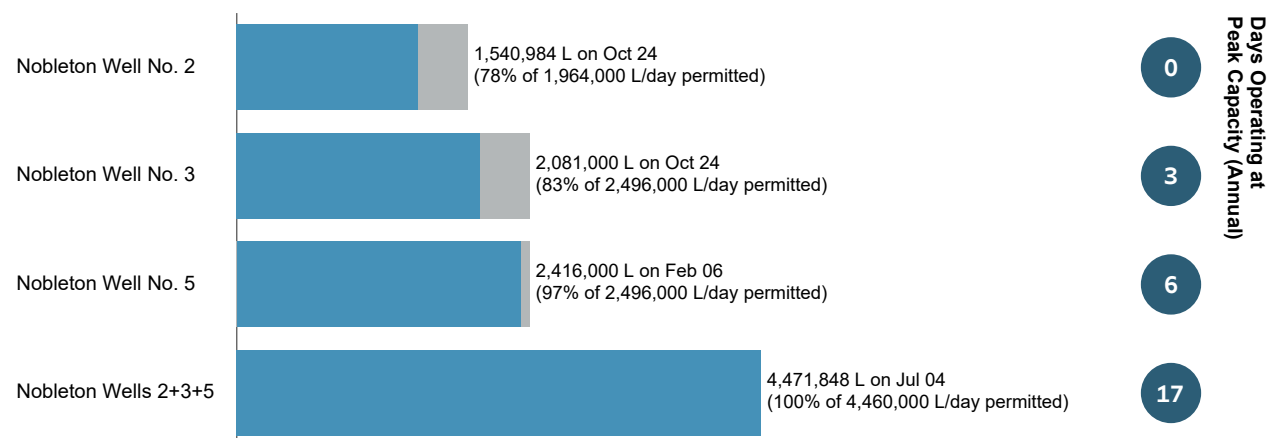
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Nobleton DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Schomberg DWS

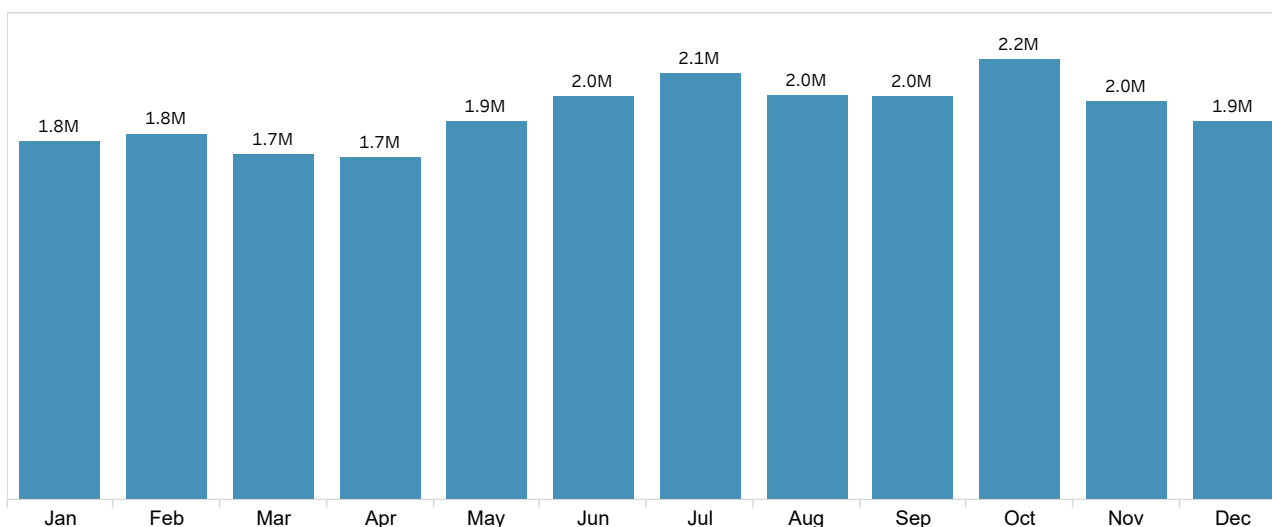
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Schomberg DWS.

Chlorine	Fluoride	Sodium	Lead
2.42 mg/L	0.13 mg/L	20 mg/L	Not Detected (<0.0005 mg/L)

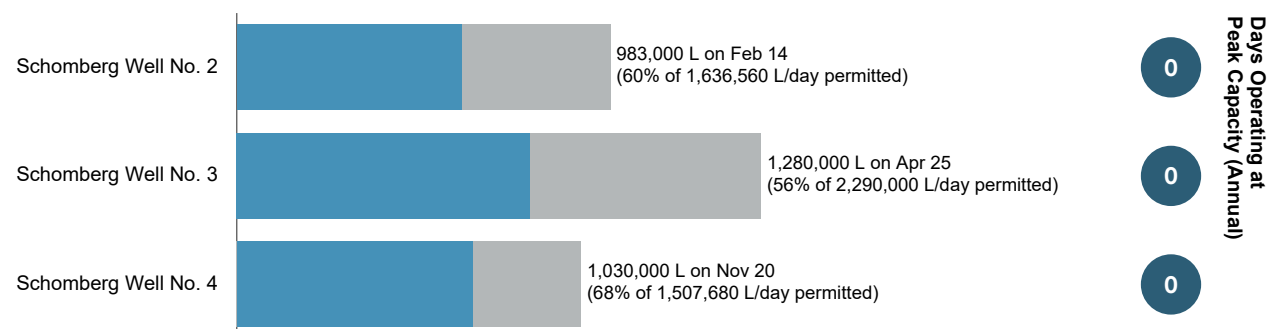
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Schomberg DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Sharon/Queensville DWS

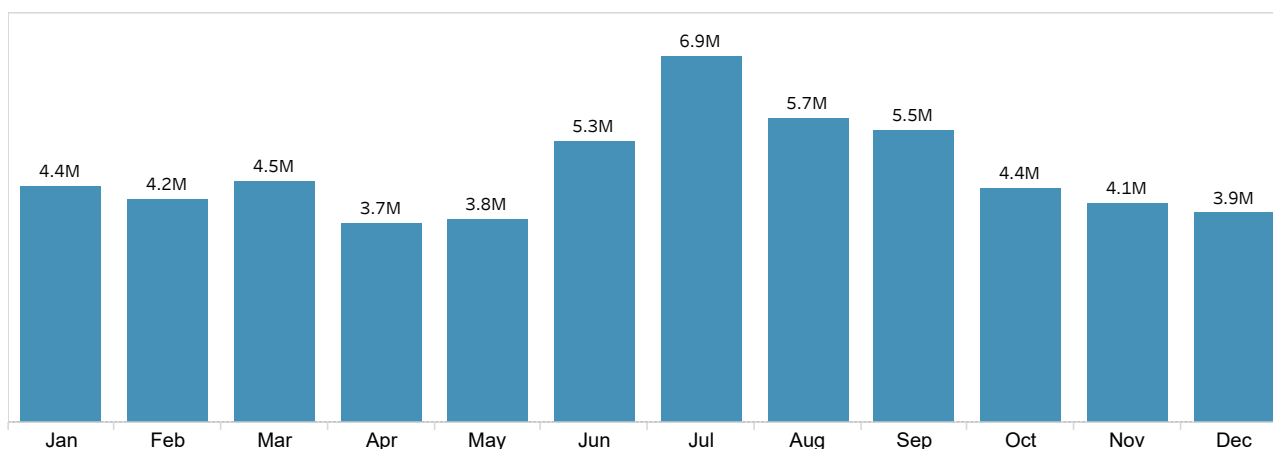
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Sharon/Queensville DWS.

Chlorine	Fluoride	Sodium	Lead
2.46 mg/L	0.18 mg/L	20 mg/L	Not Detected (<0.0005 mg/L)

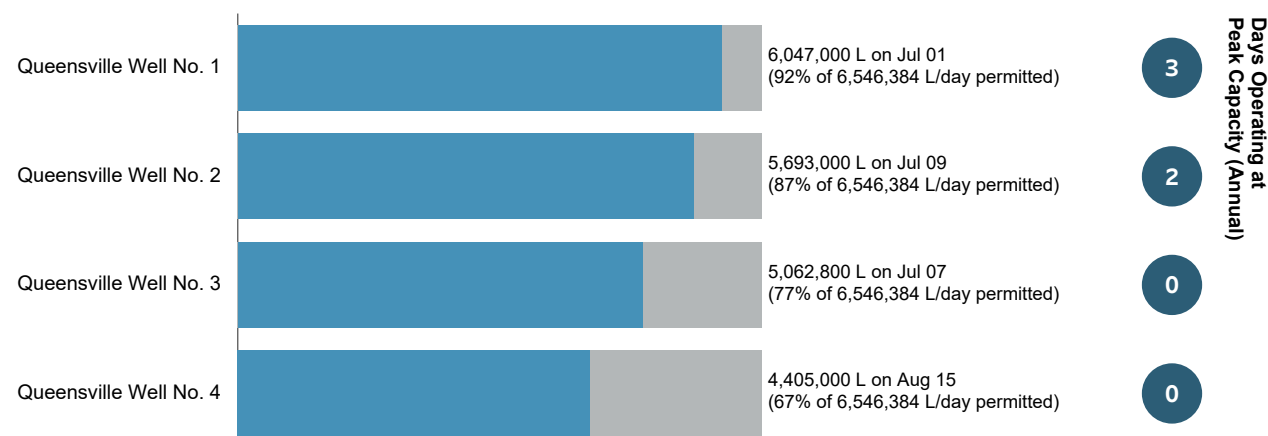
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Sharon/Queensville DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | Stouffville DWS

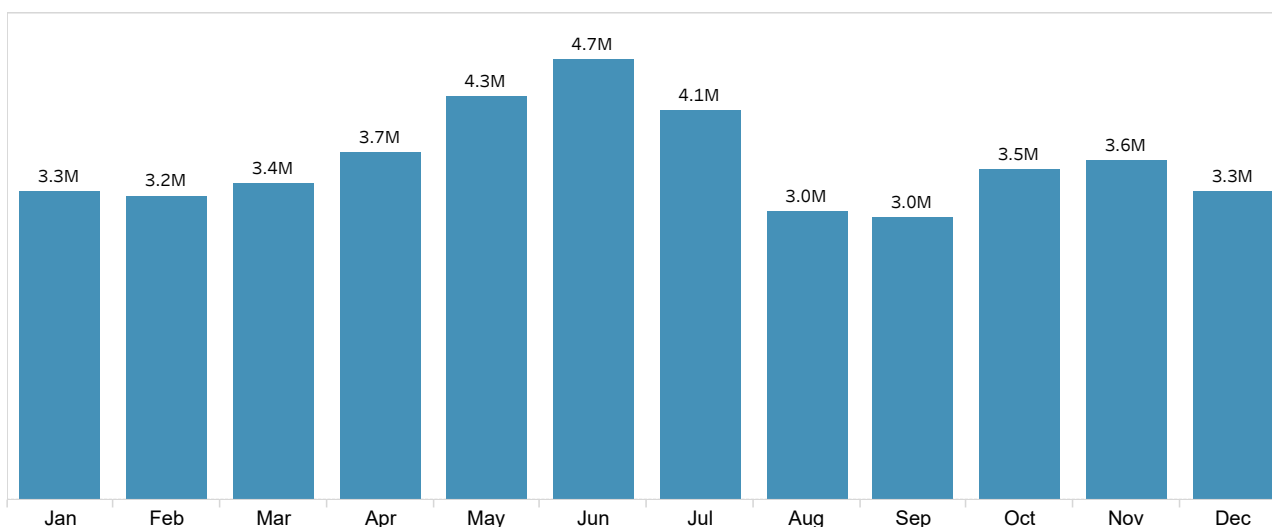
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from treatment and distribution facilities in the Stouffville DWS.

Chlorine	Fluoride	Sodium	Lead
1.52 mg/L	0.11 mg/L	47 mg/L	Not Detected (<0.0005 mg/L)

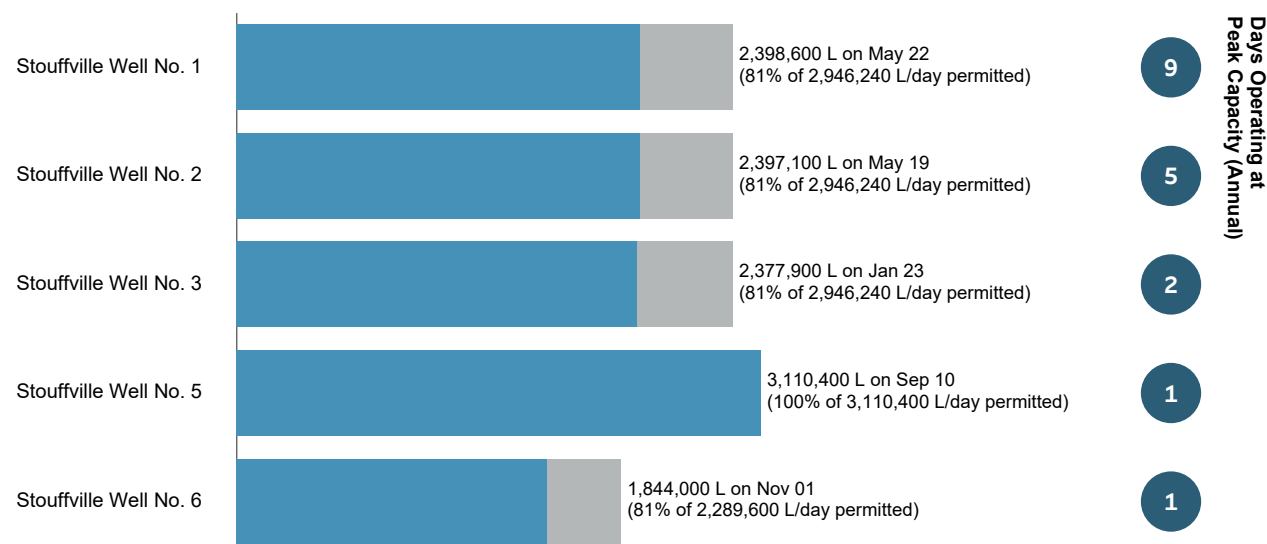
### System Monthly Average Flow

The following chart shows the average flow of water produced (treated) in litres per day (L/day) each month in the Stouffville DWS.



### Permitted and Actual Maximum Daily Withdrawal

The following chart shows the maximum volume of water withdrawn in a single day from each water supply facility (blue bar) compared to the maximum withdrawal permitted by the Ministry of the Environment, Conservation and Parks (grey bar). Also shown to the right is the number of days where the water supply facilities were operating at peak capacity (greater than 80% of the permitted withdrawal).



## 2020 Water Quality & Capacity Summary | York DWS

Vaughan | Richmond Hill | Markham

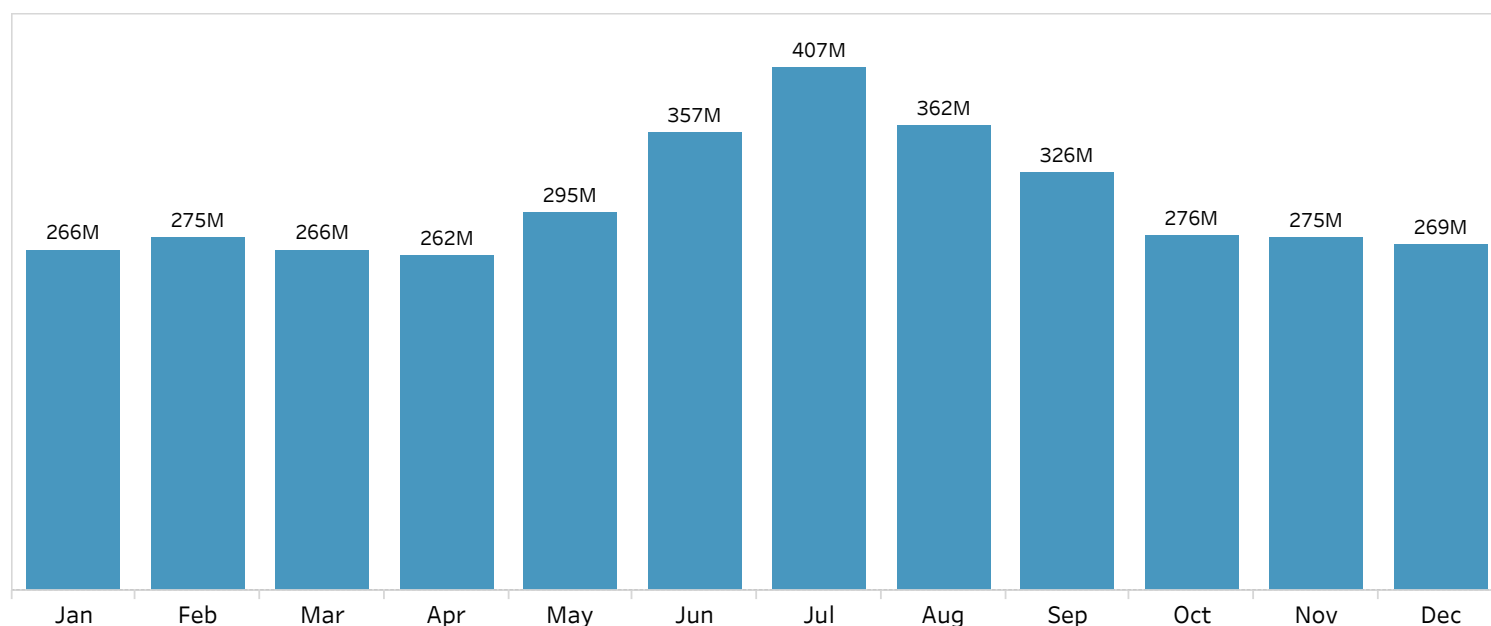
### Top Requested Water Quality Parameters

Drinking water is monitored for a wide range of chemical parameters through a combination of continuous monitoring by online analyzers and routine grab samples by operators. The following annual average concentrations in milligrams per litre (mg/L) were reported from distribution facilities in the York DWS.

Chlorine	Fluoride	Sodium	Lead
1.68 mg/L	0.59 mg/L	19 mg/L	0.0005 mg/L

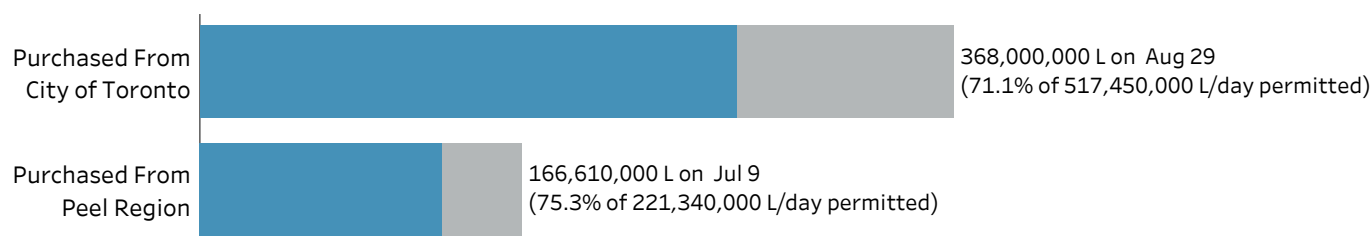
### System Monthly Average Flow

The following chart shows the monthly average consumption in million litres per day of purchased Lake Ontario water.



### Permitted and Actual Maximum Daily Flow

The City of Toronto and Peel Region supply water to York Region under water supply agreements. The following chart shows the maximum volume of water purchased from each municipality in a single day (blue bar) compared to the maximum flow permitted under the applicable water supply agreement (grey bar).



**ATTACHMENT 4**

## 2020 SUMMARY OF EXPENSES TO INSTALL, REPAIR OR REPLACE REQUIRED EQUIPMENT

This summary fulfills reporting requirement under *Ontario Regulation 170/03 – Drinking Water Systems* to summarize any major expenses incurred to install, repair or replace required equipment. Operating costs are not reflected in these totals.

Drinking Water System	Description of Monetary Expenses	Total
<b>Municipality: Aurora</b>		
Aurora Drinking Water Sub-System	New well installation, pumping station repairs, general maintenance and repairs.	\$430,857
<b>Municipality: East Gwillimbury</b>		
Holland Landing Drinking Water Sub-System	General maintenance and repairs.	\$23,457
Mount Albert Drinking Water System	Standby power generator replacement and upgrades, general maintenance and repairs.	\$605,970
Sharon-Queensville Drinking Sub-Water System	General maintenance and repairs.	\$30,408
<b>Municipality: King</b>		
Ansnoerveldt Drinking Water System	General maintenance and repairs.	\$6,450
King City Drinking Water Sub-System	Elevated tank repairs and upgrades, SCADA upgrades, general maintenance and repairs.	\$922,913
Nobleton Drinking Water System	General maintenance and repairs.	\$19,817
Schomberg Drinking Water System	General maintenance and repairs.	\$30,750
<b>Municipality: Newmarket</b>		
Newmarket Drinking Water Sub-System	Elevated tank re-coating and upgrades, general maintenance and repairs.	\$839,973

Drinking Water System	Description of Monetary Expenses	Total
<b>Municipality: Georgina</b>		
Georgina Drinking Water System	General maintenance and repairs.	\$51,502
Keswick Drinking Water Sub-System	General maintenance and repairs.	\$14,367
<b>Municipality: Whitchurch-Stouffville</b>		
Ballantrae-Musselman's Lake Drinking Water System	General maintenance and repairs.	\$25,840
Stouffville Drinking Water Sub-System	Elevated tank re-coating and upgrades, general maintenance and repairs.	\$891,957
<b>Municipality: Markham, Richmond Hill, Vaughan</b>		
Kleinburg Drinking Water Sub-System	General maintenance and repairs.	\$16,795
York Drinking Water System	Standby power generator replacement and SCADA upgrades, watermain and valve chamber rehabilitation and replacement, general maintenance and repairs.	\$8,379,232
<b>Total:</b>		<b>\$12,290,288</b>

eDOCS #12602116

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**From:** Switzer, Barbara <Barbara.Switzer@york.ca> **On Behalf Of** Regional Clerk  
**Sent:** April 26, 2021 4:50 PM  
**Subject:** Regional Council Decision - Pedestrian Crossover Policy Regional Roads

**CAUTION: This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.**

On April 22, 2021 Regional Council made the following decision:

1. Council approve the Pedestrian Crossover Policy (Attachment 1) for use on Regional roads.
2. Council authorize the enactment of a bylaw to apply pedestrian crossovers on Regional roads at those locations listed in Table 1.
3. In response to the Town of East Gwillimbury Council resolution, a pedestrian crossover be installed on Yonge Street at Holland Landing Community Centre as it satisfies the proposed policy.
4. In response to the Town of East Gwillimbury Council resolution, a pedestrian crossover not be installed on Mount Albert Road near Countryman Road as it does not satisfy the proposed policy.
5. Council delegate authority to the Commissioner of Transportation Services to implement pedestrian crossovers under the Region's jurisdiction that satisfy the proposed policy and the Regional Clerk be authorized to amend the pedestrian crossover bylaw schedule accordingly.
6. The Regional Solicitor prepare the necessary bylaws.
7. The Regional Clerk circulate this report to the Clerks of the local municipalities, York Regional Police, York Region Public Health and York Region school boards.

The original staff report is attached for your information.

Please contact Joseph Petrungaro, Director Roads and Traffic Operations, at 1-877-464-9675 ext. 75220 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Regional Clerk's Office, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
**O:** 1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# **The Regional Municipality of York**

Committee of the Whole  
Transportation Services  
April 8, 2021

Report of the Commissioner of Transportation Services

## **Pedestrian Crossover Policy Regional Roads**

### **1. Recommendations**

1. Council approve the Pedestrian Crossover Policy (Attachment 1) for use on Regional roads.
2. Council authorize the enactment of a bylaw to apply pedestrian crossovers on Regional roads at those locations listed in Table 1.
3. In response to the Town of East Gwillimbury Council resolution, a pedestrian crossover be installed on Yonge Street at Holland Landing Community Centre as it satisfies the proposed policy.
4. In response to the Town of East Gwillimbury Council resolution, a pedestrian crossover not be installed on Mount Albert Road near Countryman Road as it does not satisfy the proposed policy.
5. Council delegate authority to the Commissioner of Transportation Services to implement pedestrian crossovers under the Region's jurisdiction that satisfy the proposed policy and the Regional Clerk be authorized to amend the pedestrian crossover bylaw schedule accordingly.
6. The Regional Solicitor prepare the necessary bylaws.
7. The Regional Clerk circulate this report to the Clerks of the local municipalities, York Regional Police, York Region Public Health and York Region school boards.

### **2. Summary**

This report seeks Council approval of a new Pedestrian Crossover Policy (Policy) for use on Regional roads (Attachment 1) and responds to the Town of East Gwillimbury Council resolution to install pedestrian crossovers on Yonge Street at the Holland Landing Community Centre and on Mount Albert Road near Countryman Road.

### Key Points:

- The Province defined new Level 2 pedestrian crossovers to enhance pedestrian connectivity (per Ontario Regulation 402/15)
- A pedestrian crossover provides protected crossing opportunities and safety benefits for citizens
- Staff is proposing a new pedestrian crossover policy to provide a consistent method for determining appropriate locations and types of pedestrian crossovers to be used on the Regional road network
- Staff has identified three locations for the installation of pedestrian crossovers that currently satisfy the proposed Policy criteria
- In response to the Town of East Gwillimbury Council resolution, Yonge Street at Holland Landing Community Centre satisfies the proposed Policy and Mount Albert Road near Countryman Road does not satisfy the proposed Policy
- Multiple communications strategies will be used to educate travellers' understanding of pedestrian crossovers

## 3. Background

### **Pedestrian signals are currently the only controlled devices used to facilitate protected pedestrian crossing on Regional roads**

There are no pedestrian crossovers currently installed on Regional roads. The Region has been exclusively installing pedestrian signals to facilitate protected pedestrian mid-block crossing on Regional roads. In 2015, Council adopted the Region's [Traffic and Pedestrian Signal Policy](#), which directly references the Provincial guideline to evaluate the need for pedestrian signals based on pedestrian volume and crossing delay to satisfy installation of a traffic signal. Figure 1 shows a typical pedestrian signal installed on Regional roads.

**Figure 1**  
**Pedestrian Signal**



Mulock Drive in front of Newmarket High School, Town of Newmarket

## **The Province enacted Ontario Regulation 402/15 defining new Level 2 pedestrian crossovers to enhance pedestrian connectivity**

On January 1, 2016, Bill 31, *Transportation Statute Law Amendment Act (Making Ontario's Roads Safer)* was proclaimed by the Province and came into effect. [Ontario Regulation 402/15](#) was also enacted under the *Highway Traffic Act*.

## **The Ministry of Transportation of Ontario provides criteria for implementing pedestrian crossovers**

The Ministry of Transportation of Ontario provides criteria for implementing pedestrian crossovers in [Ontario Traffic Manual Book 15 – Pedestrian Crossing Treatments](#). The criteria provide a technically sound and consistent method of determining appropriate locations for the installation of pedestrian crossovers.

## **The Town of East Gwillimbury is requesting two pedestrian crossovers to facilitate safe pedestrian passage**

On November 17, 2020, Council of the Town of East Gwillimbury passed a resolution (Attachment 2) requesting the Region approve installation of two pedestrian crossovers to facilitate safe pedestrian passage at the following locations:

- On Yonge Street in Holland Landing to facilitate pedestrians crossing on Yonge Street to access the Holland Landing Community Centre
- On Mount Albert Road near Countryman Road for trail connectivity and for residents to access the sidewalk and park amenities

## **Pedestrian crossovers have been identified as a tool to improve pedestrian safety**

The [Pedestrian and Cyclist Safety Study](#) completed in 2019 identifies pedestrian crossovers as a tool to improve pedestrian safety at mid-block locations. Pedestrian crossovers clearly assign the right-of-way between pedestrians and motorists at otherwise uncontrolled crossings, providing pedestrians with protected crossing opportunities by requiring motorists to stop when pedestrians are present in the crosswalk. Industry studies show expected safety benefits of approximately 30% reduction in overall collisions and 70% in pedestrian collisions.

## **The *Municipal Act, 2001* permits delegation of certain powers and duties of Council, subject to conditions**

Section 23.1 of the *Municipal Act, 2001* permits municipalities to delegate their powers and duties subject to certain restrictions, depending on the nature and scope of the delegation. A delegation may be made to members of Council, committees, individuals appointed by Council or staff and may be subject to conditions that Council considers appropriate. In 2018, under this provision, Council delegated authority to the Commissioner of Transportation Services to implement All-Way Stop Control at intersections under the Region's jurisdiction

where warranted or where required to improve traffic operations and traveller safety, thereby eliminating the need for Council approval in each case. Council has since delegated authority to the Commissioner to implement and remove right turn on red restrictions and U-turn restrictions, as appropriate. In each case, the Regional Clerk was authorized to amend the schedule to the respective bylaws to maintain an official record of the Commissioner's decisions.

## 4. Analysis

### **Level 2 pedestrian crossovers include enhanced features to provide protected crossing opportunities and safety benefits for citizens**

Traditional pedestrian signals are the best option on high speed, high traffic volume roads. Pedestrian crossovers are ideal for locations where some pedestrian demand exists but is not high enough to warrant traditional pedestrian signal installations. Pedestrian crossovers provide protected crossing opportunities and safety benefits and cost significantly less to install and maintain. All drivers and cyclists are legally required to stop to allow pedestrians to completely cross at a pedestrian crossover like a pedestrian signal. However, they are intended for use on low traffic volume, low speed, single- or multi-lane roadways (maximum four lanes). Attachment 3 lists the Provincial pedestrian crossover criteria and other considerations. Attachment 4 compares the pedestrian crossover criteria to a pedestrian signal.

The original Level 1 pedestrian crossover introduced by the Province is still applicable and currently in operation in some municipalities. Many municipalities are retrofitting or installing Level 2 pedestrian crossovers because of the new enhanced features that include pedestrian crossover signs, roadway pavement markings and may include rectangular rapid flashing beacons activated by pedestrian push buttons. These features will help increase awareness and compliance.

### **There are four types of pedestrian crossovers widely used across the province and in local municipalities within the Region**

The *Highway Traffic Act* Regulation 402/15 includes four types of pedestrian crossovers with a range of requirements for signs, pavement markings and may include overhead signs and rectangular rapid flashing beacons. All four types of pedestrian crossovers are widely used across the province and in local area municipalities:

- Level 1, Type A (Attachment 5), also known as the first edition pedestrian crossover, consists of an old-style overhead 'X' sign with flashing amber beacons and 'X' pavement markings. Motorists sometimes perceive it to be a warning device.
- Level 2, Type B (Attachment 6), consists of rectangular extremely bright rapid flashing beacons, overhead and side-mounted new regulatory signs depicting a person walking, advance warning signs and enhanced pavement markings. Level 2, Type B pedestrian crossovers provide the highest level of awareness and are typically installed on low volume arterial or high-volume collector roads with speed limits up to 60 km/h and maximum of four lanes.
- Level 2, Type C (Attachment 7), consists of rectangular extremely bright rapid flashing beacons and side-mounted new regulatory signs depicting a person walking, advance warning signs and enhanced pavement markings but no overhead sign. Level 2, Type C pedestrian crossovers provide a medium level of motorist warning and are typically installed on lower volume collector roads or lower volume multi-lane roundabouts.
- Level 2, Type D (Attachment 8), consists of side-mounted new regulatory signs depicting a person walking, enhanced pavement markings and an advance pedestrian crossing warning sign. Level 2, Type D pedestrian crossovers provide a low level of motorist warning and are typically installed on local roads, single lane roundabouts or channelized right turn lanes.

Based on Regional road characteristics and traffic volume levels, Level 2, Type B pedestrian crossovers are the preferred type for most applications on Regional roads. This type of pedestrian crossover consists of overhead signs, enhanced pedestrian pavement markings, regulatory signs, and actuated double-sided rectangular rapid flashing beacons with pedestrian push buttons.

### **Staff has undertaken a peer review, research and analysis to determine pedestrian crossover applicability on Regional roads**

Staff has conducted surveys and research among peer municipalities across the Province and consulted with local municipal partners on their pedestrian crossover use. Many responses indicate pedestrian crossovers are valued in their community as they provide pedestrian safety benefits at otherwise uncontrolled crossing locations. All peer and local municipalities who have installed pedestrian crossovers are using provincial criteria when determining eligible locations.

The proposed Policy mirrors provincial criteria and will provide staff a consistent method of determining appropriate locations and types of pedestrian crossovers for installation within the Regional road network. Staff has undertaken a comprehensive network screening of all Regional roads to determine applicability of pedestrian crossovers using the proposed Policy criteria, which considers pedestrian and traffic volumes, crossing distance (maximum four lanes) and a speed limit of 60 km/hr or less.

### Three locations currently satisfy the proposed Policy for installation of a pedestrian crossover

Based on the proposed Policy and the assessment results outlined in Attachment 9, staff has determined three locations (Table 1) that currently satisfy criteria for installation of a pedestrian crossover.

**Table 1**  
**Proposed Pedestrian Crossover Locations**

Location	Municipality	Installation Year
Yonge Street at Holland Landing Community Centre	Town of East Gwillimbury	2021
Ninth Line at Elm Street	Town of Whitchurch-Stouffville	2022
Baseline Road, approximately 640 metres west of Dalton Road	Town of Georgina	2022

### A Town of East Gwillimbury Council resolution requests installation of pedestrian crossovers on Mount Albert Road near Countryman Road and Yonge Street at Holland Landing Community Centre

Based on staff's comprehensive review of all Regional roads, Yonge Street at Holland Landing Community Centre satisfies the proposed Policy. Staff proposes to install the Region's first pedestrian crossover at this location, illustrated in Figure 2.

**Figure 2**  
**Yonge Street adjacent to Holland Landing Community Centre**  
**in the Town of East Gwillimbury**



Pedestrian volumes on Mount Albert Road near Countryman Road are not sufficient to currently satisfy proposed Policy criteria as the community is still being developed. Should Council decide to advance installation of this unwarranted pedestrian crossover, no significant impact to commuter traffic is expected. Traffic is not required to stop unless a pedestrian is present.

### **Various communication strategies will be used to educate travellers about pedestrian crossovers**

A range of communication tactics will be used to educate and inform travellers about the installation of pedestrian crossovers, including:

- On-street signs
- Newsletter
- Media alerts
- Social media
- Website (york.ca) content

Recognizing travellers may not be familiar with pedestrian crossovers, communication strategies will emphasize increasing public awareness of pedestrian crossovers, providing safety tips for pedestrians on how to navigate through a pedestrian crossover safely and educating drivers on the rules and legislative requirements of pedestrian crossovers and associated penalties for endangering pedestrians.

## **5. Financial**

Pedestrian crossover installation costs are funded through the Transportation Services Capital Budget. A pedestrian crossover costs between \$30,000 to \$65,000 to install.

## **6. Local Impact**

Staff continues to collaborate with municipal partners to determine opportunities for pedestrian crossovers on Regional roads. Municipal partners using pedestrian crossovers report they are well-liked within the community and that education is important to increase pedestrian protection.

Local municipal staff has been consulted on the proposed Policy and have indicated their support. Local municipal staff support the recommended pedestrian crossovers in Table 1.

## 7. Conclusion

Staff recommends Council approve the proposed Pedestrian Crossover Policy to assist staff in determining appropriate locations to install pedestrian crossovers. Pedestrian crossovers provide protected crossing opportunities and numerous safety benefits. Pedestrian crossovers are intended for locations where some pedestrian demand exists, but the demand does not justify installation of traditional traffic and pedestrian signals.

Town of East Gwillimbury Council has requested the Region approve installation of a pedestrian crossover on Yonge Street at the Holland Landing Community Centre and on Mount Albert Road near Countryman Road to facilitate safe pedestrian passage. In response, staff has applied the proposed Policy to all Regional roads and determined three locations across the Regional road network satisfy the criteria for installation of a pedestrian crossover, including Yonge Street adjacent to Holland Landing Community Centre. Mount Albert Road near Countryman Road does not currently satisfy the criteria for installation of a pedestrian crossover.

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For more information on this report, please contact Joseph Petrungaro, Director Roads and Traffic Operations, at 1-877-464-9675 ext. 75220. Accessible formats or communication supports are available upon request.

Recommended by:



**Paul Jankowski**  
Commissioner of Transportation Services

Approved for Submission:



**Bruce Macgregor**  
Chief Administrative Officer

March 19, 2021  
Attachments (9)  
12147527



## Pedestrian Crossover Policy

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Approved By: Council or Chief Administrative Officer

Approved On: Date this version of the policy was approved

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### Policy Statement

A policy for the installation of pedestrian crossovers on the Regional road network.

### Application

This policy will be used by staff in determining acceptable locations for the installation of pedestrian crossovers on the Regional road network.

### Purpose

The intent of this policy is to provide a consistent method of determining appropriate locations and types of pedestrian crossovers on the Regional road network.

### Definitions:

**Pedestrian Crossover:** Any portion of a roadway distinctly indicated for pedestrian crossing by signs on the highway and lines or other markings on the surface of the roadway, as prescribed and illustrated in Ontario Regulation 402/15.

**Pedestrian Crossover Criteria:** The set of criteria used under this policy to determine the relative need for and appropriateness of pedestrian crossovers on Regional roads.

**Local Municipality:** Municipalities located within York Region: Town of Aurora, Town of East Gwillimbury, Town of Georgina, Township of King, City of Markham, Town of Newmarket, City of Richmond Hill, City of Vaughan and Town of Whitchurch-Stouffville.

## Description

On January 1, 2016, the Ministry of Transportation Ontario passed the final reading of *Bill 31 – Transportation Statute Law Amendment Act (Making Ontario's Roads Safer)* and issued a new regulation (402/15) under the *Highway Traffic Act*. Under section 140 of the *Highway Traffic Act*, drivers, including cyclists, approaching a pedestrian crossover are required to stop when a pedestrian is crossing the roadway within the crossover.

A pedestrian crossover is an alternative traffic control device to provide protected crossing opportunities and safety benefits. Pedestrian crossovers are ideal for locations where some pedestrian demand exists, but the demand is not high enough to warrant traditional pedestrian signal installations.

Pedestrian crossovers are intended for use on low traffic volume, low speed, single or multi-lane roadways (up to a maximum of four lanes).

### Criteria for Installation of Pedestrian Crossovers

Requests to install a pedestrian crossover on Regional Roads will be assessed using the Ministry of Transportation Ontario's pedestrian crossover criteria, including the related considerations in Ontario Traffic Manual Book 15 – Pedestrian Crossing Treatments, as amended from time to time. These criteria provide a consistent method of determining appropriate locations for the installation of pedestrian crossovers.

Where the Region determines the Pedestrian Crossover Criteria are satisfied, the Region will be responsible for the installation, operation and maintenance costs of pedestrian crossovers on Regional roads.

## Responsibilities

### Commissioner of Transportation Services

- Delegated authority to approve requests to install pedestrian crossovers under the Region's jurisdiction that satisfy the installation criteria as set out in this policy
- Report to Council on requests for pedestrian crossovers from local municipalities that do not meet the installation criteria as set out in this policy

### Transportation Services Department

- Assess the need for the installation of pedestrian crossovers on the Regional road network based on the Pedestrian Crossover Criteria, as found in the Ontario Traffic Manual Book 15

## Pedestrian Crossover Policy

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- Consult with local municipal staff in the assessment of requests for the installation of pedestrian crossovers

## Reference

### Legislative and other authorities

- [Ontario Regulation 402/15](#)
- [Ontario Traffic Manual Book 15](#)

## Contact

Director, Roads and Traffic Operations, Transportation Services Department, ext. 75220

## Approval

Council Date: <input type="text"/>	Committee Date: <input type="text"/>
Council Minute Item: <input type="text"/>	Committee Minute Item: <input type="text"/>

#12397932

Accessible formats or communication supports are available upon request



Town of  
**East Gwillimbury**

**Fernando Lamanna, B.A., Dipl. M. M., CMO**

Municipal Clerk  
Legal & Council Support Services  
Tel: 905-478-3821 Fax: 905-478-2808  
flamanna@eastgwillimbury.ca

November 20, 2020

Chris Raynor, Regional Clerk  
Regional Municipality of York  
17250 Yonge Street  
Newmarket, ON  
L3Y 6Z1

**[SENT VIA EMAIL]**

Dear C. Raynor:

**RE: Pedestrian Crossover Installations: Yonge Street at Holland Landing  
Community Centre and Mount Albert Road at Countryman Road**

For your information and records, at its electronic meeting held on November 17, 2020 the Council of the Town of East Gwillimbury enacted as follows:

*BE IT RESOLVED THAT Community Infrastructure & Environmental Services Report CIES2020-21, dated November 17, 2020, regarding the "Pedestrian Crossover Installations: Yonge Street at Holland Landing Community Centre and Mount Albert Road at Countryman Road", be received; and*

*THAT Council support the design and installation of a warranted pedestrian crossover on Yonge Street at the Holland Landing Community Centre as included in the Region's proposed 2021 draft budget; and*

*THAT Council request the Region of York to approve and advance the installation of an unwarranted pedestrian crossover on Mount Albert Road at Countryman Road in 2021 based on full funding from the Sharon Village Land Owners Group.*

If you have any further questions feel free to contact the undersigned.

Yours truly,

Fernando Lamanna, B.A., Dipl. M. M., CMO  
Municipal Clerk

Enclosed: Report CIES2020-21: Pedestrian Crossover Installations: Yonge Street at  
Holland Landing Community Centre and Mount Albert Road at Countryman Road

cc: Mike Molinari, General Manager of Community Infrastructure & Environmental Services

*"Our town, Our future"*

19000 Leslie Street, Sharon, Ontario L0G 1V0 Tel: 905-478-4282 Fax: 905-478-2808  
www.eastgwillimbury.ca

12592970



## Town of East Gwillimbury

### COMMUNITY INFRASTRUCTURE & ENVIRONMENTAL SERVICES REPORT CIES2020-21

To: Council

Date: November 17, 2020

Subject: Pedestrian Crossover Installations: Yonge Street at Holland Landing Community Centre and Mount Albert Road at Countryman Road

Origin: Community Infrastructure & Environmental Services  
Capital Programs and Traffic Engineering Branch and Development Engineering Branch

---

### RECOMMENDATIONS

1. **THAT** Community Infrastructure & Environmental Services Report CIES-2020-21, dated November 17, 2020, regarding the “Pedestrian Crossover Installations: Yonge Street at Holland Landing Community Centre and Mount Albert Road at Countryman Road” be received; and
2. **THAT** Council support the design and installation of a warranted pedestrian crossover on Yonge Street at the Holland Landing Community Centre as included in the Region’s proposed 2021 draft budget; and
3. **THAT** Council request the Region of York to approve and advance the installation of an unwarranted pedestrian crossover on Mount Albert Road at Countryman Road in 2021 based on full funding from the Sharon Village Land Owners Group.

### PURPOSE

The purpose of this report is to formally request Regional support and approval for the installation of pedestrian crossovers on Regional roads at two locations within the Town. See Appendix 1 attached.

## **BACKGROUND**

Staff are seeking Council support to request Regional approval for the construction of two pedestrian crossovers, one on Yonge Street in Holland Landing to facilitate pedestrians crossing Yonge Street to access the Holland Landing Community Centre and the other on Mount Albert Road in the vicinity of Countryman Road for trail connectivity and for residents living on the north side of Mount Albert road to cross Mount Albert Road to access amenities and the pedestrian network on the south side of Mount Albert Road.

Pedestrians crossing Yonge Street in the vicinity of the Holland Landing Community Centre has been the subject of a number of resident and Councilor inquiries. The area has seen an increase in activity, specifically since the onset of COVID-19, where adults and children alike are crossing Yonge Street to use the outdoor amenities that the area has to offer. The main concerns from the inquiries relate to residents feeling unsafe as they attempt to cross Yonge Street being a regional road and the main thoroughfare through Holland Landing.

In addition to the crossing on Yonge Street, a pedestrian crossover is being sought on Mount Albert Road in the vicinity of Countryman Road. The Sharon Village development is made up of 7 developments, 6 located along Murrell Boulevard from Manor Hampton Street to Mount Albert Road and 1 north of Mount Albert Road accessed via Countryman Road.

Pedestrians travelling from the Wycliffe Thornridge development via Countryman Road are required to cross Mount Albert Road to access the sidewalk, trail network and park amenities south of Mount Albert Road. Providing a pedestrian crossover at this location would facilitate safe crossing of Mount Albert Road for area residents and support the trail.

## **ANALYSIS**

Council and staff have received significant community feedback with respect to pedestrian safety while crossing Yonge Street at the Holland Landing Community Centre as well as Mount Albert Road at Countryman Road in Sharon. In response to these community concerns, staff have met with Regional staff to discuss opportunities for improved pedestrian safety.

### **Proposed Pedestrian Crossover- Yonge St. at the Holland Landing Community Centre**

Discussions with the Region on the Yonge Street location have been positive. Staff have communicated the inquiries the Town has received as they occur and have also highlighted the increase in pedestrian volume using the sidewalks in the area. Further to this, CPRC is designing and building a Pedestrian Bridge system connecting Holland Landing at Doane Road with Oriole Drive, further increasing pedestrian activity as the Holland Landing Community Centre is a major destination for area residents.

The Region has advised that, subject to budget approval, they are planning to fund and install a Level 2 Type B pedestrian crossover (See Appendix 2) at this location as part of their 2021 capital works program. The type of crossover the Region deems to be most appropriate and minor refinements to the location will be completed through the Region's design process. As this crossing is being installed as a warranted pedestrian crossover, the Region would fund the project in its entirety but are looking for support from Town Council to proceed with the work.

### **Proposed Pedestrian Crossing- Mount Albert Road at Countryman Road**

Discussions with the Region regarding installation of a pedestrian crossing on Mount Albert Road in the vicinity of Countryman Road were generally positive however as this area is still subject to significant future development, determining the best crossing solution for the long term is a challenge. The specific type of pedestrian crossover to be installed at this location is yet to be determined and is subject to further evaluation by York Region. Appendix 3 details two potential crossover types with the ultimate solution to be dictated by site conditions as part of the Region's review and approval process.

The Region has advised that the preferred location for the future pedestrian crossing is approximately 50 meters west of the Countryman Road intersection as shown on Appendix 1 attached. Proposed works include the installation of the pedestrian crossover as well as a multi-use path extending 50m west of Countryman Road on the north side of Mount Albert Road connecting to the pedestrian crossover location. In discussion with CPRC, this location aligns well with both the sidewalk and trail connection on the south side of Mount Albert Road and is considered to be the most future-proof location as it facilitates adequate spacing between future traffic signals anticipated on Mount Albert Road at the Revera retirement community entrance and Murrell Boulevard.

Construction of the pedestrian crossover on Mount Albert Road is the responsibility of the Sharon Village Landowners Group (SVLG) in accordance with previous

development agreements and a commitment from the SVLG to provide safe passage for pedestrians across Mount Albert Road.

As the design warrants for the pedestrian crossing have not been met, the Region requires a formal request from the Town to have the crossing installed as well as funding to install the crossing along with a one-time 10 year maintenance fee in accordance with the Region's Traffic and Pedestrian Signal Policy. This maintenance fee is estimated at \$78,000 and is proposed to be included as part of the overall construction costs associated with the project with full funding by the SVLG.

Upon approval from York Region, Town staff will work with the SVLG in conjunction with York Region to finalize the pedestrian crossover design including type and facilitate construction of the pedestrian crossover on Mount Albert Road.

### **Next Steps**

Subject to approval of this report, the final layout and treatment at both crossing locations will be determined by the Region through the design process. Subject to approval by Regional Council, both pedestrian crossings will be constructed and will be owned and operated by York Region.

### **FINANCIAL IMPLICATIONS**

As the construction costs and maintenance fees associated with both crossing locations are proposed to be borne by others there are no financial implications to the Town associated with these projects.

The cost of the warranted Level 2 Type B pedestrian crossover on Yonge Street at the Holland Landing Community Centre is estimated at \$100,000 and funded by the Region.

The cost of the pedestrian crossover on Mount Albert Road at Countryman Road is estimated at \$200,000 to be funded by the SVLG. This estimate includes the additional trail extension and the mandatory 10-year maintenance costs as per the Region's policy as a result of being technically unwarranted.

### **NEED FOR PUBLIC CONSULTATION**

Subject to approval of this report, notice for two pedestrian crossover projects will be provided to residents via an information page on the Town website, Council Highlights, social media, Notice Board on the Town's web page and East Gwillimbury Express Town page.

## ALIGNMENT TO STRATEGIC PLAN

The recommendations of this report align with the following Strategic Priorities:



**Responsible Growth & Environmental Protection**

Ensure that communities are built in a respectful manner, with resident and business quality of life protected



**Build Complete Communities**

Effectively manage new and existing assets to deliver exceptional services to residents while ensuring a sustainable community

## CONCLUSION

Construction of the pedestrian crossovers on Yonge Street in Holland Landing and on Mount Albert Road in Sharon would provide enhanced pedestrian safety while crossing busy Regional roads as well as provide improved network connectivity. To facilitate construction of these pedestrian crossovers, specific Regional approval is required.

Staff ask that Council request Regional support to proceed with design and ultimate construction of pedestrian crossovers at the noted locations.

## APPENDICES

Appendix 1 - Location Map

Appendix 2 - Proposed Level 2 Type B Crossover – Yonge Street Location

Appendix 3 - Potential Crossover Types – Mount Albert Road Location

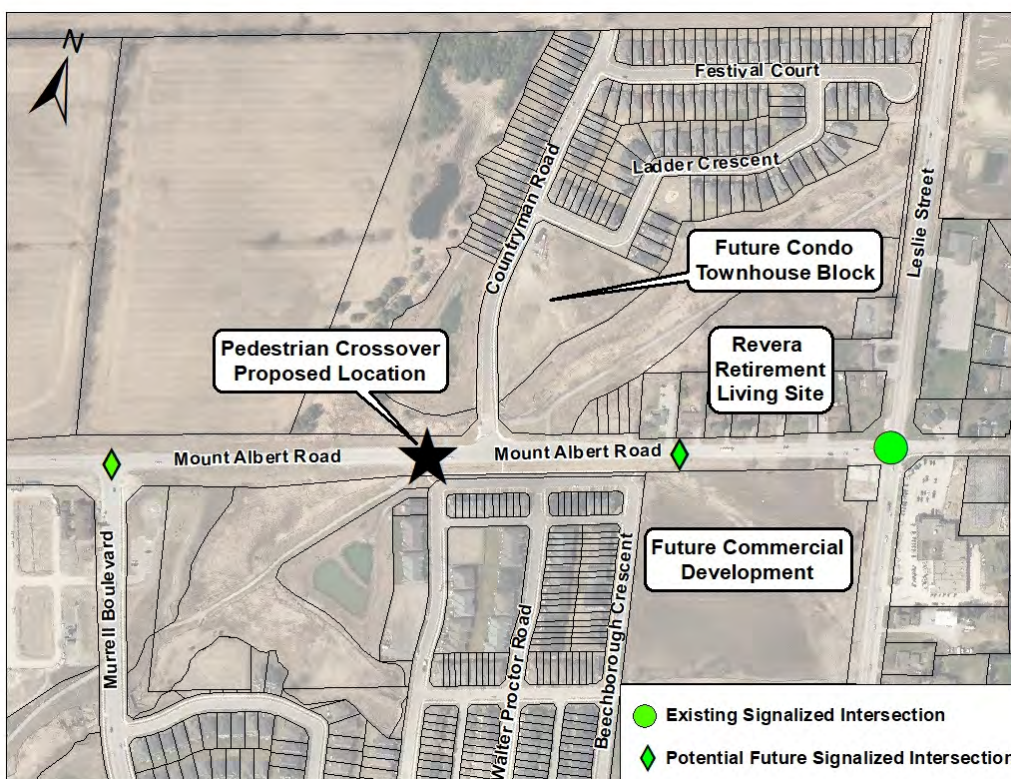
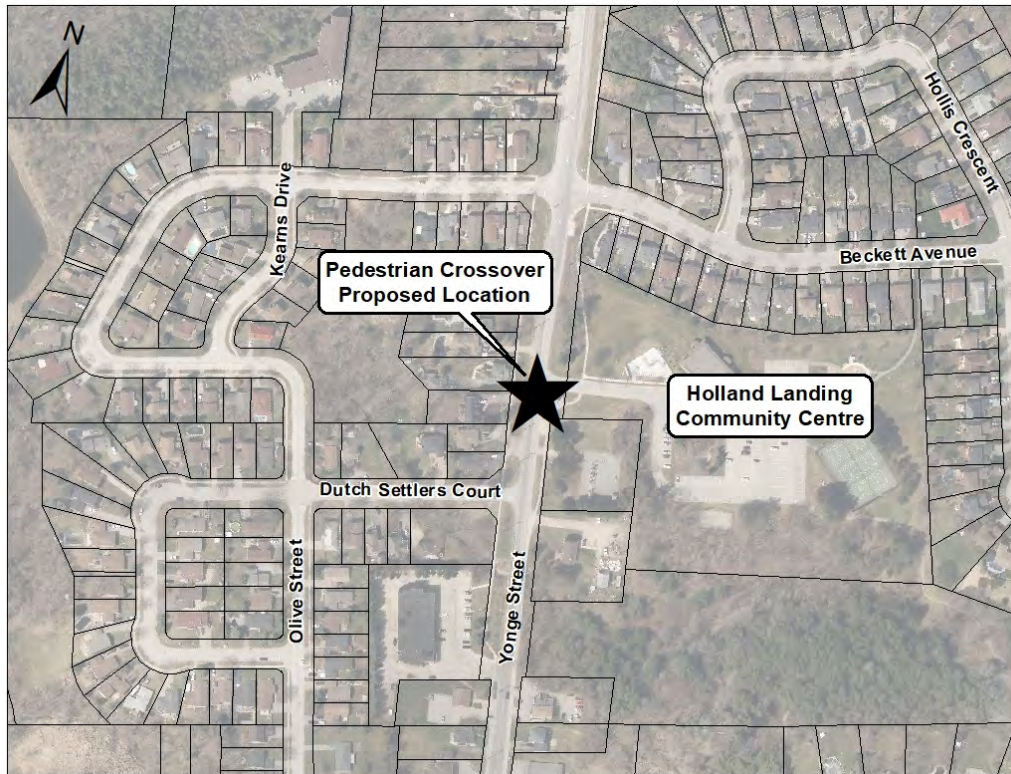
Appendix 4 - Mount Albert Road Layout Options

CIES Report CIES2020-21  
 Pedestrian Crossover Installations: Yonge St. in Holland Landing,  
 Mount Albert Road at Countryman Road in Sharon  
 November 17, 2020  
 Page 6 of 10

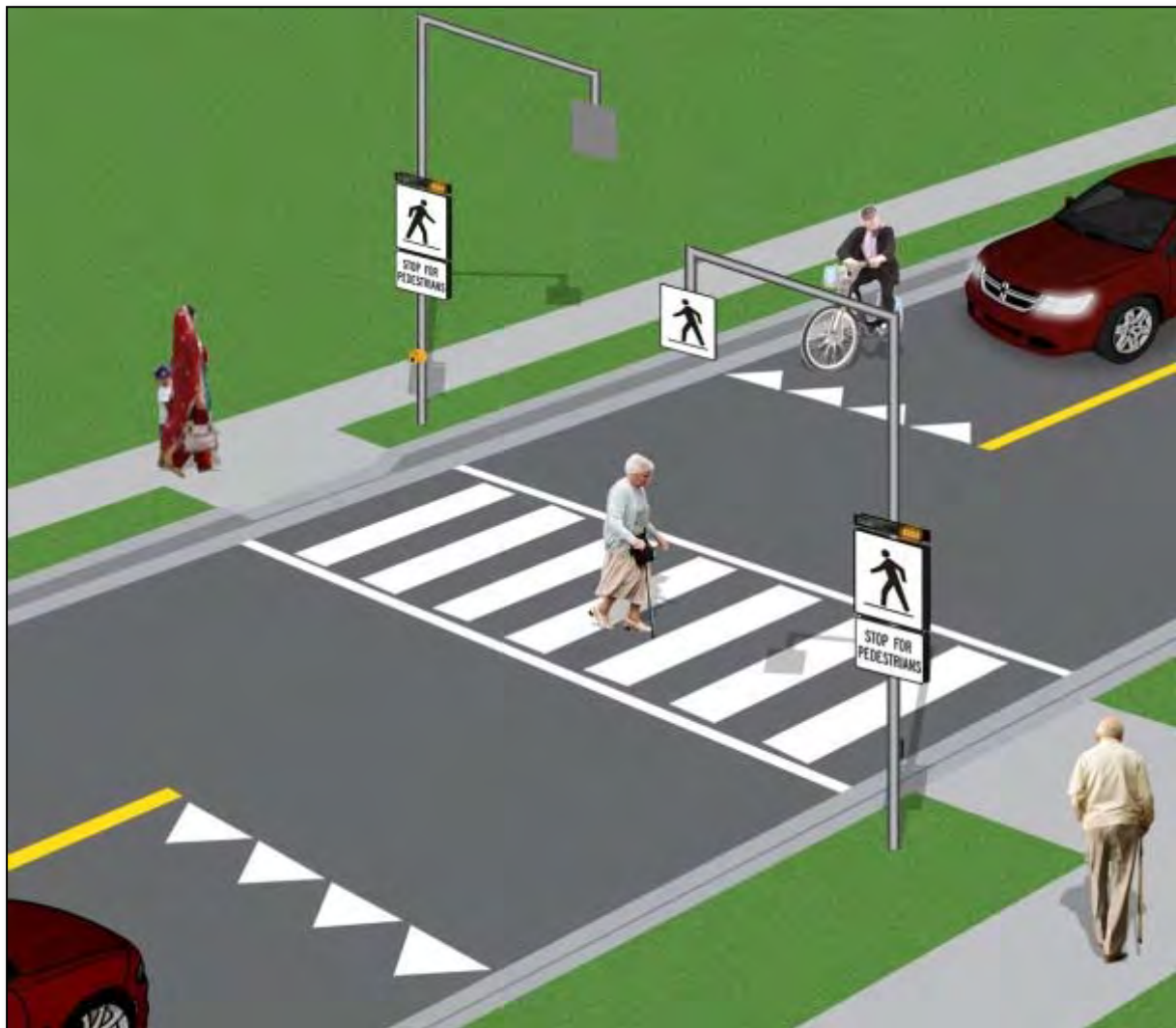
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<div>Prepared by:</div> <div style="text-align: center; padding: 10px;"><i>Original Signed By</i></div> <div>Kevin Brake, C.Tech. Development Manager</div>	<div>Prepared by:</div> <div style="text-align: center; padding: 10px;"><i>Original Signed By</i></div> <div>Denny Boskovski, C.E.T. Asset Management &amp; Capital Projects Manager</div>
<div>Reviewed and Recommended by:</div> <div style="text-align: center; padding: 10px;"><i>Original Signed By</i></div> <div>Paul Neuman, C.E.T. Director of Engineering, CIES</div>	<div>Reviewed and Recommended by:</div> <div style="text-align: center; padding: 10px;"><i>Original Signed By</i></div> <div>Mike Molinari, P. Eng., General Manager, CIES</div>
<div>Approved for Submission by:</div> <div style="text-align: center; padding: 10px;"><i>Original Signed By</i></div> <div>Thomas R. Webster Chief Administrative Officer</div>	<div style="height: 100px;"></div>

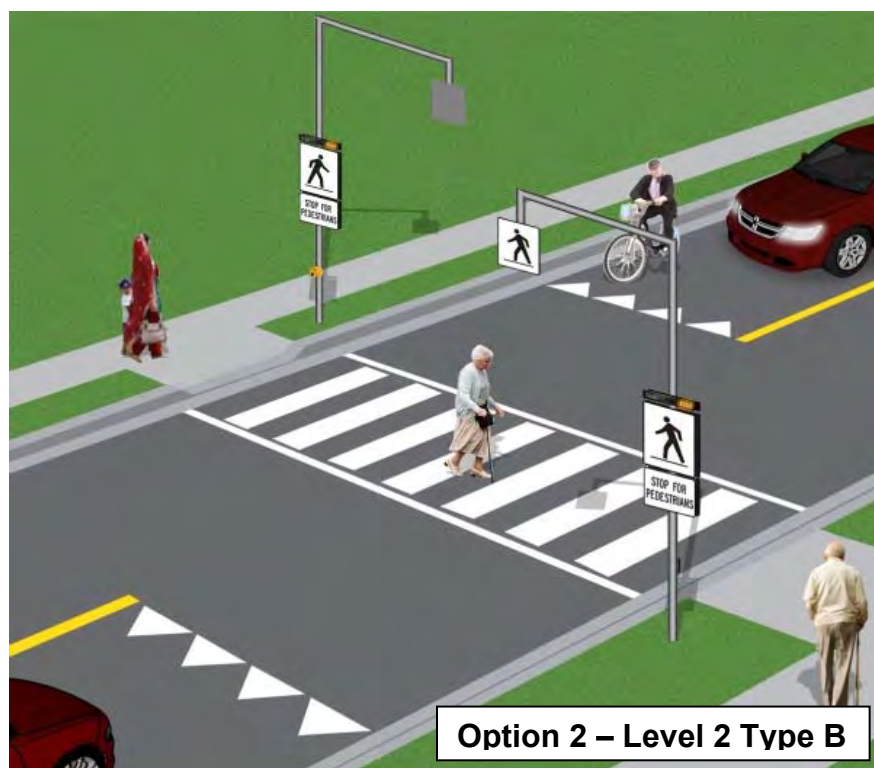
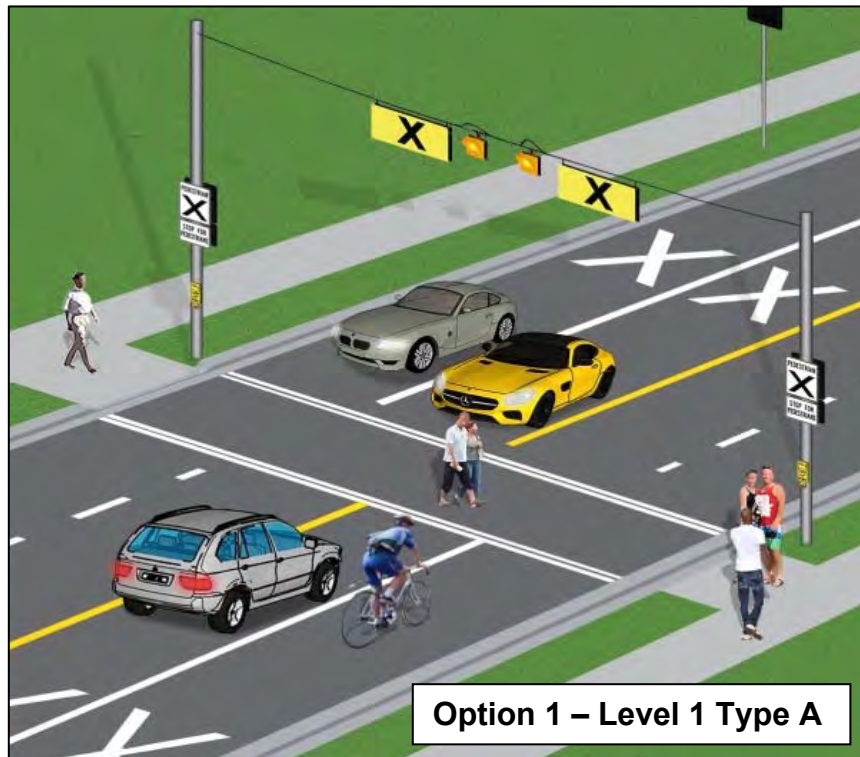
## Appendix 1 – Location Map



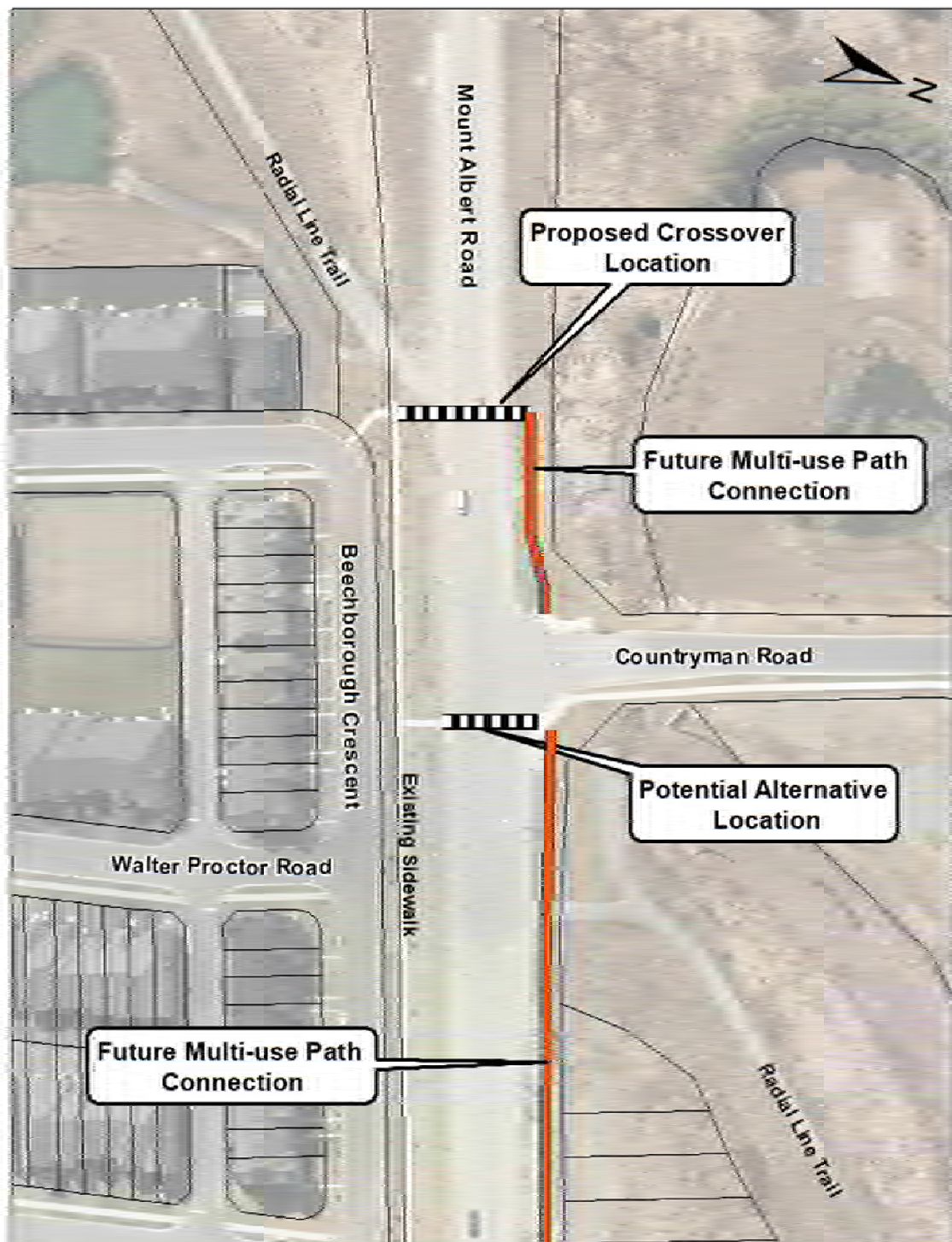
## Appendix 2 – Proposed Level 2 Type B Crossover – Yonge Street Location



### Appendix 3 - Potential Crossover Types – Mount Albert Road Location



#### Appendix 4 – Mount Albert Road Layout Options



**ATTACHMENT 3****Provincial Pedestrian Crossover Criteria**

The Ministry of Transportation of Ontario's pedestrian crossover criteria (Ontario Traffic Manual Book 15) outlines several conditions that must be fulfilled for a pedestrian crossover to be implemented. The provincial criteria are to be directly referenced to determine when and where it is appropriate to install a pedestrian crossover on Regional roads.

The following conditions must be fulfilled for a pedestrian crossover to be implemented:

- 100 or more pedestrians or equivalent adults and 750 or more vehicular volume observed crossing over an eight-hour period
- 65 or more pedestrians or equivalent adults and 395 or more vehicular volume observed crossing over a four-hour period
- Maximum vehicular volume of 35,000 daily
- Posted speed limit of 60 km/h or less
- Maximum four lanes, two-way traffic or three lanes, one-way traffic

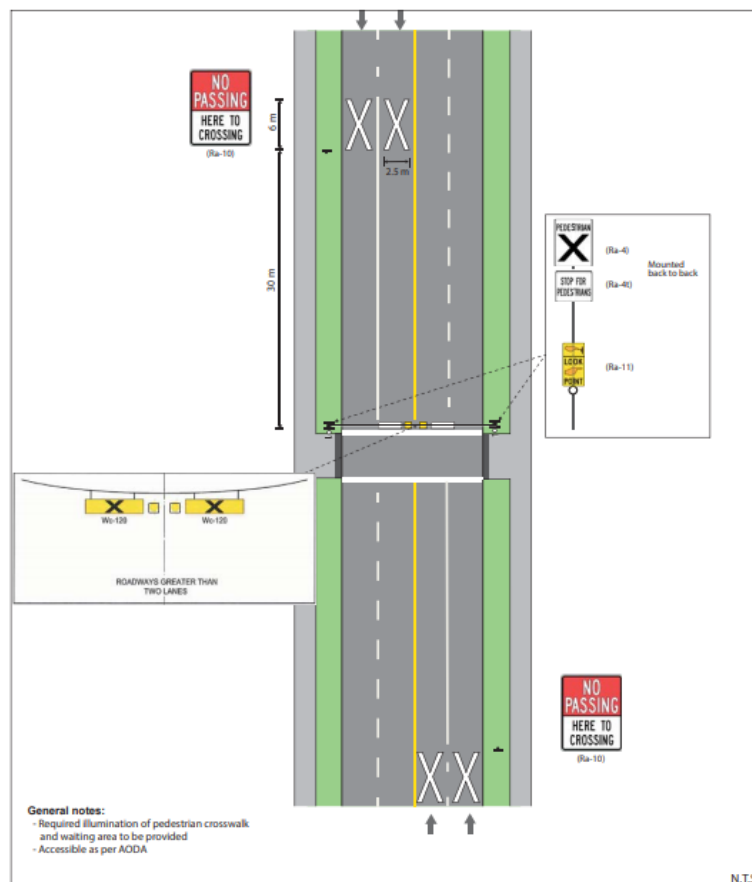
Other Considerations:

- Pedestrian desire lines and pedestrian facilities on both sides of the road that are maintained in the winter
- No other controlled crossing within 200 metres of the subject location or the subject location is a roundabout or has a right turn channel
- Appropriate sight distance for all travellers
- Adequate illumination is provided at the crossing location matching provincial standards for such treatments
- Accessibility for Ontarians with Disabilities Act (AODA) compliant curb cut and sidewalk depressions at the crossing

**ATTACHMENT 4**

**Table 1**  
**Comparison of Pedestrian Signal and Pedestrian Crossover Criteria**

Criteria	Pedestrian Signal	Pedestrian Crossover
Pedestrian volumes	Minimum 200 equivalent pedestrians in eight peak hours	Minimum 100 equivalent pedestrians in eight peak hours or 65 equivalent pedestrians in four peak hours
Traffic volumes	Applicable on all Regional roads	More than 750 vehicles in eight peak hours or 395 vehicles in four peak hours, but  Less than 15,000 daily vehicles on any four-lane road with a posted speed of 60 km/h or lower or any three-lane road with a posted speed of 60 km/h or lower  Less than 35,000 daily vehicles on any three-lane road with a posted speed of 50 km/h or lower or any two-lane road with posted speed of 60 km/h or lower
Pedestrian crossing delay	10 seconds or more	Not considered
Speed limit	80 km/h or lower	60 km/h or lower
Crossing distance width	Applicable on all Regional roads	Maximum four lanes, two-way traffic or three lanes, one-way traffic
Sight Distance	Appropriate	Appropriate
Illumination	Adequate	Adequate
Accessibility for Ontarians with Disabilities Act (AODA)	In compliance	In compliance
Adjacent Controlled Crossing Spacing	200 metres	200 metres
Cost	\$200,000	\$30,000 to \$65,000

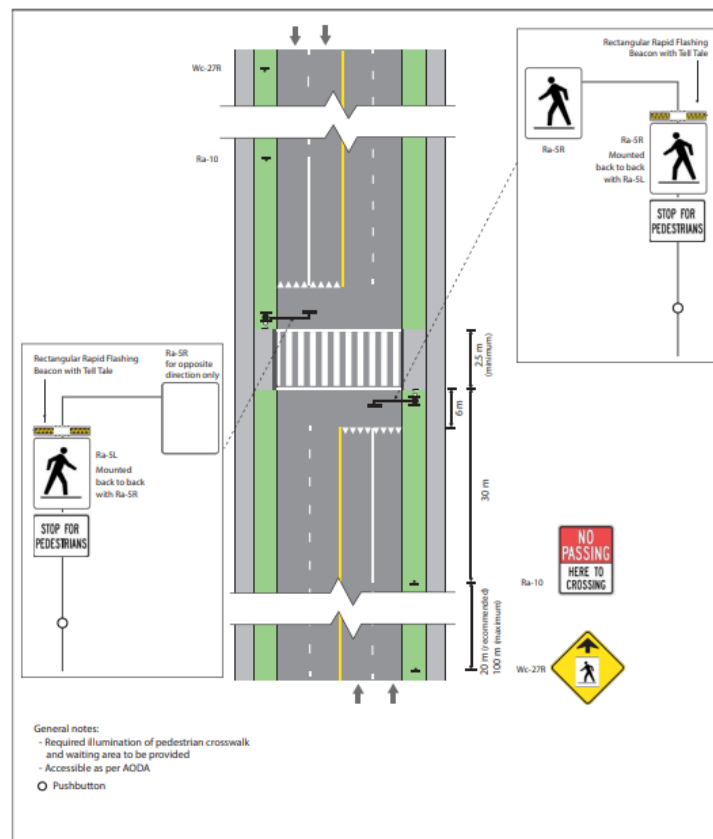
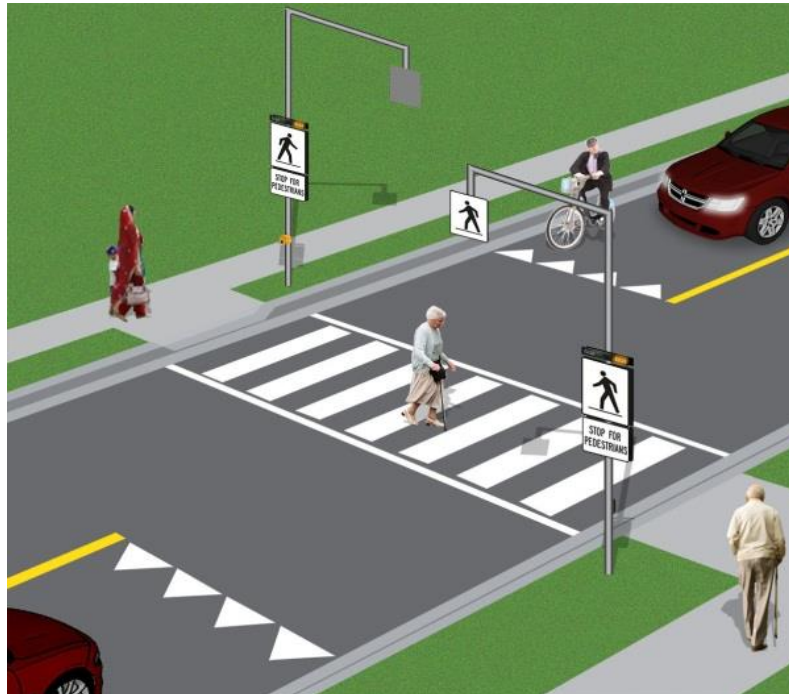




Orchard Heights Boulevard west of Yonge Street, Town of Aurora

**ATTACHMENT 6**

**Figure 1**  
**Level 2, Type B Pedestrian Crossover**

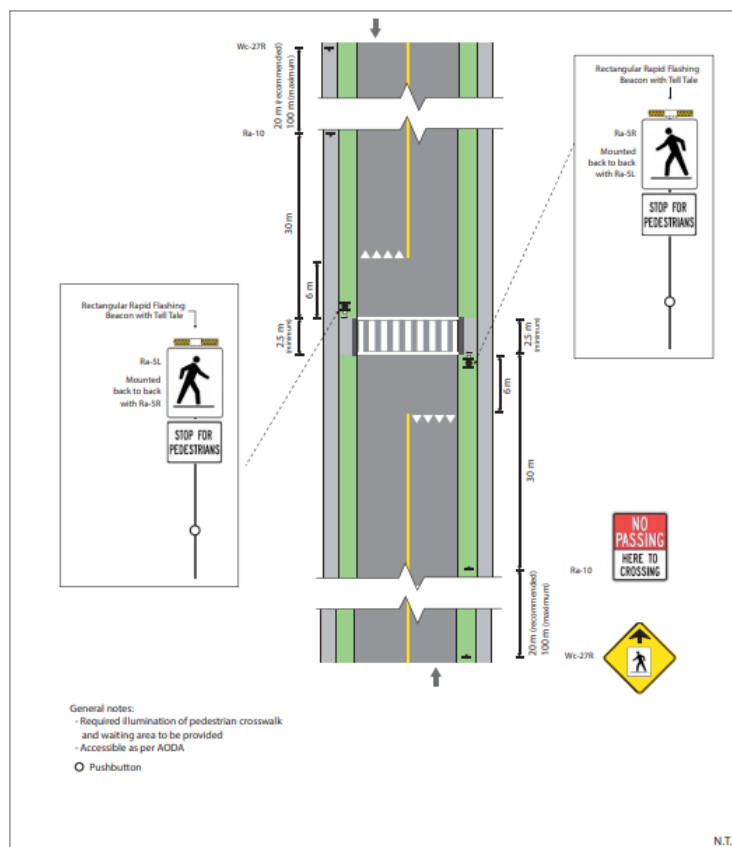
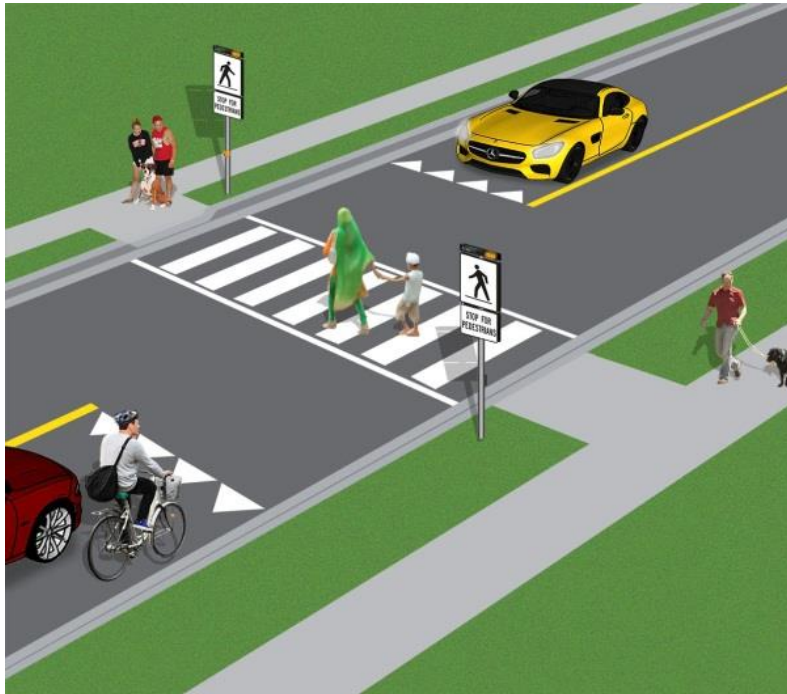




Bernard Avenue east of Yonge Street, City of Richmond Hill

**ATTACHMENT 7**

**Figure 1**  
**Level 2, Type C Pedestrian Crossover**

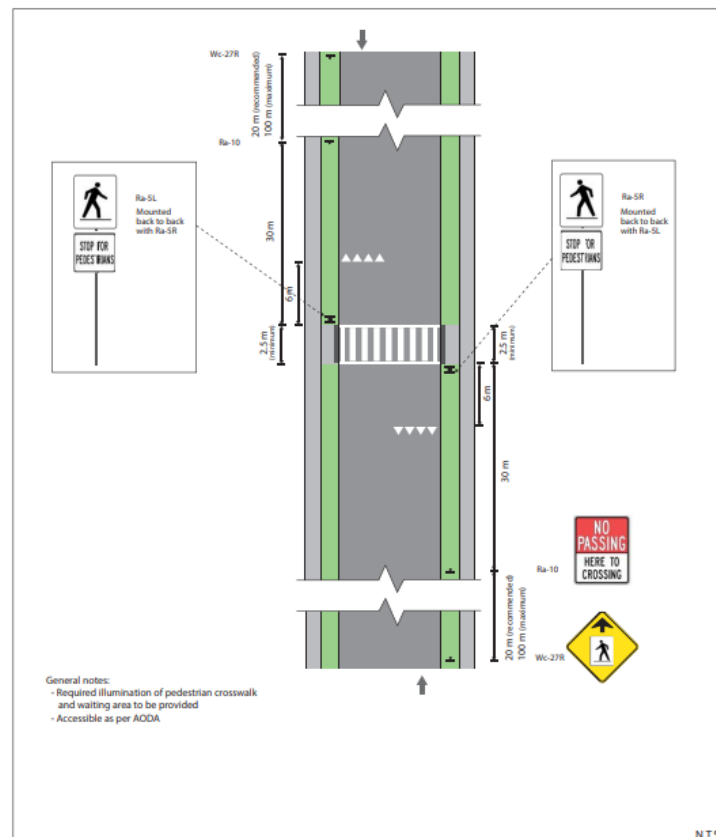
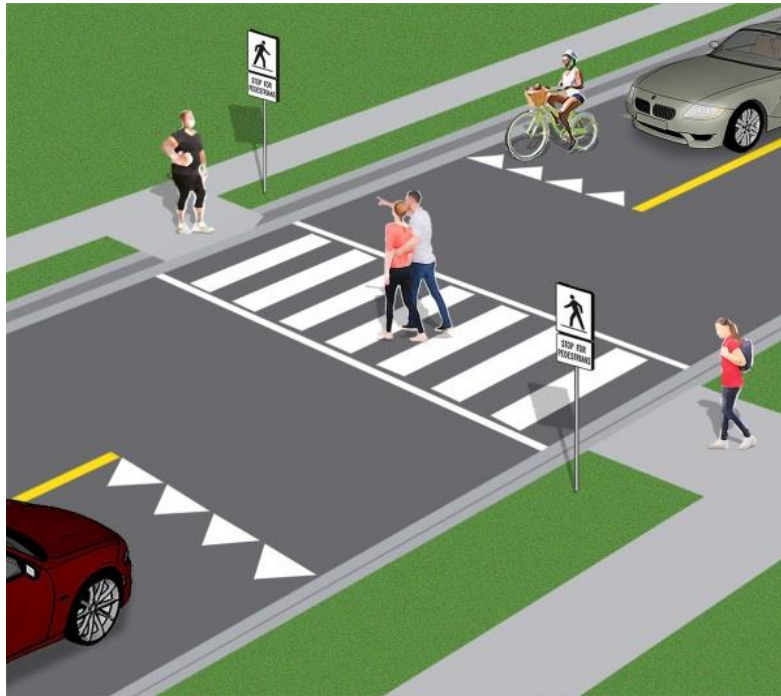




Shaftsbury Avenue and Casa Grande Street, City of Richmond Hill

**ATTACHMENT 8**

**Figure 1**  
**Level 2, Type D Pedestrian Crossover**





Centre Street at Mill Street, Town of East Gwillimbury

**ATTACHMENT 9**

**Table 1**  
**Pedestrian Crossover Analyses**

Criteria	Threshold Value	Observed Value		
		Yonge Street at Holland Land Community Centre, Town of East Gwillimbury	Ninth Line at Elm Street, Town of Whitchurch-Stouffville	Baseline Road approximately 640 metres west of Dalton Road, Town of Georgina
8-hour equivalent adult pedestrian volumes	100	143	141	103
8-hour traffic volumes	750	3,477	5,725	5,259
4-hour equivalent adult pedestrian volumes	65	106	68	74
4-hour traffic volumes	395	1,833	2,616	2,285
Daily traffic volume	35,000 or less	6,100	12,800	8,100
Speed limit	60 km/h or lower	50 km/h	50 km/h	50 km/h
Crossing distance	4 lanes or less	2 lanes	3 lanes	2 lanes
Distance to nearest traffic control device	200 metres	330 metres	250 metres	640 metres
Existing sidewalks	Required	Yes	Yes	Yes
Appropriate sight distance	Required	Yes	Yes	Yes
Adequate illumination	Required	Yes	Yes	Yes
AODA Compliant	Required	Yes	Yes	Yes

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**From:** McPhail, Roxanne <[Roxanne.McPhail@york.ca](mailto:Roxanne.McPhail@york.ca)> **On Behalf Of** Regional Clerk  
**Sent:** Monday, April 26, 2021 8:26 PM  
**To:** Fernando Lamanna <[flamanna@eastwillimbury.ca](mailto:flamanna@eastwillimbury.ca)>; Gillian Angus-Traill <[gillian.angus-traill@townofws.ca](mailto:gillian.angus-traill@townofws.ca)>; Kathryn Moyle <[kmoyle@king.ca](mailto:kmoyle@king.ca)>; Kitteringham, Kimberley <[KKitteringham@markham.ca](mailto:KKitteringham@markham.ca)>; Lisa Lyons <[llyons@newmarket.ca](mailto:llyons@newmarket.ca)>; Michael de Rond <[mderond@aurora.ca](mailto:mderond@aurora.ca)>; Rachel Dillabough <[rdillabough@georgina.ca](mailto:rdillabough@georgina.ca)>; Stephen Huycke <[stephen.huycke@richmondhill.ca](mailto:stephen.huycke@richmondhill.ca)>; Todd Coles <[todd.coles@vaughan.ca](mailto:todd.coles@vaughan.ca)>  
**Subject:** Regional Council Decision - 2021 Property Tax Rates

**CAUTION:** This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. Regional property tax rates for 2021 be established for the following property classes:

<b>Broad Property Class</b>	<b>Tax Rates %</b>
Residential/Farm	0.326425
Multi-Residential	0.326425
Commercial	0.434831
Industrial	0.536382
Pipelines	0.299985
Farmland	0.081606
Managed Forests	0.081606

2. Local municipalities pay the final two instalments of their 2021 Regional property tax levy on or before September 30, 2021 and December 15, 2021.
3. Notional tax rate calculation adjustment be adopted.
4. Council approve a bylaw to give effect to these recommendations.
5. The Regional Clerk circulate this report to local municipalities.

The original staff report is attached for your information.

Please contact Edward Hankins, Director, Treasury Office and Deputy Treasurer at 1-877-464-9675 ext. 71644 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Office of the Regional Clerk, Corporate Services

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
 1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# The Regional Municipality of York

Committee of the Whole  
Finance and Administration  
April 8, 2021

Report of the Commissioner of Finance

## 2021 Property Tax Rates

### 1. Recommendations

1. Regional property tax rates for 2021 be established for the following property classes:

Broad Property Class	Tax Rates %
Residential/Farm	0.326425
Multi-Residential	0.326425
Commercial	0.434831
Industrial	0.536382
Pipelines	0.299985
Farmland	0.081606
Managed Forests	0.081606

2. Local municipalities pay the final two instalments of their 2021 Regional property tax levy on or before September 30, 2021 and December 15, 2021.
3. Notional tax rate calculation adjustment be adopted.
4. Council approve a bylaw to give effect to these recommendations.
5. The Regional Clerk circulate this report to local municipalities.

### 2. Summary

Property tax rates need to be established for various property classes in order for the tax levy component of the Regional Budget to be raised for 2021.

Key Points:

- Tax rates are set annually to raise the tax levy specified in the budget approved by Council

- The relative rates for each of the broad property classes are determined by the weighting prescribed in the Property Tax Ratio bylaw
- The proposed 2021 tax rates are calculated using the 2021 tax ratios approved by Council in March

### 3. Background

Section 311(2) of the *Municipal Act, 2001* (the Act) requires an upper-tier municipality to pass a tax rating bylaw each year unless otherwise specified by the Province, setting out tax rates for each property class. This allows the Region to raise sufficient revenues to meet its budgetary requirements.

The proposed tax rates are based on the 2020 Returned Roll provided by the Municipal Property Assessment Corporation (MPAC), as well as the approved 2021 tax ratios and the 2021 Budget approved by Council. To minimize any challenges that municipalities, residents and businesses are facing, the Province announced that the planned 2020 reassessment will be postponed and that the 2021 property taxes will be based on assessment values used for the 2020 taxation year. As a result, Council directed that the Region will be maintaining 2020 tax ratios for the 2021 taxation year.

### 4. Analysis

#### **2021 tax rates are determined using the approved budget, assessment values and tax ratios**

Regional property tax rates are calculated based on the following formula:

$$\text{Property Tax Rates} = \frac{\text{Total Property Tax Funding Requirement for 2021}}{\text{Weighted and Discounted Assessment for All Classes}} \times \text{Tax Ratio for the Class}$$

Weighted and discounted property assessment is assessment returned by the Municipal Property Assessment Corporation for 2021, using the approved tax ratios established in the 2021 Property Tax Ratios Report. Table 1 summarizes revenue neutral tax ratios and 2021 proposed tax rates.

**Table 1**  
**2021 Proposed Tax Rates**

<b>Property Class</b>	<b>Approved Tax Ratios</b>	<b>Proposed 2021 Tax Rates %</b>
Residential	1.0000	0.326425
Multi-Residential	1.0000	0.326425
Commercial	1.3321	0.434831
Industrial	1.6432	0.536382
Pipelines	0.9190	0.299985
Farmland	0.2500	0.081606
Managed Forests	0.2500	0.081606

In addition, discounted tax rates are offered for certain property subclasses to ensure the special nature of these properties is recognized (see table 2).

**Table 2**  
**Prescribed Subclass Discounts for Property Classes**

<b>Applicable Property Class</b>	<b>Subclass</b>	<b>Discount</b>
Residential, Multi-Residential, Commercial and Industrial	Farmland Awaiting Development 1	75% of the residential tax rate
Commercial and Industrial	Excess Land	30% of the commercial rate and 35% of the industrial rate
Commercial and Industrial	Vacant Land	30% of the commercial rate and 35% of the industrial rate

### **The vacant and excess land discount will be reviewed as part of the 2022 taxation process**

In 2019, the Province began phasing out the vacant and excess land discount for education property taxes and extended the option for municipalities to do the same. However, due to the delay in the reassessment, Council, at its meeting in May 2020, directed that any decision regarding the elimination of the discount be deferred until the 2022 taxation year.

## **Annual adoption of the notional tax rate calculation adjustment is required**

Notional tax rates are theoretical rates that would raise the same overall tax levy for the municipality as the previous year, using the updated assessment roll information of the current year. While the notional tax rates have no impact on the actual amount of taxes collected, it is used to better explain year over year levy changes.

In 2016, the Province introduced an option for municipalities to adjust the notional tax rate calculation. This option is a technical adjustment allowing municipalities to remove in-year assessment losses due to factual errors and methodological changes when calculating notional tax rates. This adjustment impacts only the overall levy change in the disclosure notice of the final bills.

The notional tax rate adjustment has been used by the Region since 2017.

## **5. Financial**

### **Tax rates will increase to reflect the 2021 budget increase**

Table 3 shows the historical relationship between average assessed value of a single-family detached home and the tax rate for residential property class. Tax rates are adjusted each year to raise the amount needed to fund the Region's approved operating budget. From 2013 to 2020, the annual increase in spending was proportionately lower than the average increase in single-family detached assessment value, and as such tax rates have declined each year. However, as a result of the Province's delayed implementation of the 2020 reassessment due to COVID-19, property assessment values used for the 2020 property values were maintained for the 2021 taxation year. Therefore, the proposed tax rates only reflect the requirement to raise the necessary funds to meet the approved 2021 Budget.

**Table 3**  
**Comparison of Residential Assessment to Residential Tax Rates**

	<b>Average Single-Family Detached Assessment</b>	<b>Tax Rates (%)</b>
2021	963,247	0.326425
2020	959,600	0.321619
2019	883,328	0.336549
2018	809,104	0.350606
2017	740,630	0.371903
2016	667,714	0.397157
2015	629,000	0.406421
2014	591,000	0.416733
2013	553,000	0.434762

Attachment 1 shows the distribution of Regional revenues by the various property classes and subclasses. The table includes linear properties for which the Province has prescribed a charge per acre. It also includes payments-in-lieu, which are payments made to compensate a municipality for some or all of the tax revenues foregone from tax-exempt properties. The most common payments-in-lieu in the Region are for federally owned properties such as Canada Post, municipal utilities and crown corporations.

## 6. Local Impact

Subsection 311(11) of the Act requires an upper-tier tax rating bylaw to estimate the amount of upper-tier tax revenue to be raised in each of the local municipalities. The estimate is shown in Table 4.

**Table 4**  
**2021 Regional Tax Revenue to be Raised by Local Municipalities**

<b>Municipality</b>	<b>2020 Tax Requirement (\$)</b>	<b>2020 Share (%)</b>	<b>2021 Tax Requirement (\$)</b>	<b>2021 Share (%)</b>
<b>Aurora</b>	57,732,761	4.87	59,879,284	4.91
<b>East Gwillimbury</b>	26,972,649	2.28	28,446,389	2.33
<b>Georgina</b>	28,139,056	2.37	28,872,375	2.37
<b>King</b>	32,287,076	2.72	33,527,284	2.75
<b>Markham</b>	341,800,283	28.85	350,736,842	28.77
<b>Newmarket</b>	67,618,055	5.71	69,085,689	5.67
<b>Richmond Hill</b>	220,347,551	18.60	225,671,018	18.51
<b>Vaughan</b>	365,593,565	30.85	376,358,186	30.87
<b>Whitchurch-Stouffville</b>	44,428,214	3.75	46,514,849	3.82
<b>Sub-Total</b>	<b>1,184,919,210</b>	<b>100.00</b>	<b>1,219,091,916</b>	<b>100.00</b>
Payments-in-Lieu	3,652,790		4,027,084	
<b>Total Tax Requirement</b>	<b>1,188,572,000</b>		<b>1,223,119,000</b>	

**The Municipal Act permits upper-tier municipalities to collect their portion of property tax payments from local municipalities on or before specified dates**

Subsection 311(12) of the Act provides that an upper-tier rating bylaw may require specified portions of the estimated taxes to be paid by the local municipalities on or before specified dates. At its meeting of January 28, 2021, Council adopted interim levy payment dates of April 30, 2021 and June 30, 2021. It is recommended that the remaining two instalments for the property tax levy be paid on or before September 30, 2021 and December 15, 2021.

In 2020, due to COVID-19, local municipalities offered various tax relief programs to taxpayers to assist residents and business owners impacted by the pandemic. To support those municipalities, the Region waived interest payments on its tax levy instalments that were the direct result of local tax relief programs. In January 2021, Council directed that this program be extended to the 2021 taxation year.

## 7. Conclusion

The proposed 2021 tax rates will raise the property tax levy requirement approved by Council in March 2021. As well, the report provides dates for the remittance of remaining instalment payments from local municipalities.

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For more information on this report, please contact Edward Hankins, Director, Treasury Office and Deputy Treasurer at 1-877-464-9675 ext. 71644. Accessible formats or communication supports are available upon request.

*Laura Mirabella*

Recommended by:

**Laura Mirabella, FCPA, FCA**

Commissioner of Finance and Regional Treasurer



Approved for Submission:

**Bruce Macgregor**

Chief Administrative Officer

March 25, 2021

Attachments (1)

12473801

**Attachment 1****2021 Proposed Regional Revenues and Tax Rates by Class**

<b>Property Assessment Class and Subclass</b>	<b>Tax Rates (%)</b>	<b>Revenue Generated (\$)</b>
<b>Residential</b>		
Residential	0.326425%	1,002,864,142
Residential Taxable (Shared as Payment in Lieu)	0.326425%	31,278
Residential – Farmland Awaiting Development Phase 1	0.081606%	14,952
Residential Taxable (Upper Tier and Education Only)	0.326425%	-
<b>Multi-Residential</b>		
New Multi-Residential	0.326425%	16,801
Multi-Residential	0.326425%	10,226,389
<b>Commercial</b>		
Commercial (Occupied)	0.434831%	87,336,949
Shopping Centre	0.434831%	27,685,875
New Commercial (Occupied)	0.434831%	21,480,358
Office Building	0.434831%	10,083,346
Shopping Centre (New Construction)	0.434831%	5,932,174
Commercial Vacant Land	0.304382%	2,964,523
Office Building Occupied (New Construction)	0.434831%	2,779,707
Commercial Excess Land	0.304382%	1,067,291
Small Scale On Farm Business	0.434831%	261
Commercial Excess Land (New Construction)	0.304382%	166,153
Parking Lot (Full)	0.434831%	866,019
Commercial (previously Ontario Hydro)	0.434831%	143,886
Shopping Centre Excess Land (New Construction)	0.304382%	124,280
Office Building Vacant Units and Excess Land	0.304382%	117,104
Shopping Centre Vacant Units and Excess Land	0.304382%	186,521
Commercial – Farmland Awaiting Development Phase 1	0.081606%	68,060

<b>Property Assessment Class and Subclass</b>	<b>Tax Rates (%)</b>	<b>Revenue Generated (\$)</b>
Commercial Vacant Land (Shared as Payment in Lieu)	0.304382%	12,878
Office Building Excess Land (New Construction)	0.304382%	8,413
Commercial Excess Land (Shared as Payment in Lieu)	0.304382%	2,227
<b>Industrial</b>		
Industrial (Occupied)	0.536382%	26,740,074
Large Industrial	0.536382%	5,739,374
Industrial Vacant Land	0.348648%	3,548,284
New Industrial (Occupied)	0.536382%	2,530,246
Industrial (previous Ontario Hydro)	0.536382%	664,263
Industrial Excess Land	0.348648%	187,639
Industrial Excess Land (previously Ontario Hydro)	0.348648%	160,364
Industrial Farmland Awaiting Development Phase 1	0.081606%	96,925
New Large Industrial Occupied	0.536382%	759,744
New Large Industrial Excess Land	0.348648%	52,976
Large Industrial Vacant Units and Excess Land	0.348648%	58,474
Industrial (New Construction)	0.536382%	26,293
Industrial Excess Land (New Construction)	0.348648%	15,936
Industrial Vacant Land (Shared as Payment in Lieu)	0.348648%	4,574
<b>Others</b>		
Pipeline	0.299985%	1,223,708
Farmlands	0.081606%	1,474,664
Managed Forest	0.081606%	66,893
Railway Right-Of-Way (Estimated)		592,180
Utility Transmission (Estimated)		969,718
Sub-Total (Estimated)		1,219,091,916
Payment-in-Lieu		4,027,084
<b>Total</b>		<b>1,223,119,000</b>

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**From:** McPhail, Roxanne <[Roxanne.McPhail@york.ca](mailto:Roxanne.McPhail@york.ca)> **On Behalf Of** Regional Clerk  
**Sent:** Monday, April 26, 2021 8:24 PM  
**Subject:** Regional Council Decisions - 2020 Regional Centres and Corridors Update

**CAUTION: This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.**

On April 22, 2021 Regional Council made the following decision:

1. The Regional Clerk forward this report to the Minister of Municipal Affairs and Housing and York Region Members of Federal and Provincial Parliament as an example of the Region's continued commitment to transit-oriented development within Regional Centres and Corridors.
2. Council continue to seek further Federal and Provincial funding and assistance to provide critical infrastructure for the Yonge North Subway Extension and completion of the Viva Rapid Transit network, required to support levels of growth and intensification within Regional Centres and Corridors to implement Provincial Growth Plan forecasts.
3. The Regional Clerk forward this report to the local municipalities for information.

The original staff report is attached for your information.

Please contact Jeff Hignett, Senior Planner at 1-877-464-9675 ext. 71515 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Office of the Regional Clerk, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# The Regional Municipality of York

Committee of the Whole  
Planning and Economic Development  
April 8, 2021

Report of the Commissioner of Corporate Services and Chief Planner

## 2020 Regional Centres and Corridors Update

### 1. Recommendations

1. The Regional Clerk forward this report to the Minister of Municipal Affairs and Housing and York Region Members of Federal and Provincial Parliament as an example of the Region's continued commitment to transit-oriented development within Regional Centres and Corridors.
2. Council continue to seek further Federal and Provincial funding and assistance to provide critical infrastructure for the Yonge North Subway Extension and completion of the Viva Rapid Transit network, required to support levels of growth and intensification within Regional Centres and Corridors to implement Provincial Growth Plan forecasts.
3. The Regional Clerk forward this report to the local municipalities for information.

### 2. Summary

This report provides an annual update of development activity, transit investments and programs that occurred within Regional Centres and Corridors in 2020. It identifies ongoing trends, impacts of COVID-19 and future initiatives that continue to drive the Region's city building initiatives forward supporting Council's commitment to planning for complete communities.

Key Points:

- Regional Centres and Corridors include 58 out of 78 Council endorsed Major Transit Station Areas (MTSA's)
- Residential construction activity in Centres and Corridors remained robust during the pandemic
- Despite COVID-19 restrictions, 2020 was a strong year for building permit activity within Centres, with 68% of all apartment units in the Vaughan Metropolitan Centre
- Vaughan Metropolitan Centre (VMC) was a leader in condominium sales despite an overall slowing in GTA condominium sales in 2020

- In December 2020, the most recent Viva Bus Rapid Transit rapidway opened for service in Richmond Hill from Highway 7 to 19<sup>th</sup> Avenue/Gamble Road
- Since 2018, approximately 3,200 purpose built rental units have been proposed in Centres and Corridors accounting for 96% of all rental units in the Region
- No new building permits were issued for office in 2020, but there were also no new large office space vacancies in either the Vaughan Metropolitan Centre or Markham Centre
- Yonge North Subway Extension continues to be the top transit priority for York Region, followed by completion of planned Viva Bus Rapid Transit rapidways crucial to completing the Region's rapid transit network
- Upper York Sewage Solution is a vital piece of infrastructure required to fully realize planned growth in Newmarket Centre and Regional Corridors in Aurora, East Gwillimbury and Newmarket

### 3. Background

#### **Regional Centres and Corridors are being redefined by planning for Major Transit Station Areas**

Regional Centres and Corridors are the foundation of the Region's Urban Structure that guides rapid transit investment, residential intensification, and commercial growth. It directs growth to strategic locations in the Region through intensification and supports the efficient use of land by aligning growth with existing and planned infrastructure and services.

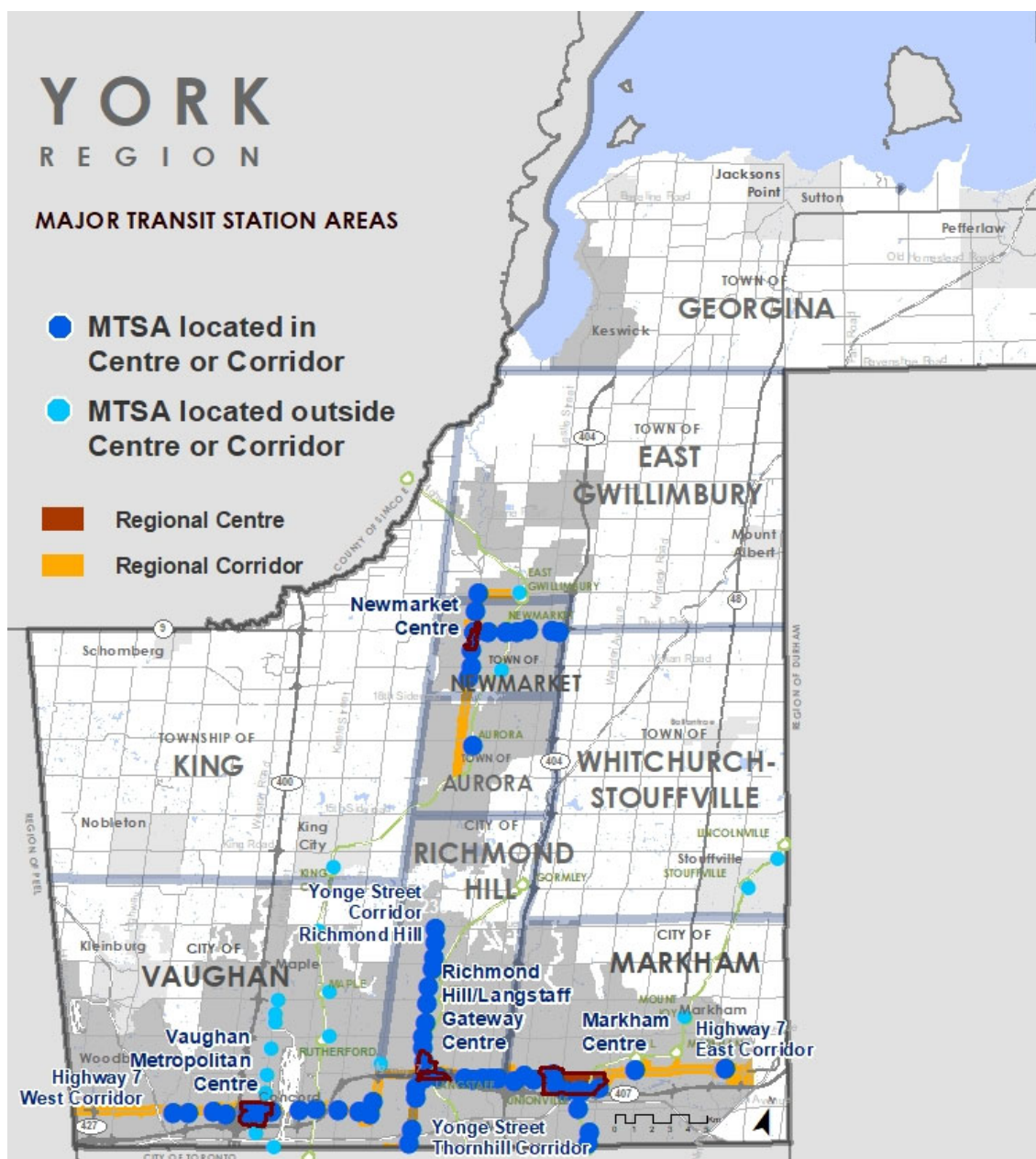
Regional Centres and Corridors implement the Provincial Growth Plan's priority to focus growth in urban areas. The Provincial Growth Plan identifies four Urban Growth Centres in York Region, also known as Regional Centres:

- Markham Centre (Highway 7 and Warden Ave)
- Newmarket Centre (Yonge Street and Davis Drive)
- Richmond Hill / Langstaff Gateway Centre (Highway 7 and Yonge Street)
- Vaughan Metropolitan Centre (Highway 7 and Jane Street)

Urban Growth Centres are the primary focus for intensification, are planned to contain the highest development densities in the Region and are evolving into highly active urban places well served by rapid transit.

Regional Corridors are evolving with recent direction from the Provincial Growth Plan to delineate Major Transit Station Areas (MTSA) along existing and future transit corridors. The majority (58) of the Region's 78 MTSA are in Regional Centres and Corridors supported by subway and/or Viva Bus Rapid Transit, with others located on GO transit corridors (Figure 1). MTSA represent areas within a 10-minute walk of a transit station. These areas will support revitalization through the introduction of additional density to existing neighbourhoods.

**Figure 1**  
**Major Transit Station Areas in Centres and Corridors**



### **Regional Centres and Corridors support complete community principles**

The proximity of transit in the Centres and Corridors supports building 15-minute neighbourhoods. The concept of 15-minute neighbourhood walkability as a method of measuring complete communities has recently gained momentum amongst municipal leaders as a strategy to “Build Back Better”, as part of COVID-19 recovery efforts. 15-minute neighbourhoods are complete communities characterized by compact, well-connected neighbourhoods that:

- Provide for a range of housing and employment options
- Support active transportation and transit use
- Provide easy access to retail, services, greenspace, schools and other community facilities
- Allow residents to access their daily needs within a 15- minute walk or bike ride from home

The 15-minute neighbourhood concept is not limited to Centres and Corridors, but rather a goal for complete communities in the Region. Staff are developing a mapping tool with local municipal staff, to be shared in the future with stakeholders and the public for input to assess walkability in York Region communities. This analysis will help municipal staff identify gaps and respond to specific local needs and improve an area's liveability through policy development, implementation and citizen engagement. A [community wide survey](#) has been launched to understand diverse needs in existing and new communities. Results will inform the planning and design of complete communities in more compact Centres and Corridors and suburban settings.

**Figure 2**  
**Elements of a 15-Minute Neighbourhood**



Town of Newmarket

## 4. Analysis

### **Building Permit activity in Centres and Corridors remained strong in 2020**

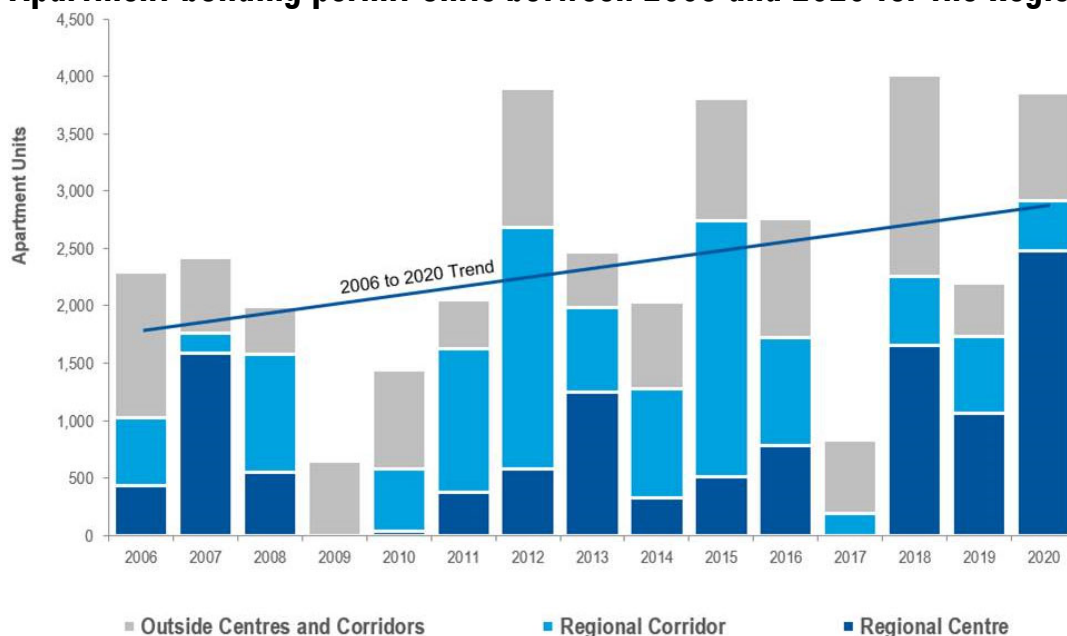
In 2020, building permits were issued for over 3,800 apartment units Region-wide, compared to 2,200 units in 2019. Over 70% of building permits were issued in the first half of the year, followed by a slower period of activity in the second half of the year. Overall, building permit activity was comparable to previous years, despite the COVID-19 pandemic. Yearly

fluctuation is more commonly observed in apartments than in other housing types as they can take a longer time to build and are tied to individual high-rise development projects. Figure 3 shows the number of apartment building permit units in the Regional Centres and Corridors and all other areas of the Region.

Key highlights of apartment building permit activity in Centres and Corridors:

- Majority of all new apartment units (76%) were in the Centres and Corridors
- Purpose built rental apartment units accounted for 12% (360 units) of all new apartment units in Centres and Corridors. There are currently 220 purpose-built rental units under construction and an additional 2,600 rental units proposed.
- 2020 was the highest year on record for apartments units in Centres
- 68% of apartment units in Centres were in the Vaughan Metropolitan Centre
- Vaughan Metropolitan Centre has accounted for 57% of apartment units in Centres and Corridors over the last 3 years

**Figure 3**  
**Apartment building permit units between 2006 and 2020 for the Region**

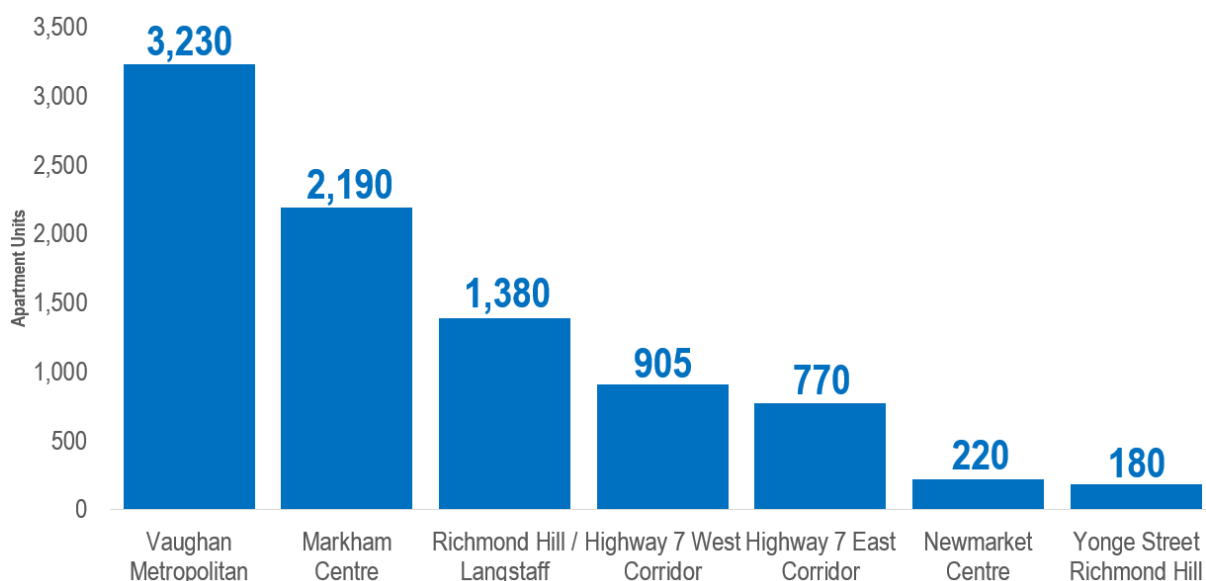


### Construction activity in the Centres and Corridors remained robust in 2020

Despite COVID-19 restrictions, there was a 21% increase in construction activity in 2020 in Centres and Corridors. This represents the highest one-year total for construction growth since tracking began in 2001. Currently, there are 29 multi-storey residential buildings (8,900 units) under construction in Centres and Corridors, compared to 24 buildings (7,430 units) in 2019. (Source: Altus Group Data Solutions Inc.)

In 2020, 12 buildings were completed (3,280 units) and 17 new buildings started construction (6,790 units). The strongest construction growth was observed in the Vaughan Metropolitan Centre (VMC) with 3,230 apartment units under construction, followed by Markham Centre with 2,190 units (Figure 4). The Toronto-York Spadina subway extension has been a catalyst for growth in the VMC.

**Figure 4**  
**Apartment Units Under Construction in 2020 in Regional Centres and Corridors**



(Source: Altus Group Data Solutions Inc.)

### **Vaughan Metropolitan Centre led condominium sales despite an overall decline in GTA sales**

GTA new condominium sales fell 22% in 2020 from 2019, but overall performed better than the City of Toronto which reported a 31% decrease in sales (Altus Group Data Solutions Inc). This shift in condominium sales activity from Toronto to other GTA municipalities is being driven by a mix of investors and people wanting to live in purchased units.

The availability of unsold units in new condominiums in Centres and Corridors stood at 4% (390 units) of total inventory in 2020, showing no decline over the 4% unsold inventory observed in 2019. Condominium sales in Vaughan continued to increase, even with COVID-19 restrictions. In 2020, 3,160 apartment units were sold in Vaughan compared to 2,460 units in 2019. The City of Vaughan took the lead in selling the majority (79%) of apartment units in York Region (Source: Building Industry and Land Development Association) (Figure 5).

**Figure 5**  
**Buildings under construction at the Vaughan Metropolitan Centre**



**Secondary Plans are being updated to ensure Centres continue to develop as vibrant, sustainable complete communities**

Over the last 3 years, 55% of local official plan amendment applications in Centres and Corridors proposed increased heights and/or density beyond those permitted in the current Official Plans. Based on active applications, the Vaughan Metropolitan Centre and Markham Centre are projected to exceed 2031 secondary plan population targets by 60% and 24% respectively (Attachment 1).

More than anticipated population can put increased pressure on the ability to deliver sufficient parkland, community amenities, schools and local and regional infrastructure. To address this, local municipalities (Markham, Richmond Hill, and Vaughan) are updating their Regional Centre Secondary Plans to ensure the community vision for sustainable urban living can be achieved for these areas. Staff continue to work with local municipalities to support the review and approval of Secondary Plans.

## **York Region is leveraging 3D modelling technology as a city building tool to visualize emerging communities in Centres and Corridors**

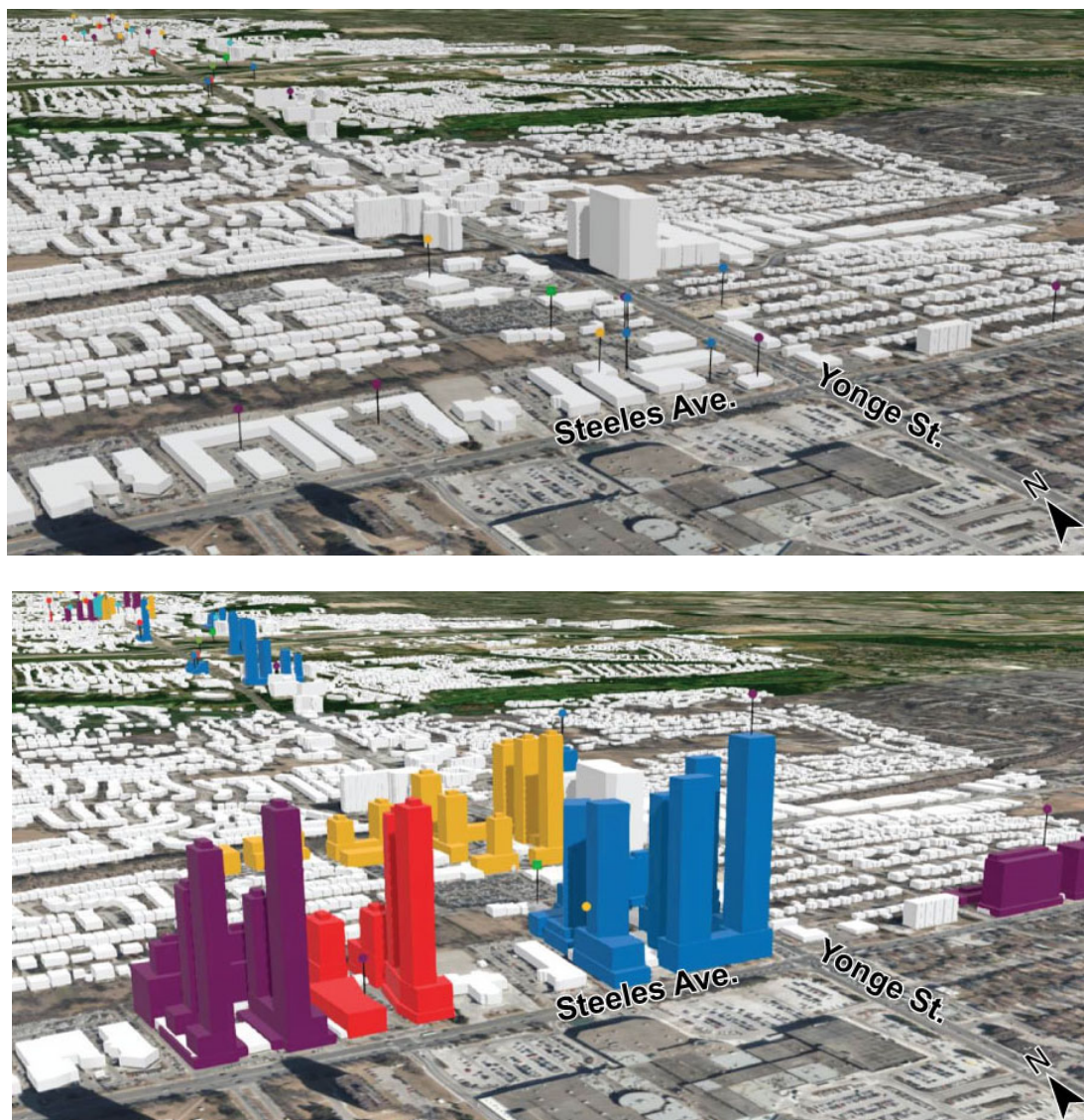
As the Region plans for growth and as areas redevelop, visualizing development can be helpful to understand and plan for intensification areas. 3D modelling can enable various stakeholders to visualize and understand the impact of proposed development and make informed decisions.

3D modelling creates a digital illustration of current and future development areas. Figure 6 shows a 3D model to help visualize the density proposed by numerous development applications at Steeles Avenue and Yonge Street (Figure 6). This tool offers many benefits including:

- Visualizing how emerging communities will look (e.g. MTSA's, compare different planning scenarios)
- Understanding how these areas are meeting population and job Growth Plan targets
- Providing a tool for citizen education and engagement
- Allowing stakeholders to understand the impact of development proposals on a site or area
- Accessing metrics in real-time (e.g. parkland, servicing availability)

3D modelling technology is being used to build a virtual city model of the Region starting with Centres and Corridors. This model connects directly to the Region's development tracking system (YorkTrax) to provide real-time data on development applications. Local municipalities are interested in using this technology to help visualize new development in key growth areas and future new communities across the Region. Local staff will continue to be engaged to advance the application of 3D modeling as a tool to help inform future growth and development decisions.

**Figure 6**  
**3D illustration of existing built form and active development applications at**  
**Yonge Street and Steeles Avenue**



### **COVID-19 has impacted office market demand creating short-term uncertainty**

When the COVID-19 pandemic began in March 2020, millions of Canadians moved from working in office locations to working from home. The pandemic also accelerated other trends that impact commercial real estate demand such as adoption of flexible office models, supply chain risk mitigation and retail sector transformation. Conversely, COVID-19 slowed or halted trends and activities such as workplace densification, urban migration, in-person meetings, business travel and use of mass transit. Highlights of 2020 office activity in Centres and Corridors include:

- Unprecedented COVID-19 related move to work from home resulting in significant office market uncertainty that may influence post-pandemic corporate space decisions
- While local office vacancy rates held relatively steady in 2020, availability rates for office space are rising as tenants are subletting their unused spaces
- Office leasing activity in 2020 has fallen to its lowest level in recent years
- Office space absorption decreased, and availability and vacancy increased in 2020 because of the COVID-19 impact, however rental rates generally held firm for well-leased assets
- With the pandemic taking its toll on new local office market applications, data shows that York Region fared better in 2020 than other GTA regions. Further information on broader York Region development is provided in the 2020 Development Activity Report

There were no new building permits issued for office development in Centres and Corridors in 2020, however there are also no new large office space vacancies in either the Vaughan Metropolitan Centre or Markham Centre, pointing to the relative resilience of these sub-markets in 2020 during COVID-19 pandemic restrictions.

### **Yonge North Subway Extension remains the Region's top rapid transit priority**

The Yonge North Subway Extension (YNSE) remains the number one rapid transit priority for York Region. The YNSE project is expected to take 10 years to complete and will create new jobs, build a stronger economy, shape communities, and support a sustainable future by:

- Creating 52,000 new jobs delivered through YNSE construction, providing new opportunities for apprentices and businesses, and 5,000 new jobs delivered 10 years after construction through new development and other infrastructure
- Saving over 13 tonnes of greenhouse gas (GHG) per workday by reducing 3,300 bus trips per day required to service this segment of Yonge Street by 2031
- Providing housing for 88,000 new residents and unlocking planned development in Richmond Hill/Langstaff Gateway and along the Yonge Street corridor

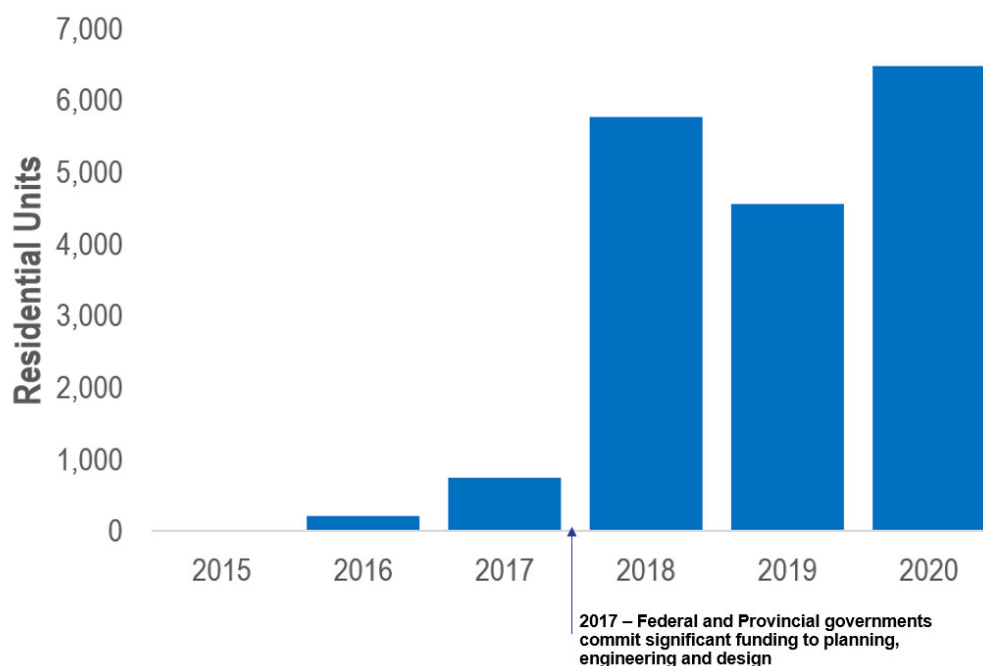
In April 2019, the Province of Ontario announced \$5.6 billion for funding the Yonge North Subway Extension. The Federal government's 40% share of funding has not been secured at this time. On March 18, 2021 Metrolinx recommended a new proposed alignment for the Yonge North Subway Extension that would include building a portion of the line above ground parallel to the existing Richmond Hill GO corridor. The target completion date for the YNSE is 2029-30.

## Development interest along the Yonge North Subway Extension Corridor increased following Federal and Provincial support for the subway

Investment in rapid transit is having a positive impact on growth and development along the Yonge North Subway Extension (YNSE) corridor. Development interest in the Yonge Street corridor increased substantially following Federal and Provincial announcements to provide support for the planning and design of the YNSE in 2017. Since 2018, there has been an increase in high-density development applications that collectively proposes to add close to 17,000 apartment units and 550,000 square feet of commercial/retail space (Figure 7). More than half of these units are proposed on Yonge Street close to Steeles Avenue. Richmond Hill staff are preparing the Richmond Hill Centre Secondary Plan which is expected to be adopted later this year. This secondary plan will set new growth targets and guide development to be served by the future Yonge Subway Extension.

The Region and local municipalities are working with Metrolinx and TTC to ensure a coordinated development approval process for applications along the Yonge North Subway Extension corridor and implement the provinces' Transit Oriented Communities program.

**Figure 7**  
**Proposed high-rise residential units on the Yonge North Subway Extension Corridor**



## **Further investment to implement planned Viva rapidways is necessary to complete the Regional rapid transit network**

By the end of 2020, York Region has opened nearly 34 kilometres of bus rapid transit (BRT) connecting our busiest city centres to the entire GTA. The most recent rapidway in Richmond Hill was completed in December 2020 along Yonge Street from Highway 7 to 19<sup>th</sup> Avenue/Gamble Road. Investment in BRT and subways supports economic vibrancy and quality of life. An additional 75+ km of Viva Rapid Transit rapidways have been planned for various areas in York Region, including:

- Highway 7 west to Highway 50 and east to Cornell Bus Terminal
- Yonge Street between Savage-Sawmill and Wellington St., and between Golf Links and 19<sup>th</sup>/Gamble
- Jane Street, Major Mackenzie Drive, and Leslie Street

These areas remain unfunded and need prioritization by Metrolinx and the Province to connect the Regional Centres and complete the Regional rapid transit network to provide necessary links and address interregional connections with provincial transit improvements, including GO expansion at Markham (Unionville) and in Vaughan.

## **Staff continue to monitor development charge deferral programs that encourage purpose built rental housing and office development**

In October 2019, York Region Council approved new long-term development charges deferrals to support affordable, purpose-built rental housing and large office buildings. Since Council approval, staff have actively engaged with residential and non-residential stakeholders, providing information on the programs. In 2020, two developments accessed the affordable rental development charge deferral program for a total of 262 units (216 units in Newmarket, 46 units in Vaughan). There were no large office building development charge deferrals in 2020. There are currently 3,080 purpose built rental units proposed in the Region by 8 development applications.

## **York Region has requested the Province introduce legislative changes to advance Environmental Assessment Approvals for critical Water and Wastewater Infrastructure**

Bill 171, the *Building Transit Faster Act*, introduced by the Province in February 2020, includes several measures to help accelerate the timing of delivering the Provincial subway program. York Region has asked the Province to introduce similar legislation to Bill 171 to help expedite Environmental Assessment Approvals associated with approval of key infrastructure projects. Continued delay in approval of a sewage solution for York Region's northern municipalities is impacting the ability for these municipalities dependent on this project to meet Provincial Growth Plan targets and realize economic development opportunities.

## 5. Financial

Development in Centres and Corridors optimizes investment in capital infrastructure. To date:

- The Region has invested \$3.6 billion in Bus Rapid Transit rapidways (BRT), the Yonge North Subway Extension (YNSE), and facilities and terminals to support Centres and Corridors.
- This investment has provided over \$2.1 billion in assets, including rapidway Viva stations and lanes, boulevard work, underground infrastructure, streetscape features, facilities and terminals, and subway infrastructure.
- Additional funding is required to build 75+ km of planned BRT rapidways critical to connect Regional Centres and complete the rapid transit network.

On May 28, 2020, York Region and the Province signed the “Ontario-York Region Transit Partnership Preliminary Agreement”. According to this agreement, the Region is expected to contribute over \$1 billion of the total capital construction costs of the YNSE (estimated to be \$5.6 billion). The Federal government’s 40% share of funding for the YNSE has not been secured at this time. Staff will continue working with all levels of government to help move this critical project forward.

## 6. Local Impact

Local municipalities are key partners in city building initiatives and programs to support implementation and development of Centres and Corridors. Staff are working with local municipalities on:

- Review and approval of Secondary Plans and planning for Major Transit Station Areas
- Coordination of comments for development applications along the Yonge North Subway extension corridor and advancing Transit Oriented Communities with the province
- 3D city building technology to provide a visualization tool for local municipal collaboration to inform and promote city building
- Developing a mapping tool to assess walkability in York Region communities to support 15-minute city complete community principles

## 7. Conclusion

Regional Centres and Corridors are evolving with the recent direction from the Provincial Growth Plan to delineate Major Transit Station Areas along rapid transit corridors and GO

Stations. To inform future growth and development in these areas, staff will be leveraging 3D modelling technology as a city building tool to visualize these emerging communities.

Despite COVID-19, residential building permit and construction activity remained robust in 2020. It was one of the strongest years on record for residential building permit activity within Centres, with 68% of all new apartment units within Centres locating in the Vaughan Metropolitan Centre (VMC). It was also a strong year for construction activity with 29 multi-storey residential buildings under construction in the Centres and Corridors. In 2020, there was a strong shift of condo sales activity from Toronto to the GTA, with the VMC leading in apartment sales. The Toronto-York Spadina Subway extension has been a catalyst for growth in the VMC.

The Province has committed a significant investment for the Yonge North Subway Extension, however further funding commitment in Viva Bus Rapid Transit rapidways is critical to complete the Regional rapid transit network. Moving forward with the Upper York Servicing Solution infrastructure is also required to fully realize planned potential in the northern Centres and Corridors. These projects will support the Region's vision of vibrant, successful, healthy, transit-oriented, complete and compact communities.

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For more information on this report, please contact Jeff Hignett, Senior Planner at 1-877-464-9675 ext. 71515. Accessible formats or communication supports are available upon request.

Recommended by:



**Paul Freeman**  
Chief Planner



**Dino Basso**  
Commissioner of Corporate Services

Approved for Submission:



**Bruce Macgregor**  
Chief Administrative Officer

March 26, 2021  
Attachment (1)  
12596192

York Region's Centres and Corridors Program is a city-building initiative and the foundation of York Region's planned urban structure. It combines planning for urban pedestrian friendly/walkable communities with construction of new rapid transit corridors and stations that connect York Region and the Greater Toronto Area. Regional Centres and Corridors are evolving to include 58 of the 78 Council endorsed Major Transit Station Areas (MTSA). MTSA boundaries represent areas within a 10 minute walk of a transit station and will be planned to support revitalization through the introduction of additional density to existing neighbourhoods. This approach aligns with the 15-minute city complete community principles which have gained momentum amongst municipal leaders as a way to "Build Back Better" as part of COVID-19 recovery efforts. 15-minute neighbourhoods are characterized by a clustering of diverse land uses where residents have access to their daily needs within a 15-minute walk or bicycle ride.

Despite COVID-19 restrictions, 2020 was a strong year for building permit activity in Regional Centres with 2,480 new apartment units. The Vaughan Metropolitan Centre (VMC) accounted for 68% of new apartment permit activity (1,990 units) in all Centres. The Toronto-York Spadina Subway extension has been a catalyst for growth in the VMC. Construction activity was also strong with 29 multi-storey residential buildings under construction (8,400 units) in Centres and Corridors. No new building permits were issued for office in 2020, but there were also no new large office space vacancies in either the Vaughan Metropolitan Centre or Markham Centre pointing to the relative resilience of these sub-markets in 2020 during COVID-19 pandemic restrictions.

Built and projected growth in Markham Centre and the Vaughan Metropolitan Centre has already exceeded 2031 growth targets. More than anticipated population can put increased pressure on the ability to deliver sufficient parkland, community amenities, schools and local and regional infrastructure. To address this, local municipalities (Markham, Richmond Hill and Vaughan) are updating their Regional Centre Secondary Plans to ensure the community vision for sustainable urban living can be achieved for these areas.

The Yonge North Subway Extension (YSNE) continues to be the top transit priority for York Region. Development interest in the Yonge Street corridor increased substantially following Federal and Provincial announcements to provide support for the planning and design of the YNSE in 2017. Since 2018, there has been an increase in high-density development applications that collectively proposes to add close to 17,000 apartment units and 550,000 square feet of commercial/retail space. More than half of these units are proposed on Yonge Street close to Steeles Avenue.



**STRONG CONSTRUCTION ACTIVITY**  
**DESPITE COVID-19 8,900 UNITS** in TOTAL  
**AND 29 BUILDINGS** UNDER CONSTRUCTION

SINCE 2006

**66%** OF ALL NEW MULTI-STOREY  
RESIDENTIAL APARTMENT UNITS in the  
Region have been located in **Centres & Corridors**

**85%**

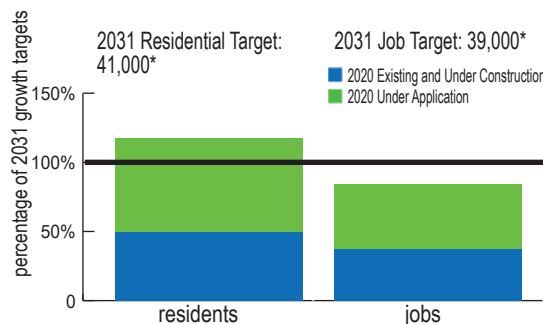
of 2020 Centres and Corridors **APARTMENT**  
**BUILDING UNITS** (2,480 UNITS) were located  
in **Regional Centres**

**68%**

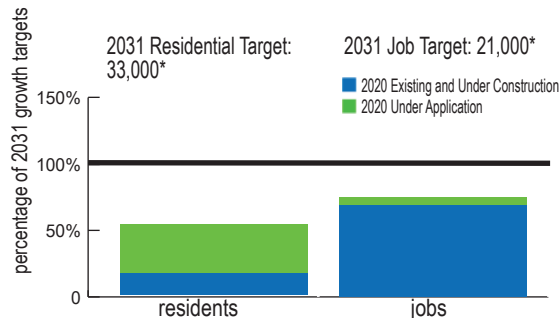
of **APARTMENT BUILDING UNITS**  
(1,990 units) were located in the  
**Vaughan Metropolitan Centre**

## Progress Towards Growth Targets in Regional Centres

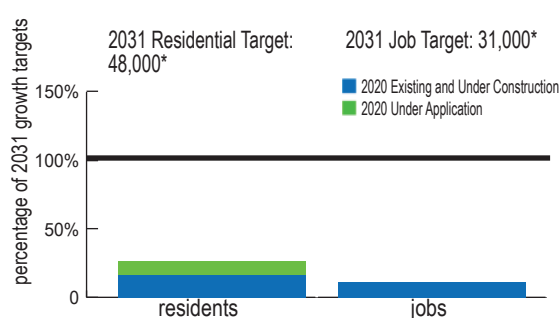
### MARKHAM CENTRE



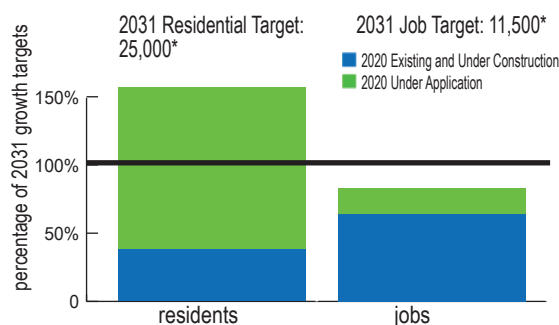
### NEWMARKET URBAN CENTRES



### RICHMOND HILL/LANGSTAFF GATEWAY CENTRE



### VAUGHAN METROPOLITAN CENTRE



\*Population and job targets subject to Secondary Plan approvals in Markham, Newmarket, Richmond Hill and Vaughan.

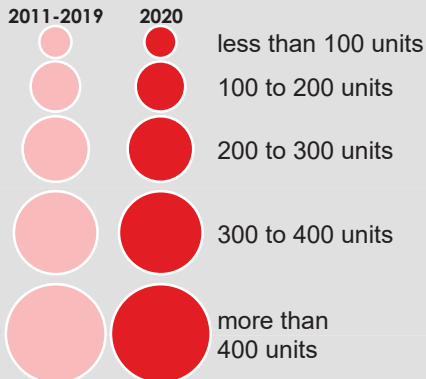
# CITY BUILDING IN YORK REGION

CENTRES &amp; CORRIDORS 2020 PROGRAM RESULTS | APRIL 2021

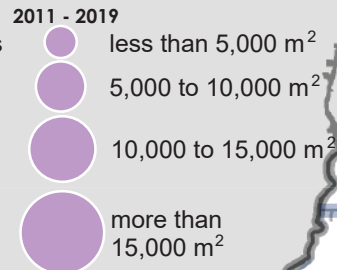
## YORK REGION

### RESIDENTIAL & COMMERCIAL DEVELOPMENT ACTIVITY IN CENTRES AND CORRIDORS

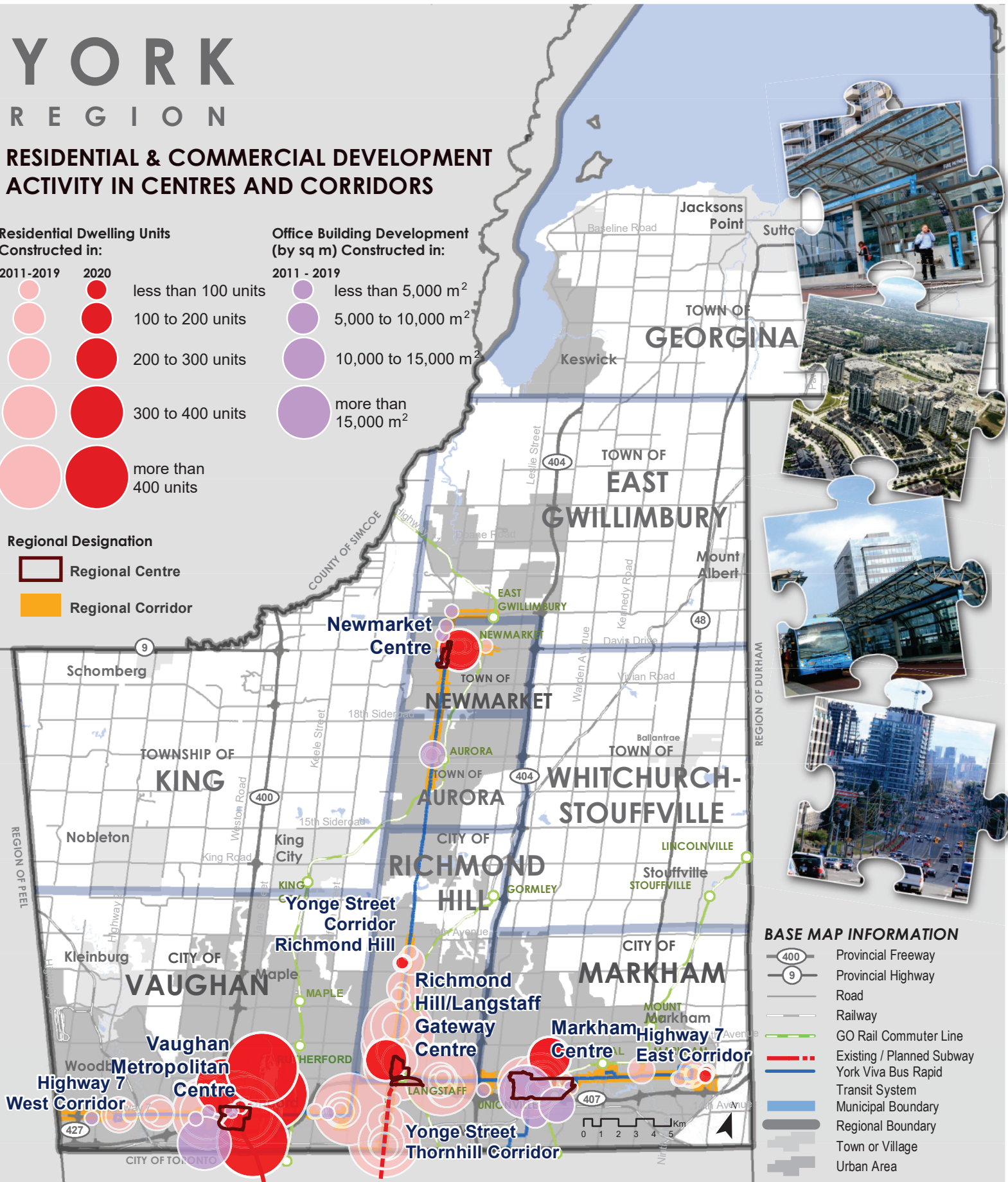
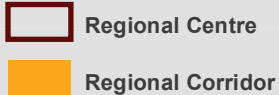
#### Residential Dwelling Units Constructed in:



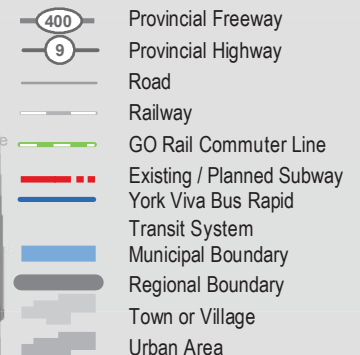
#### Office Building Development (by sq m) Constructed in:



#### Regional Designation



#### BASE MAP INFORMATION



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**From:** McPhail, Roxanne <[Roxanne.McPhail@york.ca](mailto:Roxanne.McPhail@york.ca)> **On Behalf Of** Regional Clerk  
**Sent:** Monday, April 26, 2021 8:16 PM  
**Subject:** Regional Council Decision - ventureLAB 2020 Results

**CAUTION:** This email originated from a source outside the City of Markham. **DO NOT CLICK** on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. The Regional Clerk circulate this report to the Ministry of Economic Development, Job Creation and Trade, ventureLAB and the local municipalities.

The original staff report is attached for your information.

Please contact Jonathan Wheatle, Director, Economic Strategy at 1-877-464-9675 ext. 71503 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Office of the Regional Clerk, Corporate Services

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# The Regional Municipality of York

Committee of the Whole  
Planning and Economic Development  
April 8, 2021

Report of the Commissioner of Corporate Services and Chief Planner

## ventureLAB 2020 Results

### 1. Recommendation

The Regional Clerk circulate this report to the Ministry of Economic Development, Job Creation and Trade, ventureLAB and the local municipalities.

### 2. Summary

This report provides Council with an update on ventureLAB's 2020 activities and results.

Key Points:

- In 2020, ventureLAB, York Region's provincially recognized Regional Innovation Centre continued to support economic impact and job growth through its services to the entrepreneurial tech community
- ventureLAB pivoted their services and programs to assist businesses across York Region during the COVID-19 pandemic

### 3. Background

#### **ventureLAB is York Region's provincially recognized Regional Innovation Centre**

ventureLAB is a not-for-profit organization that is part of a collaborative provincial innovation and entrepreneurship network called the Ontario Network of Entrepreneurs. The network includes 17 Regional Innovation Centres and 47 Small Business Enterprise Centres. The four Small Business Enterprise Centres located in York Region are in Markham, Richmond Hill, Newmarket (serves the northern six municipalities) and Vaughan.

This network of organizations across Ontario was designed to help entrepreneurs, businesses and researchers commercialize ideas. Regional Innovation Centres like ventureLAB provide a suite of programs and services spanning the full commercialization continuum from idea to market. A list of the 17 Regional Innovation Centres in Ontario is in Attachment 1.

ventureLAB's mandate extends across all nine municipalities in York Region, as well as Simcoe County and Muskoka District. This report addresses ventureLAB's activities as they pertain to York Region.

### **York Region has provided funding to ventureLAB to deliver business innovation and commercialization programming since 2011**

York Region is a founding member of ventureLAB and holds a seat on the Board of Directors. York Region has provided annual funding to ventureLAB since 2011, when it was founded. Other funders include the provincial and federal governments, the City of Markham, City of Vaughan, York University, Seneca College, Saint Elizabeth Health and several private firms.

ventureLAB is mandated as part of the provincial innovation network to advise and develop talented entrepreneurs to build world-class growth companies in Ontario. ventureLAB develops and delivers support programs and services that target technology-based entrepreneurs starting and growing global enterprises.

### **\$7 million in Government funding led to the official launch of two new signature programs**

ventureLAB leveraged funding from the federal government to launch two signature programs:

- **Hardware Catalyst Initiative (HCI):** Canada's only hardware and silicon focused lab and incubator. Funded in part through a \$5 million investment by the Government of Canada, through the Federal Economic Development Agency for Southern Ontario (FedDev Ontario), this competitive program enables small and medium-sized tech enterprises to accelerate commercialization while growing their businesses.
- **Tech Undivided:** A program that bridges gender and diversity gaps by better supporting women founders and leaders who are underrepresented within the tech sector. Just over \$2 million in funding was provided by the Government of Canada through the Federal Economic Development Agency for Southern Ontario, as part of the Women Entrepreneurship Strategy.

ventureLAB's program offerings cater to tech entrepreneurs at different stages of development with varying needs. Both programs have had tremendous results since launching in early 2020.

## **4. Analysis**

### **ventureLAB focused on continuing to deliver uninterrupted results and services for companies and partners during the COVID-19 pandemic**

The impact of the COVID-19 pandemic was felt across York Region and ventureLAB's clients were no exception. Companies that were on track for rapid growth in 2020 were forced to shift their priorities and pivot their companies and business models. In response to a changing work environment, ventureLAB launched a new Innovation Hub Membership model to support innovative tech start-ups and meet the demands of a hybrid and remote workforce. This model

was created to provide more flexibility for tech entrepreneurs, and to attract and support more tech start-ups throughout York Region who are looking for virtual opportunities for collaboration.

As part of its government relation strategy and response to the COVID-19 pandemic, ventureLAB worked quickly to reinforce its value as a trusted partner to federal and provincial governments, by:

- Holding regular briefings with senior-level decision makers, offering guidance on key challenges faced by Small and Medium Enterprises (SMEs) such as policy considerations to address those challenges, economic relief and recovery, innovation policy and intellectual property
- Providing a channel for entrepreneurs and business leaders to provide feedback and key insights directly to Ministers for webinar engagements, including Q&A with business leaders
- Advocating for and elevating the profile of York Region and its key economic development stakeholders

ventureLAB continues to work with business leaders, partners and government stakeholders to enable growth and sustainability of SMEs through York Region as they continue to navigate the impact of the COVID-19 pandemic.

### **In 2020, ventureLAB continued to demonstrate value to the Region's economy through program results**

Since 2011, York Region has provided about \$1.2 million in funding to ventureLAB. During this time, ventureLAB has helped 2,000 businesses create over 4,000 jobs in the Region, and supported York Region based companies to raise more than \$58 million in private and public investment. In 2020, ventureLAB engaged 112 York Region based companies through one-on-one advisory services. These companies also raised over \$9.9 million.

Highlights of the ventureLAB programming include:

- **Digital Main Street Community Collaboration Program:** As the delivery partner, ventureLAB worked with local Chambers of Commerce/Boards of Trade and the Small Business Enterprise Centres to execute innovation challenges to address business needs during the COVID-19 pandemic. A dynamic pitch competition was delivered at the annual Made in York Region event and the total prize money increased from \$10,000 to \$50,000 through funding from the provincial Digital Main Street program.
- **Made in York Region – Navigating the new reality:** this annual signature tech event ran via a virtual format this year, featuring panels, networking opportunities and technology showcases. The event attracted 472 registered attendees, 1,123 cumulative views, 21,711 sponsor impressions, and 46,655 social media impressions. Thirty virtual meetups and 715 conversations were facilitated.
- **Capital Investment Program:** This program is geared to companies who are ready to scale their businesses. In 2020, the program expanded nationally to support 45

companies. All ventureLAB supported companies successfully raised \$23.7 million in public and private funds, with York Region-based clients accounting for \$9.9 million (42%) in total funds raised.

- **Hardware Catalyst Initiative:** ventureLAB secured several leading equipment, design, and manufacturing partners to create an environment for Canadian-based hardware and semiconductor start-ups to accelerate commercialization. One company was selected from 300 applicants to receive a \$200,000 grant from Natural Sciences and Engineering Research Council (NSERC)

**Tech Undivided:** Launched in March 2020, 47 applications were received of which seven companies were selected for the first cohort, and five selected for the second cohort. The first cohort companies have created 24 new jobs, earned over \$1.5 million in revenue and raised over \$985,000 in capital. The second cohort launched in August 2020 generated five new jobs and over \$475,000 in new revenue. More than \$2 million in funding was received from FedDev for this program in 2020.

### **ventureLAB continued to support businesses from across York Region despite the COVID-19 pandemic impacts**

The overall number of business engagements declined in 2020 compared to 2019, reflecting the impact of the COVID-19 pandemic. A breakdown of business engagements per municipality is shown in Table 1.

**Table 1**  
**Client Engagements by York Region Municipalities in 2019 and 2020**

<b>Municipality</b>	<b>2019</b>	<b>2020</b>
Aurora	4	7
East Gwillimbury	0	0
Georgina	0	0
King	0	1
Markham	39	24
Newmarket	10	2
Richmond Hill	27	10
Vaughan	25	22
Whitchurch-Stouffville	2	3
<b>TOTAL</b>	<b>107</b>	<b>69</b>

In 2020 ventureLAB registered 131 new clients including 35 from York Region-based companies. A breakdown of registered clients per municipality is shown in Table 2.

**Table 2**  
**New Registered Clients by York Region Municipalities in 2019 and 2020**

Municipality	2019	2020
Aurora	3	4
East Gwillimbury	0	0
Georgina	0	0
King	0	1
Markham	21	13
Newmarket	7	1
Richmond Hill	15	3
Vaughan	13	12
Whitchurch-Stouffville	1	1
<b>TOTAL</b>	<b>60</b>	<b>35</b>

### **ventureLAB continued to administer the Entrepreneurship and Innovation Fund to support local businesses and community organizations**

The Entrepreneurship and Innovation Fund is administered by ventureLAB in collaboration with York Region. The fund was first launched in the fall of 2019 with an annual commitment of \$100,000. It continues to drive innovation and entrepreneurship throughout the Region by supporting high potential initiatives from early stage start-ups, accelerators, incubators and community partners. More than 140 applications were received in 2020 with 10 organizations moving forward to receive funding. A total of \$200,000 has been awarded to recipients since 2019 with an anticipated 121 jobs created or maintained. Funding is disbursed through three streams: Community Partners, Small Business & Entrepreneurs and a Pitch Competition. A full list of funding recipients for 2020 is found in Attachment 2.

## **5. Financial**

To support ventureLAB's growth needs and expanding services, the Region's approved 2020 budget included Core funding of \$150,000 and Entrepreneurship funding of \$100,000. The

budgeted amount remains the same for 2021. Currently, Regional funding accounts for 4% of ventureLAB's total public revenue which includes both core funding and program grants.

## 6. Local Impact

ventureLAB serves as an innovation and commercialization hub for technology companies in York Region across all nine local municipalities. ventureLAB delivers services and activities to businesses to promote economic success and growth of enterprises looking to commercialize products and services. These services complement the work of local economic development teams and supports overall network development which includes the four Small Business Enterprise Centres as well as innovation hubs and business accelerators across the Region. The City of Markham and City of Vaughan both provide annual funding to ventureLAB.

## 7. Conclusion

Regional Innovation Centres across the province, including ventureLAB, continue to support development and delivery of support programs and services that target technology-based entrepreneurs seeking to start or grow a business. ventureLAB is a key delivery partner with the Region and plays a critical role with innovation initiatives that will help drive Regional economic growth and job creation.

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For more information on this report, please contact Jonathan Wheatle, Director, Economic Strategy at 1-877-464-9675 ext. 71503. Accessible formats or communication supports are available upon request.

Recommended by:



**Paul Freeman, MCIP, RPP**  
Chief Planner



**Dino Basso**  
Commissioner of Corporate Services

Approved for Submission:



**Bruce Macgregor**  
Chief Administrative Officer

March 26, 2021  
Attachments (2)  
12579570

**ATTACHMENT 1****List of 17 Regional Innovation Centres across Ontario**

<b>Name</b>	<b>Location (City/Region)</b>
Communitech	Waterloo
HalTech Innovation Centre	Halton
Innovation Initiatives Ontario North (IIION)	North Bay
Innovate Niagara	Niagara
Innovation Factory	Hamilton
Innovation Guelph	Guelph
Invest Ottawa	Ottawa
Launch Lab	Kingston
MaRS	Toronto
Northern Centre for Advanced Technology (NORCAT)	Sudbury
Northwestern Ontario Innovation Centre	Thunder Bay
RIC Centre	Mississauga
Sault Ste. Marie Innovation Centre	Sault Ste. Marie
Spark Centre	Durham
TechAlliance of Southwestern Ontario	London
ventureLAB	York Region, Simcoe County & Muskoka District
We-Tech Alliance	Windsor

**ATTACHMENT 2****2020 Entrepreneurship & Innovation Funding Recipients****Stream 1: Community Partners**

<b>Business Name</b>	<b>Project Description</b>	<b>Funding Received</b>	<b>Business Location</b>
York Angels	Educational series specifically designed to reach and foster female investors	\$10,000	Markham
York Farm Fresh Association	Digitizing the York Farm Fresh Guide Map into a multilingual mobile app. This is a partnership between 38 Farm businesses, farmers market members and the York Region Food Network.	\$10,000	Newmarket

**Stream 2: Small Business & Entrepreneurs**

<b>Business Name</b>	<b>Project Description</b>	<b>Funding Received</b>	<b>Business Location</b>
Bionic-I	Patent pending implantable sterilizable optics with circuitry	\$15,000	Markham
Phyxable	Online solution for physiotherapy, chiropractic and occupational therapy with end-to-end virtual rehabilitation platform	\$15,000	Markham
Studio 1 Labs	Supply PPE fabrics to Government of Canada, and modernizing education	\$15,000	Markham

	with remote tools for real-time feedback from professors and students		
TakuLabs	A flexible and cost-effective unified commerce platform for established or growing retailers	\$15,000	Toronto
TIEIT Ai	View CRM, marketing analytics, finance and sales with TIEiT's built in applications	\$15,000	Newmarket

### Stream 3: Pitch Competition

Business Name	Project Description	Funding Received	Business Location
EAIGLE Inc	AI-Powered crowd temperature, mask compliance analysis	\$25,000	Markham
Wrmth	Heated chairs suitable for outdoor dining	\$15,000	Coldwater
InField Solutions	Safe and easy parcel/food delivery solution	\$10,000	Markham

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**From:** McPhail, Roxanne <[Roxanne.McPhail@york.ca](mailto:Roxanne.McPhail@york.ca)> **On Behalf Of** Regional Clerk  
**Sent:** Monday, April 26, 2021 8:18 PM  
**To:** Fernando Lamanna <[flamanna@eastgwillimbury.ca](mailto:flamanna@eastgwillimbury.ca)>; Gillian Angus-Traill <[gillian.angus-traill@townofws.ca](mailto:gillian.angus-traill@townofws.ca)>; Kathryn Moyle <[kmoyle@king.ca](mailto:kmoyle@king.ca)>; Kitteringham, Kimberley <[KKitteringham@markham.ca](mailto:KKitteringham@markham.ca)>; Lisa Lyons <[llyons@newmarket.ca](mailto:llyons@newmarket.ca)>; Michael de Rond <[mderond@aurora.ca](mailto:mderond@aurora.ca)>; Rachel Dillabough <[rdillabough@georgina.ca](mailto:rdillabough@georgina.ca)>; Stephen Huycke <[stephen.huycke@richmondhill.ca](mailto:stephen.huycke@richmondhill.ca)>; Todd Coles <[todd.coles@vaughan.ca](mailto:todd.coles@vaughan.ca)>  
**Subject:** Regional Council Decision - Growth and Development Review 2020

**CAUTION:** This email originated from a source outside the City of Markham. **DO NOT CLICK** on any links or attachments, or reply unless you recognize the sender and know the content is safe.

On April 22, 2021 Regional Council made the following decision:

1. The Growth and Development Review 2020 be circulated by the Regional Clerk to the local municipalities for information.

The original staff report is attached for your information.

Please contact Paul Bottomley, Manager, Policy, Research and Forecasting at 1-877-464-9675 ext. 71530 if you have any questions with respect to this matter.

Regards,

**Christopher Raynor** | Regional Clerk, Office of the Regional Clerk, Corporate Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 71300 | [christopher.raynor@york.ca](mailto:christopher.raynor@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

# The Regional Municipality of York

Committee of the Whole  
Planning and Economic Development  
April 8, 2021

Report of the Commissioner of Corporate Services and Chief Planner

## Growth and Development Review 2020

### 1. Recommendation

The Growth and Development Review 2020 be circulated by the Regional Clerk to the local municipalities for information.

### 2. Summary

The Growth and Development Review 2020 provides Council with key development and population indicators in York Region and reports on the competitiveness of York Region's economy within the Greater Toronto and Hamilton Area (GTHA), the Province and Canada.

Key Points:

- In early 2020, the COVID-19 pandemic led to a broad shutdown of economic activity in York Region. The impact was significant throughout the year and continues. The residential sector was less impacted than industrial and commercial sectors.
- Sectors of the economy hardest hit in 2020 were retail, transportation services, food and accommodation services, recreation and cultural services and manufacturing businesses, representing approximately 33% of businesses in York Region.
- Key growth and development highlights from 2020 include:
  - York Region's population grew by 11,100 or 0.9%
  - Residential building permits were issued for 5,832 dwelling units in 2020, representing a 25% increase from 2019
  - Housing completions in York Region increased in 2020 by 19.7% to 6,339 compared to 5,294 in 2019, while 10,400 units were under construction
  - Total construction value for Industrial, Commercial and Institutional (ICI) building permits decreased by 46% from 2019 values, from \$1.26 billion to \$-674.3 million
  - The Region's 2020 unemployment rate ranged from a low of 3.6%, prior to the pandemic, to a high of 13.7% due to the impacts of the COVID-19 pandemic, and ended the year at 8.0%

- All five major Canadian banks predict economic growth will resume in 2021. This depends on how quickly the COVID-19 pandemic can be controlled

### 3. Background

#### **Annual Growth and Development Review report provides a broad perspective on important economic indicators**

Since 1995, York Region has published a Growth and Development Review report each year. The report highlights key economic indicators which illustrate general trends in the economy.

The 2020 report includes information on:

- Economic growth
- Population growth
- Residential market and building activity
- Industrial, commercial and institutional market and building activity, and
- Overall construction value

Data for this review is sourced from Statistics Canada, Canada Mortgage and Housing Corporation, Toronto Regional Real Estate Board (TRREB) and private firms which publish documents summarizing key trends within the GTHA and beyond.

### 4. Analysis

#### **The COVID-19 pandemic caused a broad slow down of economic activity, however recovery is expected in 2021 and 2022**

Globally, the COVID-19 pandemic caused a broad slow down of economic activity that is virtually without precedence. In 2020, businesses closed, both temporarily and permanently, workers stayed home, travel bans were put in place and unemployment rates increased.

According to the International Monetary Fund (IMF), the Global, U.S. and Canadian economies declined significantly in 2020 due to the COVID-19 pandemic by -3.5%, -3.4% and -5.5% respectively. The Ontario economy declined by -6.2%. Current forecasts anticipate a recovery in 2021 and 2022, with strong levels of growth as highlighted in Table 1. This depends on how quickly the spread of COVID-19 can be controlled and how fast the economy can rebound.

**Table 1**  
**Economic Growth (shown as % change of Real GDP)**

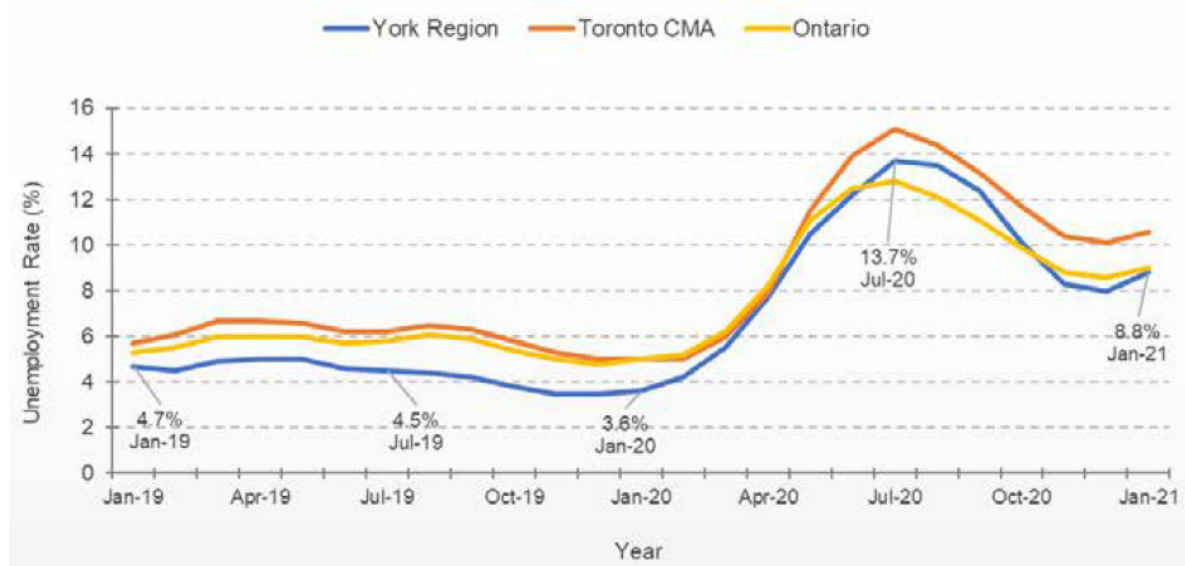
	Ontario	Canada	U.S.	Global
2019	1.6	1.9	2.2	2.8
2020	-6.2	-5.5	-3.4	-3.5
2021	5.6	3.6	5.1	5.5
2022	4.1	4.1	2.5	4.2

Source: International Monetary Fund (Jan 2021) and TD Provincial Outlook (Jan 2021)

### Canada, Ontario and York Region had record job losses in 2020

The Canadian economy shed a record number of jobs in 2020. At its peak, over 1.1 million jobs were shed across the country. The year ended with 589,500 fewer jobs in Canada, for an overall total of approximately 18.5 million. Ontario jobs decreased the most in 2020, by 237,700, for a new total of 7.24 million. York Region's economy also slowed down, with total employment decreasing by approximately 8.4% from 2019 to 599,700. The decrease in total jobs and the weak economy in 2020 resulted in some of the highest unemployment rates on record for York Region, starting the year at 3.6%, peaking at 13.7% in July 2020 and ending 2020 at 8.0%. There was likely a recovery in total York Region employment in the later part of the year given the rebound in the employment rate. The January 2021 increased unemployment rate of 8.8% is attributed to the reinstatement of Provincial lockdowns (Figure 1).

**Figure 1**  
**Unemployment Rates (%) for York Region, Toronto CMA and Ontario**



Prior to the current economic downturn, York Region's employment activity rate had been increasing steadily, exceeding the Regional Official Plan target of 50%. The activity rate stood at 54% in 2019 and decreased to 49% in 2020. The activity rate is the ratio of total employment to total population which is different from the live work ratio that measures the percentage of York Region's labour force that both live and work in the Region, as reported in the York Region Official Plan Monitoring Report.

### **Canada, Ontario and York Region economies will continue to be impacted by the COVID-19 pandemic in 2021**

The broad shutdown of global economic activity has dramatically impacted Canadian, Ontario and York Region economies. Hardest hit sectors include retail, transportation services, food and accommodation services, recreation and cultural services, and manufacturing businesses. In York Region, these industries represent approximately 33% of all businesses and 207,500 jobs (32%), based on data from the 2019 York Region Employment Survey.

There is significant uncertainty among economic forecasts given the unprecedented nature of this pandemic. All five major Canadian banks predict economic growth will resume in 2021 following a historically steep downturn which saw Canada's Growth Domestic Product (GDP) shrink by 5.5% in 2020. GDP forecasts from all five banks for 2021 and 2022 range from between 3.2% to 5.6% per year, showing that recovery is expected during both years, but the rate of growth is uncertain.

TD Economics predicts the Ontario economy will increase by 5.6% in 2021 and the economy and employment will continue to recover in 2022, with GDP growth of 4.1%, as measures to stop the spread of COVID-19 are eased. Ontario is expected to fare better than other parts of Canada, as pent up consumer demand and savings, along with large investments announced in the auto industry (Oshawa GM plant to build electric vehicles) and provincial infrastructure (public transit and highway expansions) increase spending confidence and growth prospects.

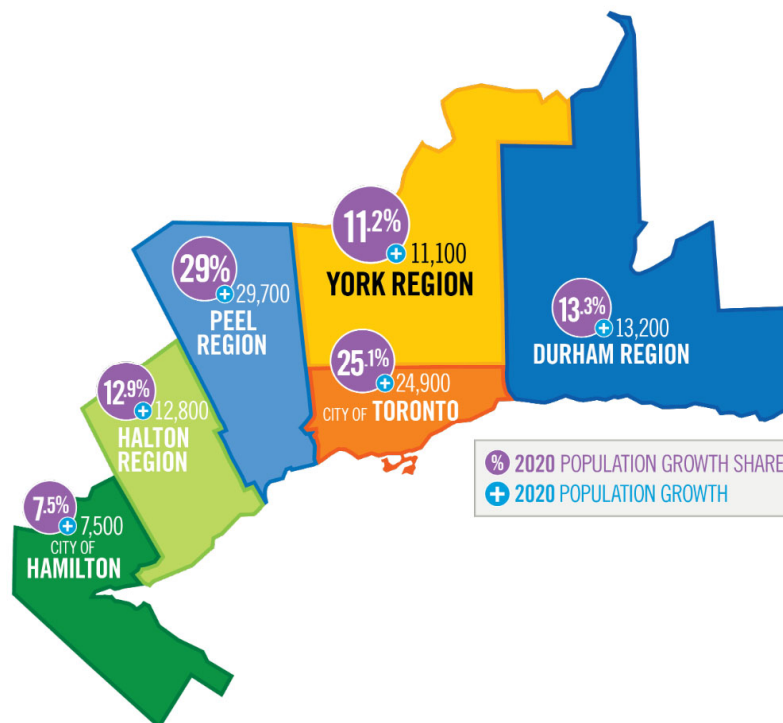
As the economy recovers, TD Economics forecasts call for a decrease in the Ontario unemployment rate in 2021 to 7.5% and to 5.9% in 2022, from a level of 9.6% in 2020. York Region's unemployment rate is anticipated to decline from 8% in 2020 to 5.7% in 2021 and 5.3% in 2022 based on projections done by the Conference Board of Canada.

### **York Region's population grew by 11,100 in 2020, accounting for 11.2% of GTHA growth**

The provincial Growth Plan includes a forecasted population target of 2,020,000 in 2051 for York Region. Annual growth of 26,130 is required to reach the 2051 Growth Plan forecast. This compares to annual growth of 24,700 people recorded over the last 30 years, a comparable time period.

It is estimated that York Region's population grew by just over 11,000 (0.9%) in 2020 to 1,213,600 people. Coincidentally, this is similar to the growth rate of 1.0% and 11,100 people recorded in 2019.

**Figure 2**  
**Population Growth and % Share by GTHA Municipality for 2020**



Source: York Region Planning and Economic Development Branch

York Region's growth of 11,100 people represents an 11.2% share of GTHA growth in 2020, an increase from its 2019 share of 9.0%. The shares of population growth for all GTHA municipalities (Figure 2) increased over the previous year, except for the City of Toronto, whose share of growth dropped from 35.3% in 2019 to 25.1% in 2020.

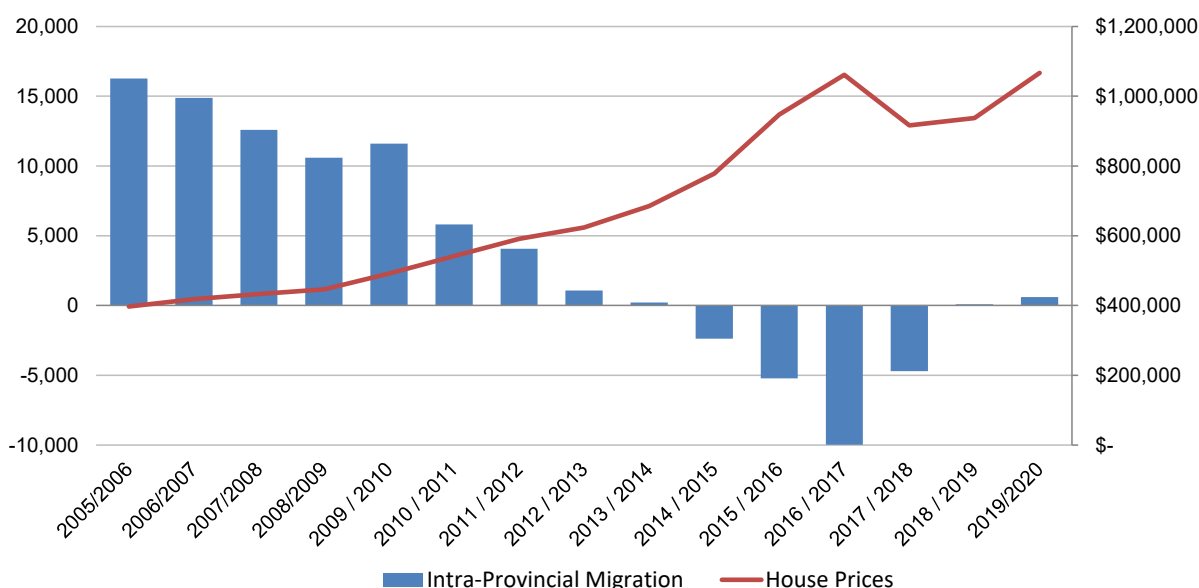
Almost all municipalities within York Region experienced growth in 2020 with Vaughan and Markham recording the greatest increases in population of approximately 5,300 and 2,200 respectively. East Gwillimbury experienced the highest rate of growth in York Region at 3.5% or 1,200 people.

### **Housing costs are a contributing factor to lower annual population growth in York Region**

York Region's annual population growth decreased during the past 5 years, to an average annual growth of 14,600 people. This compares to the previous 5-year periods where average annual growth was higher at 15,800 between 2010 and 2015 and 28,700 annually between 2005 and 2010. There are many factors contributing to the slower pace of growth including the delivery of infrastructure, the length of time for planning approvals for large secondary plan areas and increasing housing affordability challenges, among others.

Statistics Canada data on net intra-provincial migration flows, which measures the difference between the number of Ontario residents moving in and out of a municipality, illustrate York Region recorded a net loss of intra-provincial migrants over the last 5 years. Levels of net immigration, net inter-provincial migration and net non-permanent residents have remained relatively consistent over this time period. Further analysis shows a correlation between the net loss of intra-provincial migration in York Region and the increasing overall average cost of housing, as depicted in Figure 3.

**Figure 3**  
**2005 to 2020 - Net Intra-provincial Migration and**  
**Average Annual Resale House Prices in York Region**



Source: York Region Planning and Economic Development Branch and Statistics Canada

### **Average housing prices for all resale units in York Region increased in 2020 by 13.8%, higher than the GTA average of 11.9%**

The residential resale housing market continued to grow in York Region in 2020 with 16,636 resale units sold, an increase of 16.1% from 2019. In York Region, the average cost of a resale residential unit (all dwelling types) in 2020 was \$1,067,134, a 13.8% increase (Table 2), while a resale single detached unit increased by 13.5% to \$1,271,276 compared to \$1,120,297 in 2019. Townhouse units recorded the second strongest increase in average price at 12.6% year over year.

Average housing prices across the Greater Toronto Area (GTA) increased in 2020 by 11.9% to \$929,699, higher than the growth of 3.8% recorded in 2019. York Region's average resale housing price (all dwelling types) was 14.8% higher than the GTA average in 2020 of \$1,067,134.

**Table 2**  
**Total Number of Housing Resales and Average Housing Price in York Region,**  
**2019 and 2020 (all dwelling types)**

	Housing Resales			Average Housing Price		
	2019	2020	Change (%)	2019	2020	Change (%)
Aurora	962	1,128	17.3%	\$905,872	\$1,053,296	16.3%
East Gwillimbury	586	641	9.4%	\$799,426	\$940,147	17.6%
Georgina	809	1,086	34.2%	\$568,143	\$679,855	19.7%
King	315	524	66.3%	\$1,380,466	\$1,625,463	17.7%
Markham	3,658	3,974	8.6%	\$949,536	\$1,070,822	12.8%
Newmarket	1,355	1,664	22.8%	\$777,589	\$890,078	14.5%
Richmond Hill	2,614	2,869	9.8%	\$1,039,433	\$1,156,881	11.3%
Vaughan	3,324	3,934	18.4%	\$993,787	\$1,131,778	13.9%
Whitchurch-Stouffville	701	816	16.4%	\$923,762	\$1,058,805	14.6%
<b>York Region Total</b>	<b>14,324</b>	<b>16,636</b>	<b>16.1%</b>	<b>\$937,546</b>	<b>\$1,067,134</b>	<b>13.8%</b>

Source: Toronto Regional Real Estate Board, Market Watch, 2020

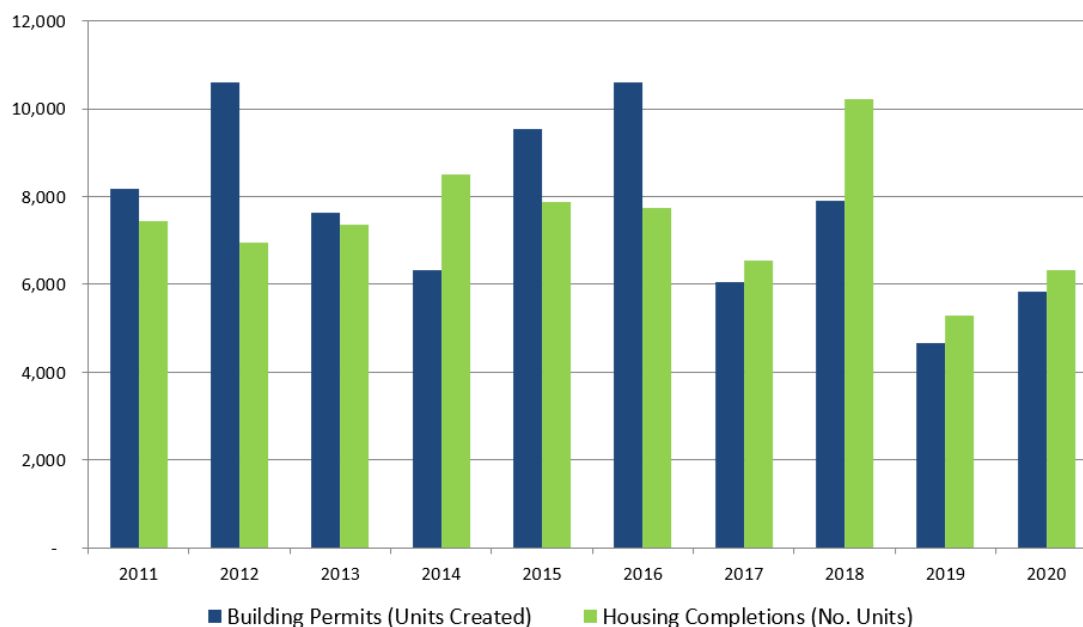
### **Higher residential building permits were recorded in 2020, increasing by 33% across the GTHA**

Trends in new housing activity can be assessed by looking at building permit activity and housing completions. Building permits show construction underway (or soon to be underway), while housing completions provide a record of units recently occupied, or ready to be occupied.

Across the GTHA, total building permits issued increased by 32.7% in 2020. The increase occurred across all GTHA municipalities except Peel Region (-8.4%) and was most significant in the Regions of Halton and Durham, where the annual growth rates increased by 97.7% and 82.5% respectively. In York Region, residential building permits were issued for 5,832 new dwelling units in 2020, representing a 24.9% increase from the 2019 total of 4,669 units (Figure 4).

Housing completions in the Region increased in 2020 by 19.7% to 6,339 (Figure 4) from 5,294 completions in 2019. York Region continues to be the third largest contributor to GTHA development activity accounting for an 11% share of 2020 GTHA residential building permit activity.

**Figure 4**  
**York Region Residential Building Permits and Housing Completions**  
**2011 - 2020**



Source: Local Municipal Building Reports and Canada Mortgage and Housing Corporation

### **Despite the COVID-19 pandemic, development activity increased by 3% and number of proposed residential units increased by 111% in 2020**

Despite the COVID-19 pandemic, overall development activity increased 3% compared to 2019. York Region received 464 new development applications for review with a total of 19,418 proposed residential units, which is a 111% increase from 2019 (9,204). Registration of plans of subdivision and condominium increased by 278% in 2020, with 8,232 registered units. The total 111% increase in proposed residential units indicates an upward development trend.

The increased proposed residential units received as part of draft plan of subdivision and site plan applications is a key indicator of strong development activity. The Region has a healthy residential inventory of dwelling units in the development review process and trends indicate that growth within the Region is anticipated to continue in 2021 and beyond.

### **Industrial and commercial construction values decreased by 46% from 2019 and total Industrial, Commercial and Institutional construction value was lower than the ten-year average**

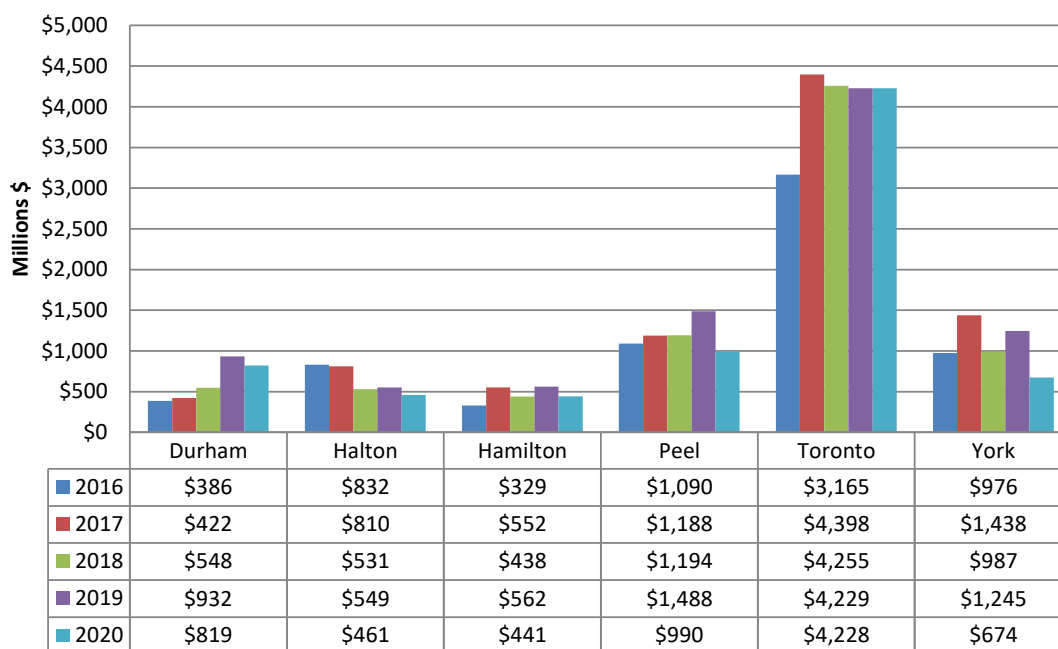
The total Industrial, Commercial, Institutional (ICI) construction value for 2020 was \$674 million, 45.8% lower than the 2019 value (Figure 5). All industrial, commercial and institutional construction values in York Region decreased from 2019 figures. The 2020 annual ICI value is below both the five year (\$1,059M) and ten-year average ICI value

(\$990M). Decreases in ICI values were observed across all GTHA municipalities and can be attributed to the overall economic slowdown caused by the COVID-19 pandemic. Within York Region, Vaughan's share of ICI construction accounted for over 57% of the total value in 2020.

Notable ICI projects for which building permits were issued in 2020 contributing to the overall ICI permit values included a \$52 million industrial development in Vaughan, a \$25 million nursing home development in Markham and a \$24 million elementary school and library development in Aurora.

Within the GTHA, York Region accounted for almost 9% of the total ICI construction values for 2020 (Figure 5). Overall, the GTHA recorded a 15.5% decrease in the value of ICI construction from 2019, with York Region experiencing the largest decrease at 45.8%. Toronto ICI values remained similar to 2019 levels, decreasing only slightly by 0.02% to \$4.23B.

**Figure 5**  
**GTHA Industrial, Commercial and Institutional**  
**Construction Values 2016 - 2020**

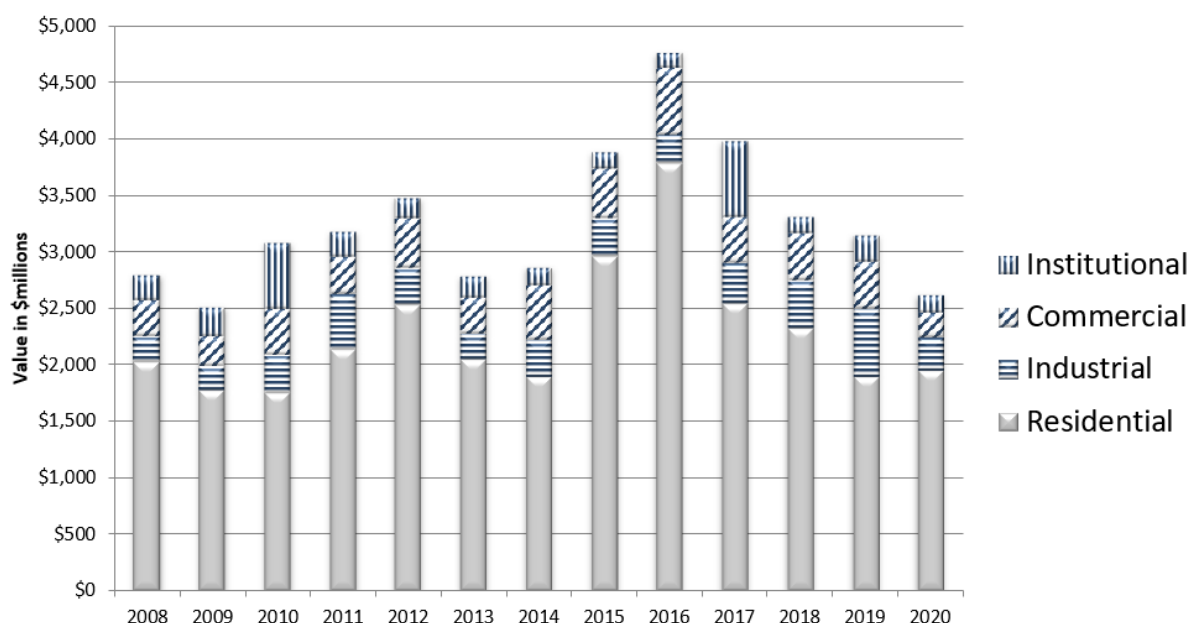


Source: Local Municipal Building Reports and Statistics Canada

### **2020 total estimated value of construction of \$2.63 billion is the lowest value since the recession of 2008/09**

The total estimated value of construction in 2020 was approximately \$2.63 billion, compared to \$3.16 billion recorded in 2019, a decrease of 16.8% (Figure 6). Total construction value, including residential and non-residential values, is important as it correlates with the new development component of tax assessment growth over subsequent years.

**Figure 6**  
**York Region Construction Value by Type 2008 - 2020**



Source: Local Municipal Building Reports and Statistics Canada

### **York Region's economic activity and population growth continues to contribute to the provincial and national economies**

York Region ranked 9<sup>th</sup> in 2020 for total value of ICI construction across Canada. Within the GTHA, York Region ranked 4<sup>th</sup> for the value of ICI construction behind Toronto, Peel and Durham. York Region continues to be one of Canada's faster growing municipalities, however the economic impact of the COVID-19 pandemic has slowed population growth and impacted employment growth during 2020.

Total employment is estimated to have declined by 8.4% in York Region in 2020. Population growth for the Region was also one of the lowest rates on record at 0.9%, compared to the ten-year average of 1.3%. The entire population of Ontario grew by 1.3% in 2020. The Growth Plan forecasts indicate York Region is anticipated to accommodate the largest absolute amount of population and employment growth in all of Ontario between 2016 and 2051.

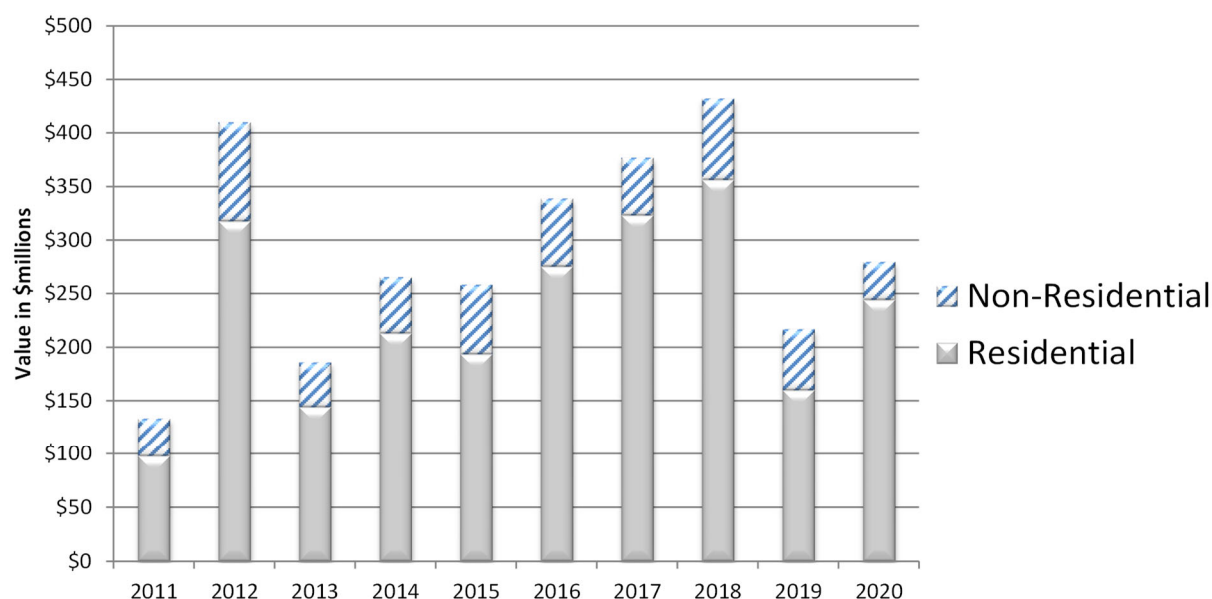
The COVID-19 pandemic is having a dramatic impact on the global economy and our local economy. The repercussions on York Region's economy in early 2021 and throughout will be significant and staff will continue to monitor the resulting impacts going forward.

## **5. Financial**

Development Charges (DCs) are a major source of funding for the Region's Capital Plan. Regional DCs are collected when a building permit is issued, and in many cases when a plan

of subdivision is registered. The total Regional DCs for 2020 (\$279.4 million) was higher than the 2019 DC collections (\$216.7 million) (Figure 7).

**Figure 7**  
**York Region Development Charges Collected 2011 - 2020**



The economic indicators presented in this report will assist Council to effectively monitor, evaluate and respond to variations in the Region's economic landscape.

## 6. Local Impact

Regional economic indicators are important for evaluating economic trends across the Region. The Growth and Development Review 2020 report provides local municipal economic development and planning officials with a summary of York Region's economy. The information is used as a basis for informing decision making, devising strategies, and attracting new businesses to the Region.

## 7. Conclusion

The Growth and Development Review 2020 reports on key performance measures and highlights York Region as a destination to live, work and play. In 2020, York Region continued to demonstrate growth in population, construction value and the housing market. Employment growth is forecast to occur in both 2021 and 2022. In 2022, total employment is expected to return to the level it was before the COVID-19 pandemic began. York Region continues to contribute to the provincial and national economies, ranking within the top ten municipalities related to:

- The Region's contribution to Canada's total population
- Number of residential building permits issued
- Value of new industrial, commercial and institutional construction
- Value of total construction (ICI and residential combined)

The COVID-19 pandemic and related closures are having a dramatic impact on the global economy. The impact on York Region's economy in 2020 has been severe. It is anticipated there will be a slow, phased approach to getting people back to work and a normal routine, based on the advice of public health and safety professionals.

The attached Growth and Development Review 2020 report will be posted on the Region's website for use by municipalities and agencies, local chambers of commerce and boards of trade and the public.

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For more information on this report, please contact Paul Bottomley, Manager, Policy, Research and Forecasting at 1-877-464-9675 ext. 71530. Accessible formats or communication supports are available upon request.



Recommended by:

**Paul Freeman, MCIP, RPP**  
Chief Planner



**Dino Basso**  
Commissioner of Corporate Services



Approved for Submission:

**Bruce Macgregor**  
Chief Administrative Officer

March 26, 2021  
Attachment (1)  
12616733

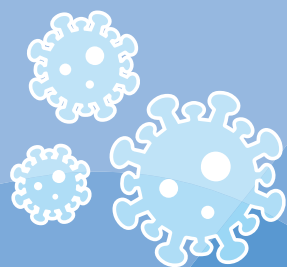
# 2020 **GROWTH** AND **DEVELOPMENT** REVIEW

APRIL 2021



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**In early 2020, the COVID-19 pandemic lead to a broad shutdown of economic activity in York Region, Ontario and Canada.**

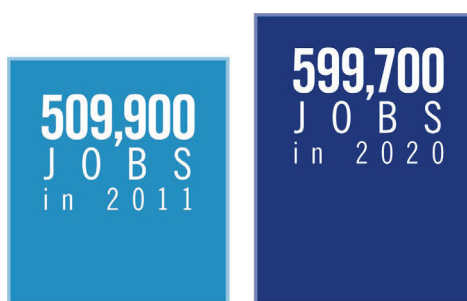
- › Canada lost over **one million jobs** in March alone, the largest monthly employment decline ever
- › Especially hard hit sectors of the economy include transportation services, food and accommodation services, recreation and cultural services and manufacturing businesses
- › In York Region, these industries alone represent approximately **33%** of all businesses and **207,500 jobs**, based on data from the 2019 York Region Employment Survey

# 2020 HIGHLIGHTS

## EMPLOYMENT and ECONOMY

- › After growing by 2% in 2019, the Canadian economy declined by 5.5% in 2020 due to the economic recession caused by the COVID-19 pandemic
- › The U.S. economy, by far Canada's largest trading partner, declined by 3.4% in 2020
- › Efforts by central banks to stimulate economies through near-zero interest rates and direct payments to citizens and business owners have helped the Canadian and U.S. economies, but both economies have recorded significant job losses (621,300 jobs in Canada, 8,829,000 jobs in the U.S. in 2020). After some recovery through the summer and fall, there is evidence that growth has slowed again in December 2020 and January 2021

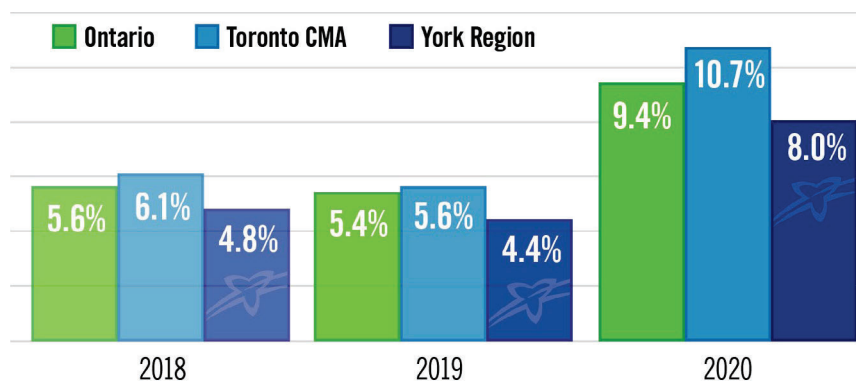
### YORK REGION TOTAL EMPLOYMENT - 2011 and 2020



Source: York Region, Corporate Services, Long Range Planning and Statistics Canada, Labour Force Survey

- › York Region's economy recorded uninterrupted job growth between 2001 and 2019, but jobs decreased in 2020, with employment dropping from 654,648 to an estimated 599,700 jobs. In 2020, the Region had approximately the same number of jobs as in 2015

### YORK REGION UNEMPLOYMENT RATE - 2018 to 2020



Source: York Region, Corporate Services, Long Range Planning and Statistics Canada, Labour Force Survey

- › York Region's unemployment rate was 4.4% at the end of 2019, lower than the Toronto CMA and Ontario rate. Due to the COVID-19 pandemic, York Region's unemployment rate increased to 13.7% (July) before declining to 8% by the end of 2020. There was likely a recovery in total York Region employment in the later part of 2020 given the rebound in the employment rate.

# 2020 HIGHLIGHTS

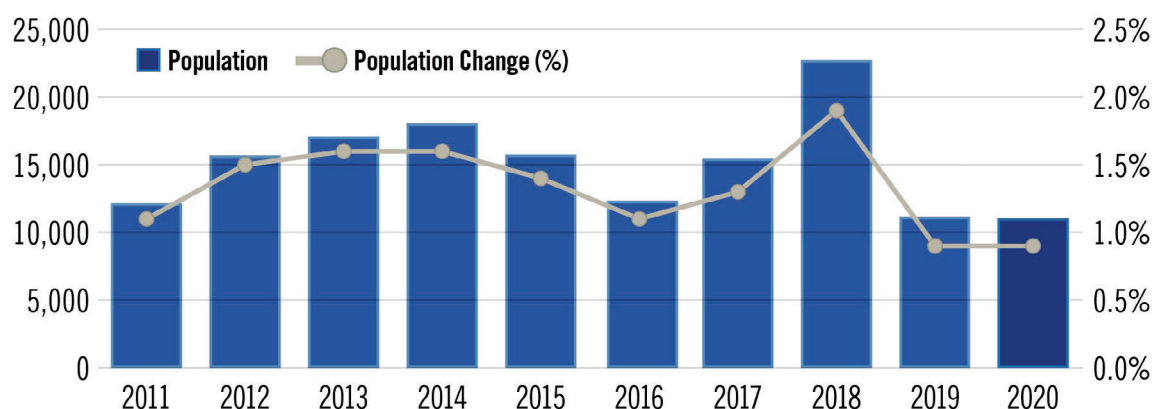
## POPULATION GROWTH



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**YORK REGION was the SIXTH MOST POPULOUS MUNICIPALITY in CANADA by YEAR-END.**

### YORK REGION ANNUAL POPULATION GROWTH - 2011 to 2020



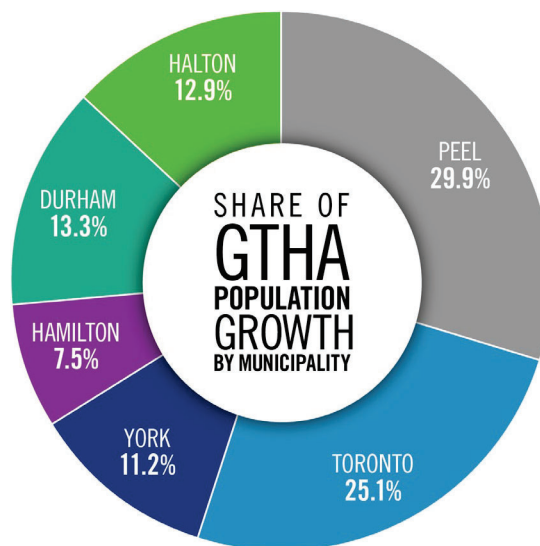
Source: York Region, Corporate Services, Long Range Planning

York Region's population growth has slowed significantly, and has been under 1% a year for 2019 and 2020. This differs from the **3 to 4%** growth in the early 2000s, and the **1 to 1.5%** growth rate experienced after the 2008 recession.

- › In 2020, York Region had a **15.8% share of the GTHA's total population**. York Region's share of the GTHA's population growth was **11.2%**

This was higher than the 2019 figure of 8.5%, but was lower than in the preceding decade (which averaged 19.8% between 2010 and 2020)

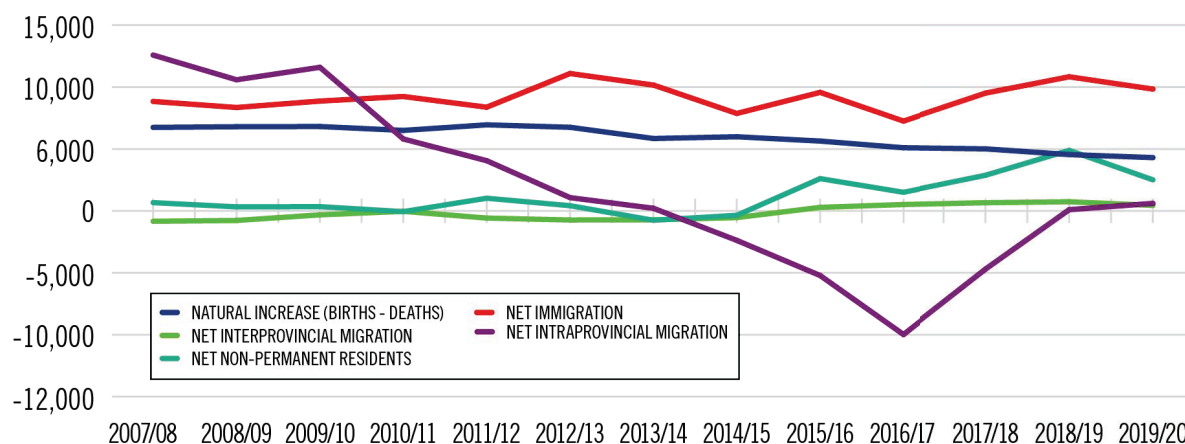
### YORK REGION ANNUAL POPULATION GROWTH - 2019 to 2020



## 2020 HIGHLIGHTS POPULATION GROWTH

**IN RECENT YEARS, more ONTARIANS have MOVED OUT of YORK REGION than MOVED IN.**

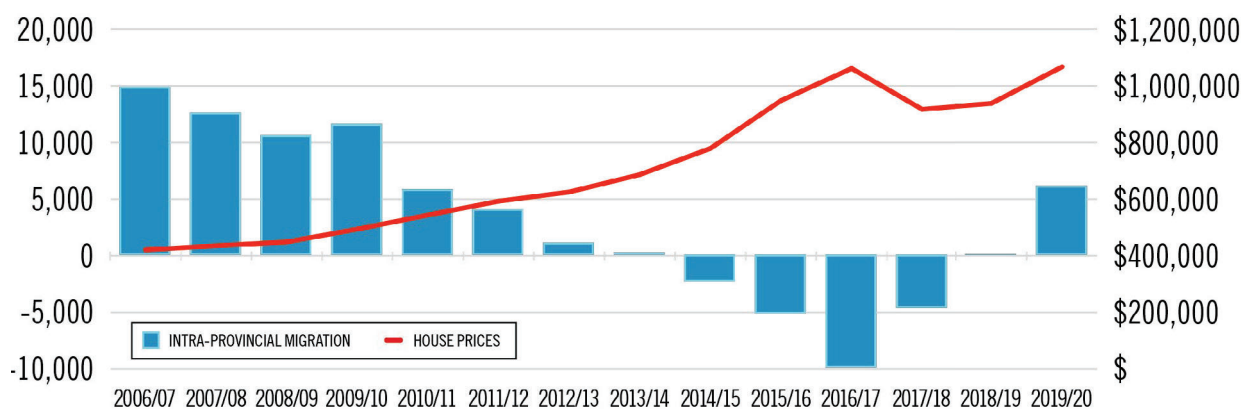
**COMPONENTS of POPULATION GROWTH in YORK REGION - 2007 to 2020**



Source: Statistics Canada

Overall, natural increase has declined slightly, in line with national trends. York Region is largely growing through net immigration, natural increase, and net non-permanent immigration. In most recent years, more Ontarians moved out of York Region than moved in (although in 2020, the population flow was even).

**NET INTRA-PROVINCIAL MIGRATION and AVERAGE ANNUAL HOUSE PRICES in YORK REGION - 2005 to 2020**



Source: Statistics Canada and York Region, Corporate Services, Long Range Planning

There appears to be a strong relationship between net intra-provincial migration to York Region and home prices. As home prices have risen dramatically, net intra-provincial migration has fallen.

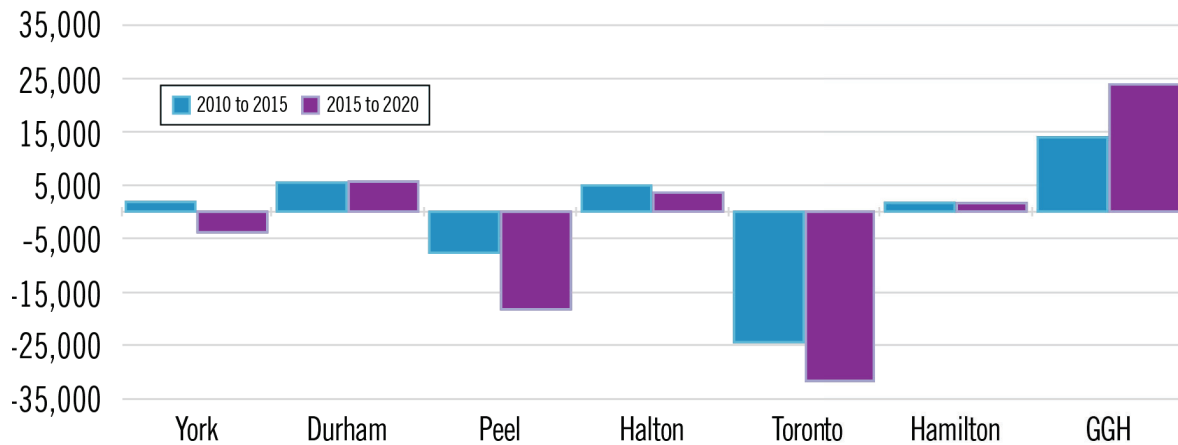
- › According to the Toronto Real Estate Board, average housing prices for all resale units in York Region increased by 13.8% from \$937,546 to \$1,067,135. The largest growth occurred in the municipalities of King, East Gwillimbury, and Georgina, where annual increases reached 17 to 18%
- › Housing prices in adjacent jurisdictions of York Region should be continually analyzed to assess whether demand for these areas is sustained in coming years

## 2020 HIGHLIGHTS POPULATION GROWTH

**FROM 2010 to 2015, MORE ONTARIO RESIDENTS MOVED into YORK REGION than MOVED OUT.**

**NET INTRA-PROVINCIAL MIGRATION to and from YORK REGION and SURROUNDING COUNTIES**

2010 to 2015 and 2015 to 2020



Source: Statistics Canada and York Region, Corporate Services, Long Range Planning

Between 2010-2015, more residents of Ontario moved into York Region than York Region residents moved to other locations in Ontario. This trend reversed between 2015 and 2020.

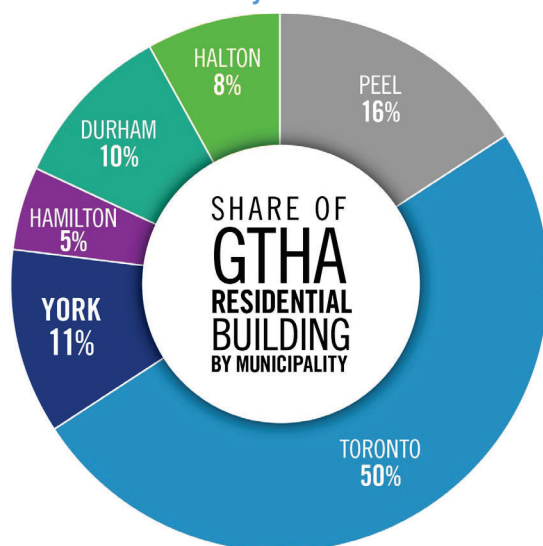
# 2020 HIGHLIGHTS

## DEVELOPMENT



### YORK REGION CONTINUES to be a STRONG CONTRIBUTOR to GTHA DEVELOPMENT ACTIVITY

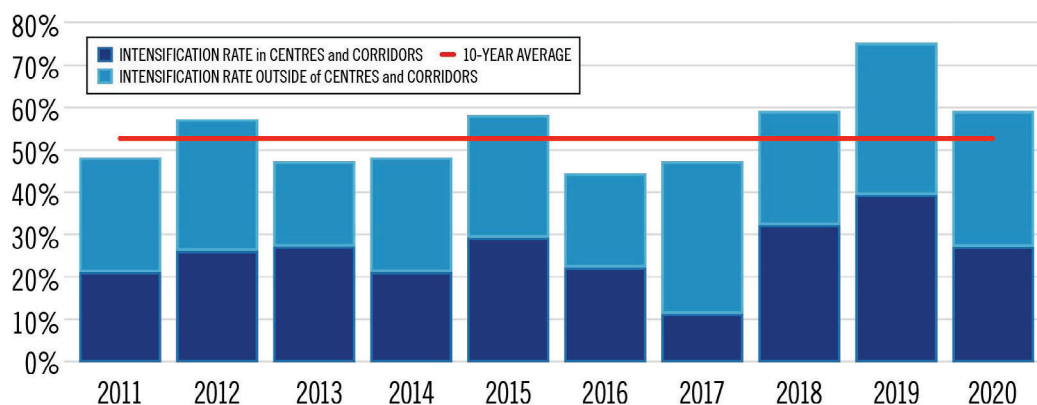
#### GROWTH YORK REGION ANNUAL SHARE of GTHA RESIDENTIAL BUILDING ACTIVITY by MUNICIPALITY - 2020



Source: Local Municipal Building Permit Reports, 2020; Statistics Canada Table 32.2 (unpublished), 2020

- › York Region continues to be a strong contributor to Greater Toronto and Hamilton Area (GTHA) development activity, accounting for 11% of the GTHA's residential building permit activity, behind both Toronto (50% of the region's activity) and Peel Region (16%)
- › Across the GTHA, residential building permits totaled 53,791, an increase of 33% over 2019's figure of 40,541
- › A total of 5,832 new residential building permits were issued in York Region in 2020, representing a 25% increase from the 2019 permit total of 4,669
- › The intensification rate—the percentage of units constructed within the Built Up Area (BUA)—was 59% in 2020. This figure is higher than the 10-year average of 53%
- › In 2020, the vast majority of constructed units within the BUA (81.4%) were apartment units. This figure is slightly above the 10-year average (79%)

#### YORK REGION INTENSIFICATION RATE 2011 to 2020



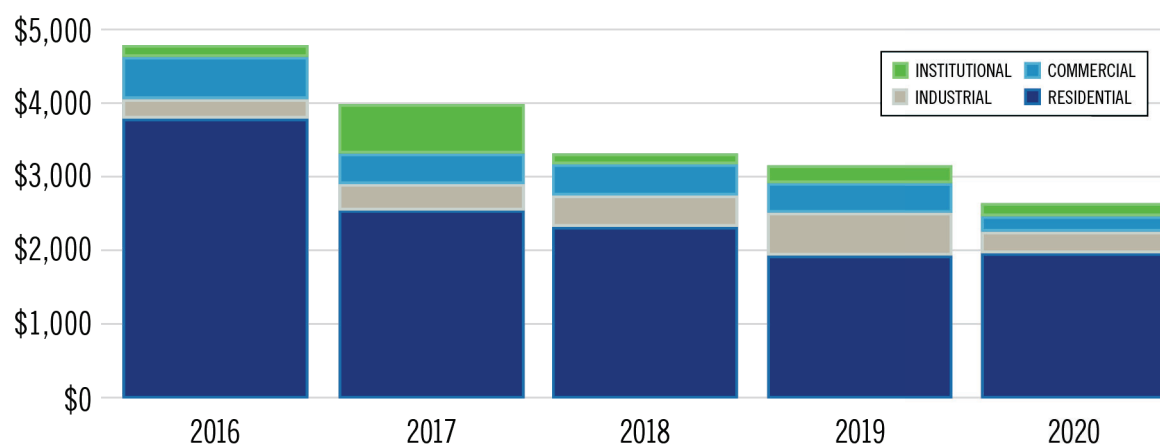
Source: York Region, Corporate Services, Long Range Planning

## 2020 HIGHLIGHTS DEVELOPMENT

### YORK REGION CONTINUES to be a SIGNIFICANT CONTRIBUTOR to the PROVINCIAL and NATIONAL ECONOMIES.

- › York Region continues to be a significant contributor to the provincial and national economies, ranking 8<sup>th</sup> in 2020 (down from 6<sup>th</sup> in 2019) for total construction among Canadian municipalities, with a value of \$2.63 billion. This was a decrease from 2019's figure of \$3.15 billion and was the lowest amount recorded since 2009
- › The impact of the COVID-19 pandemic has been more pronounced on the non-residential sector, as total industrial, commercial and institutional construction values decreased by 46% in 2020. The 2020 figure was approximately 30% lower than the ten year average. In this category, York Region ranked 9<sup>th</sup> among Canadian municipalities
- › The Greater Toronto Area office market vacancy rate (5.6%) was significantly lower than Canada's high of 10.8% in 2020

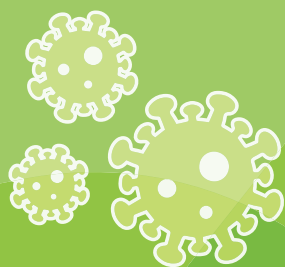
#### YORK REGION TOTAL CONSTRUCTION VALUE by TYPE - 2016 to 2020



Source: York Region, Corporate Services, Long Range Planning and Local Municipal Building Permit Reports

# ECONOMIC OUTLOOK

OPEN



**The COVID-19 pandemic led to a broad shutdown of economic activity in 2020. Businesses were temporarily closed, workers stayed home, hours worked were reduced and travel bans were put in place.**

- › After recording ten consecutive years of GDP growth, the U.S. economy contracted in 2020
- › According to the IMF, Canada's second largest trading partner, the EU, saw a steep 7.2% GDP decline, while Canada's third largest trading partner, China, grew modestly through 2020
- › Most developing countries saw relatively modest declines, while advanced economies, on average, recorded steeper drops.

### Key External factors influencing growth of the Canadian, Ontario, and York Region economies

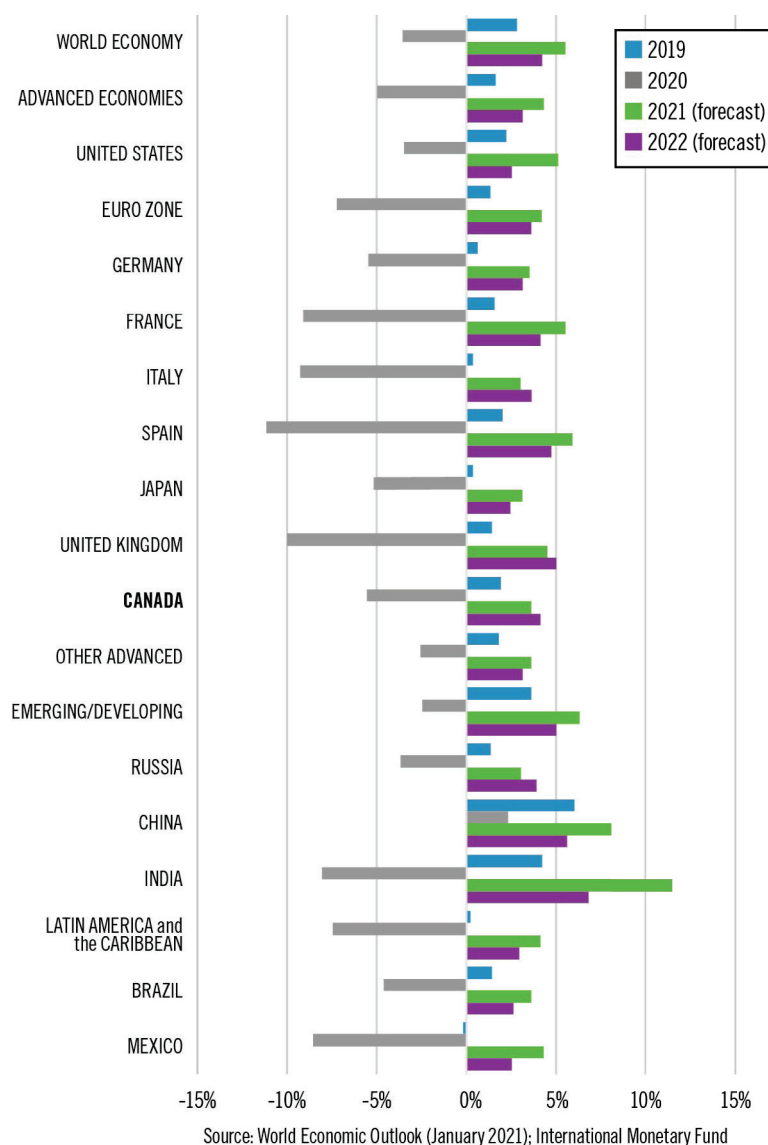
- › U.S. economy (largest market for York Region' businesses that export goods and services)
- › Oil prices
- › Value of the Canadian dollar
- › Levels of immigration (in 2020, Canada welcomed 184,000 new permanent residents, the lowest level since 1998). The government is aiming for over 400,000 arrivals per year starting in 2021
- › The U.S. Federal Reserve lowered interest rates in 2020 to 0 –0.25%. Rates are anticipated to remain low compared to historical levels. The Bank of Canada lowered interest rates to 0.5% in 2020 to ease borrowing costs

# ECONOMIC OUTLOOK

## THE GLOBAL, REGIONAL and NATIONAL PICTURE

- › According to the IMF, global economic activity declined by 3.5% in 2020. However, global growth is projected to increase 5.5% in 2021 and 4.2% in 2022
- › The U.S. economy, where Canada sends 75% of its exports, declined by 3.4% in 2020. Growth is expected to recover to 5.1% in 2021 and 2.5% in 2022. U.S. growth in coming years will depend upon stimulus efforts by the Federal Government
- › Canada's economy declined by 5.5% in 2020. Growth in the next two years is anticipated to recover to 3.6% in 2021 and 4.1% in 2022. Canadian growth will depend upon interest rates, stimulus efforts, and the exchange rate of the Canadian Dollar

**FIGURE 1.1: GLOBAL GROWTH FORECAST (%) - 2019 to 2022**



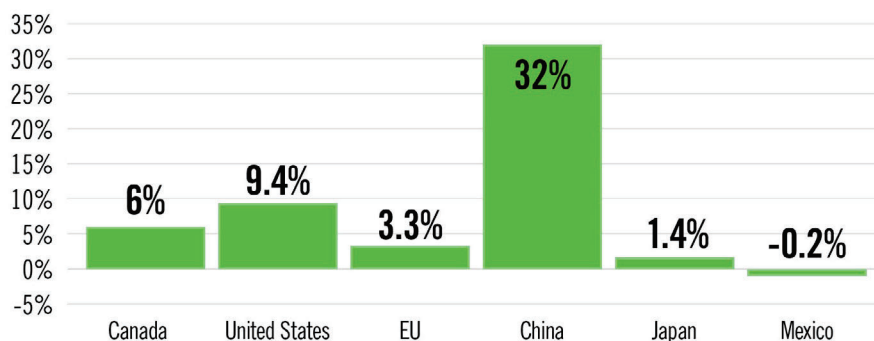
## ECONOMIC OUTLOOK

### There is a strong trade relationship between Canada and the U.S.

- › Regional businesses directly benefit from increased trade activity
- › A lower Canadian dollar promotes exports with the U.S. but impacts the import of U.S. goods and services
- › The recent USMCA deal—ratified by Canada in March 2020—should increase export prospects for Ontario and York Region businesses

- › Figure 1.2 shows the anticipated economic growth of Canada's 5 largest trading partners. Canada, with 6% growth between 2018 and 2022, is expected to fare better than the EU, Japan, and Mexico, but not as well as the U.S. or China
- › While exports to China could help Canada's economy recover from the COVID-19 pandemic, trade between the two countries is at a low base (4% of Canadian exports) compared to trade between Canada and the U.S. (74.4% of exports)
- › Sometime in 2021, the size of Canada's GDP is anticipated to return to its size at the end of 2017

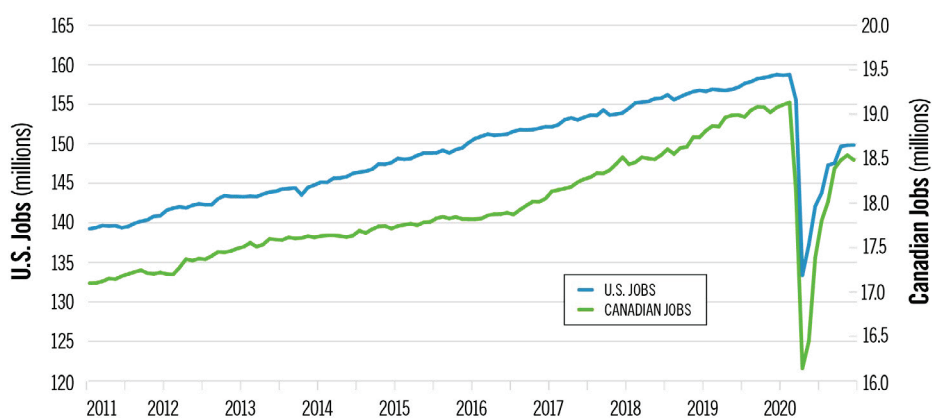
**FIGURE 1.2: PROJECTED ECONOMIC GROWTH of CANADA'S FIVE LARGEST TRADING PARTNERS - 2018 to 2022**



Source: World Economic Outlook (January 2021); IMF

- › During 2020, U.S. employment decreased to 149.8 million, a loss of 10 million jobs, while Canadian jobs decreased to approximately 18.5 million, a loss of almost 600,000 jobs (Figure 1.2)

**FIGURE 1.3: CANADIAN and U.S. EMPLOYMENT TRENDS - 2011 to 2020**



Source: U.S. Bureau of Labor Statistics and Statistics Canada

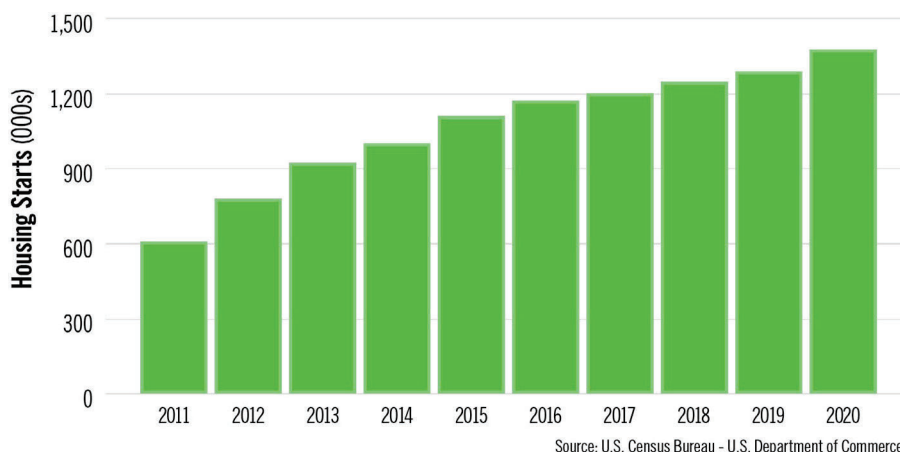
## ECONOMIC OUTLOOK

### Home sales reflect confidence in the U.S. economy.

- › This can increase demand for Canadian goods such as raw building materials and manufactured products

- › U.S. housing starts recorded a 6.9% increase over 2019 to a total of 1.38 million in 2020. In spite of COVID-19, this was the largest percentage increase since 2015
- › U.S. Housing starts fell dramatically in March and April, 2020 due to the onset of COVID-19. However, housing starts recovered to pre-COVID-19 levels by November

**FIGURE 1.4: U.S. ANNUAL HOUSING STARTS - 2011 to 2020**



### Oil prices temporarily fell to \$3 per barrel by April, 2020, but have since recovered most of their value at the start of the year.

- › The price of oil at the end of 2020 was \$47.73 per barrel, compared to \$61.29 in December of 2019 and \$45.22 in December of 2018. (Weekly Cushing, Oklahoma WTI Spot Price in Dollars per Barrel)

**FIGURE 1.5: CRUDE OIL PRICES (U.S. DOLLARS per BARREL) - 2007 to 2021**



# ECONOMIC OUTLOOK

## ECONOMIC ACTIVITY in ONTARIO, the TORONTO CMA and YORK REGION

### Ontario Economic Outlook

- › According to TD Canada, Ontario's economy decreased by 6.1% in 2020 compared to 1.9% growth recorded in 2019
- › According to the Ontario Ministry of Finance, the province's GDP growth fell 2.2% in Quarter 1 and 13% in Quarter 2. However, the province's GDP then increased by 11.8% in Quarter 3

### Total Ontario Employment

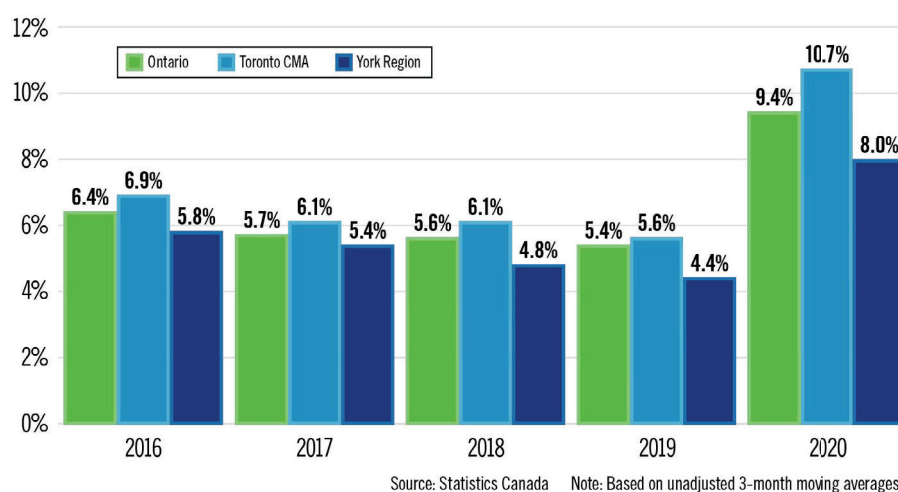
- › According to Statistics Canada, Ontario employment declined by 3.4% (255,100 jobs) to reach a total of 7,239,000 jobs

### Activity Rate

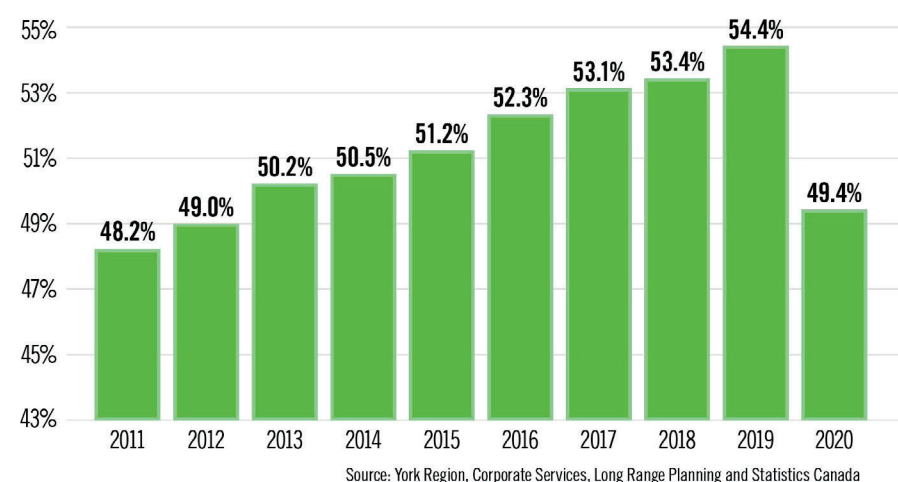
- › The activity rate compares the ratio of total employment to total population. One of York Region's Official Plan (ROP) objectives is to create high quality employment opportunities for residents, with a goal of 1 job for every 2 residents
- › An activity rate of 50% is consistent with the ROP target York Region's activity rate increased continually since 2010, before falling to 49.4% in 2020 as a result of the COVID-19 pandemic job decreases

- › According to Statistics Canada, the provincial unemployment rate had been decreasing steadily since 2012, from 8.1% down to 5.4% in 2019. The provincial unemployment rate peaked at 12.4% in June and July 2020, before falling to 9.4% in December 2020
- › The unemployment rate in the Toronto Census Metropolitan Area (CMA) had been decreasing since 2012, from 8.5% to 5.6% in 2019. However, the unemployment rate peaked at 14.7% in July 2020 before falling modestly to 10.7% in December 2020
- › York Region's unemployment rate was 4.4% at year-end 2019, lower than the Toronto CMA and Ontario rates. Unemployment peaked at 13.7% in July 2020, before falling to 8.0% at the end of 2020

**FIGURE 1.6: ONTARIO, TORONTO CMA AND YORK REGION UNEMPLOYMENT RATES - 2016 TO 2020**



**FIGURE 1.7: YORK REGION ACTIVITY RATES - 2011 to 2020**

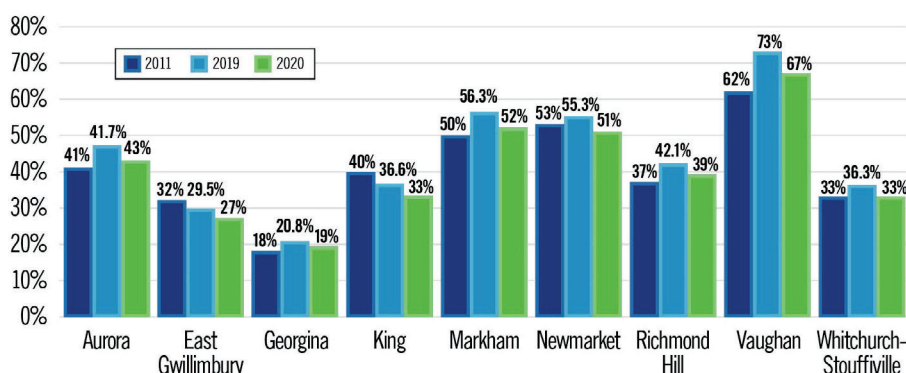


## ECONOMIC OUTLOOK

### York Region and Local Municipal Activity Rates

- › Overall declines in activity rates between 2019 and 2020 varied significantly by municipality
- › Most municipalities saw an increase in activity rates between 2011 and 2019 although some did see declines
- › Overall, York Region saw a 9.2% decline in activity rate

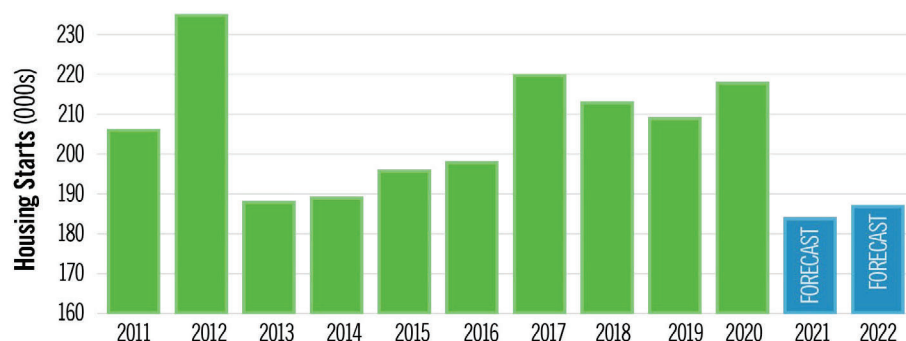
**FIGURE 1.8: LOCAL MUNICIPALITY ACTIVITY RATES - 2011, 2019 and 2020**



Source: York Region, Corporate Services, Long Range Planning and Statistics Canada

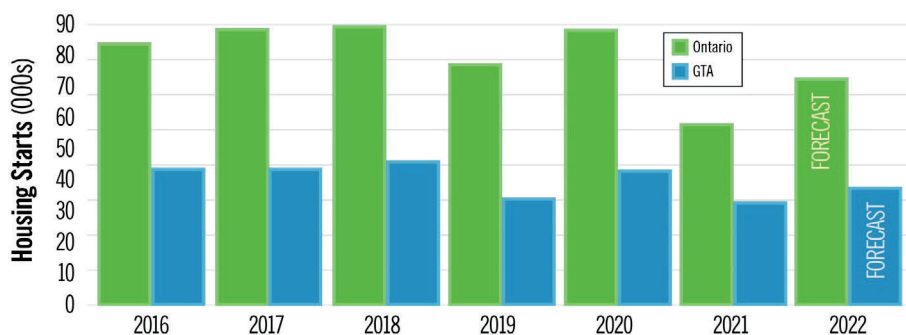
- › Between 2011 and 2019, the majority of local municipalities within York Region recorded increasing activity rates. This suggests that pre-COVID-19, York Region was successfully transitioning into a self-sustaining job destination in its own right
- › According to the Canadian Mortgage and Housing Corporation, housing starts in the GTHA increased to 38,587, almost identical to the 10-year average of 38,481
- › CMHC predicts that future GTA housing starts will decline from 2020 level

**FIGURE 1.9: CANADIAN ANNUAL HOUSING STARTS - 2011 to 2022**



Source: Canada Mortgage and Housing Corporation Note: 2021(blue) and 2022(blue) figures are projections made in the spring and summer of 2020. Considering the high number of housing starts in 2020, this may be an overly conservative assumption.

**FIGURE 1.10: ONTARIO and GTA HOUSING STARTS - 2016 to 2022**



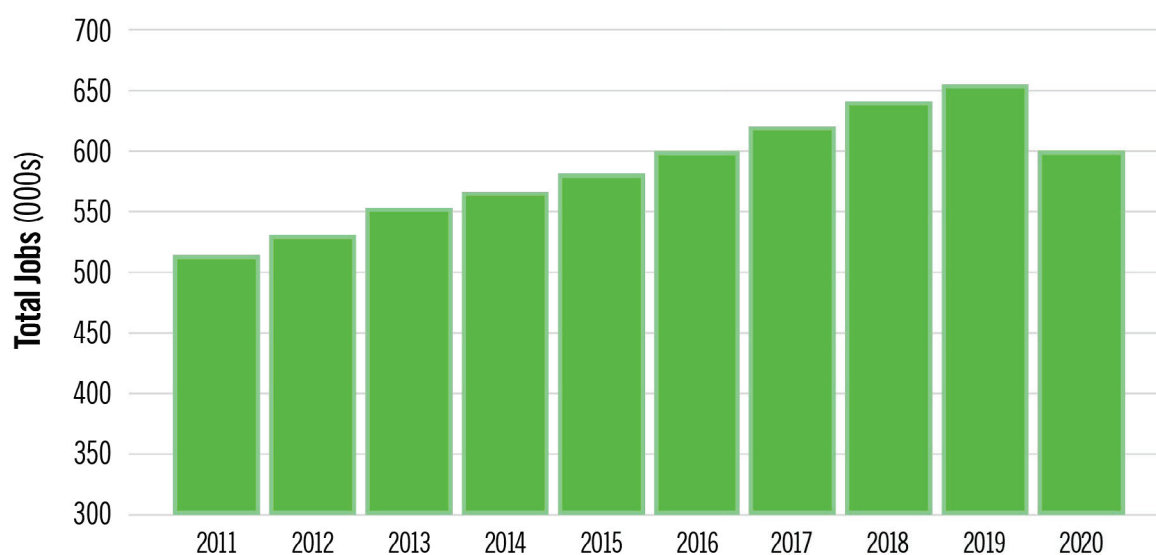
Source: Canada Mortgage and Housing Corporation Note: 2021 and 2022 figures are projections made in the spring and summer of 2020. Considering the high number of housing starts in 2020, this may be an overly conservative assumption.

# ECONOMIC OUTLOOK

## YORK REGION'S EMPLOYMENT TREND

- › York Region continues to be a significant contributor to the provincial and national economies, ranking 8<sup>th</sup> in 2020 (down from 6<sup>th</sup> in 2019) for total construction among Canadian municipalities, with a value of \$2.63 billion. This was a decrease from 2019's figure of \$3.15 billion and was the lowest amount recorded since 2009
- › The impact of the COVID-19 pandemic has been more pronounced on the non-residential sector, as total industrial, commercial and institutional construction values decreased by 46% in 2020. The 2020 figure was approximately 30% lower than the ten year average. In this category, York Region ranked 9<sup>th</sup> among Canadian municipalities
- › The Greater Toronto Area office market vacancy rate (5.6%) was significantly lower than Canada's high of 10.8% in 2020

**FIGURE 1.10 YORK REGION TOTAL EMPLOYMENT - 2011 to 2020**



Source: York Region, Corporate Services, Long Range Planning

# POPULATION GROWTH

Adobe Stock

# POPULATION GROWTH

## YORK REGION'S POPULATION CONTINUES to RISE with 0.9% GROWTH in 2020

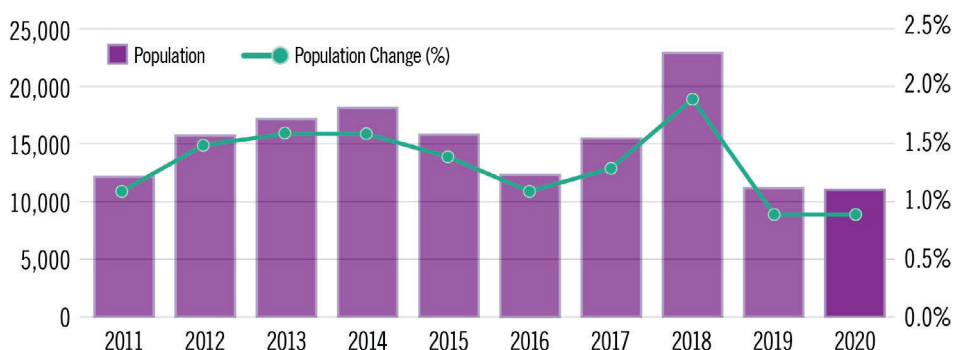
- › The Region's population increased by approximately 11,100 persons in 2020 to a total population of 1,213,600
- › The 2020 annual growth rate decreased slightly from 1.0% in 2019 to almost 0.9% in 2020 (Figure 2.1)

**TABLE 2.1: YORK REGION POPULATION - 2019 to 2020**

Municipality	2019	2020	Population Growth	Change (%)
Aurora	62,900	63,300	400	0.6%
East Gwillimbury	33,900	35,100	1,200	3.5%
Georgina	48,500	48,900	400	0.8%
King	27,800	27,800	0	0.0%
Markham	349,000	351,200	2,200	0.6%
Newmarket	90,100	90,200	100	0.1%
Richmond Hill	209,500	210,400	900	0.4%
Vaughan	331,600	336,900	5,300	1.6%
Whitchurch-Stouffville	49,200	49,800	600	1.2%
<b>York Region Total</b>	<b>1,202,500</b>	<b>1,213,600</b>	<b>11,100</b>	<b>0.9%</b>

- › Population growth within York Region has recorded slower but steady growth for the last several years averaging 1.3% per year since 2011

**FIGURE 2.1: YORK REGION ANNUAL POPULATION GROWTH - 2019 to 2020**



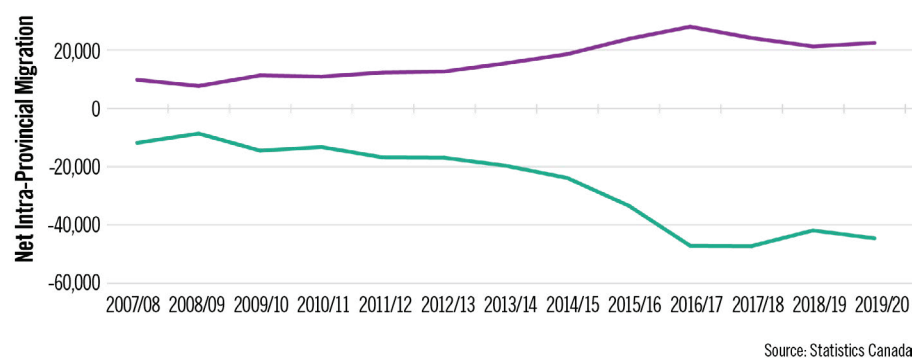
Source: York Region, Corporate Services, Long Range Planning

# POPULATION GROWTH

## MIGRATION PLAYS LARGE PART in GTHA REGION POPULATION GROWTH

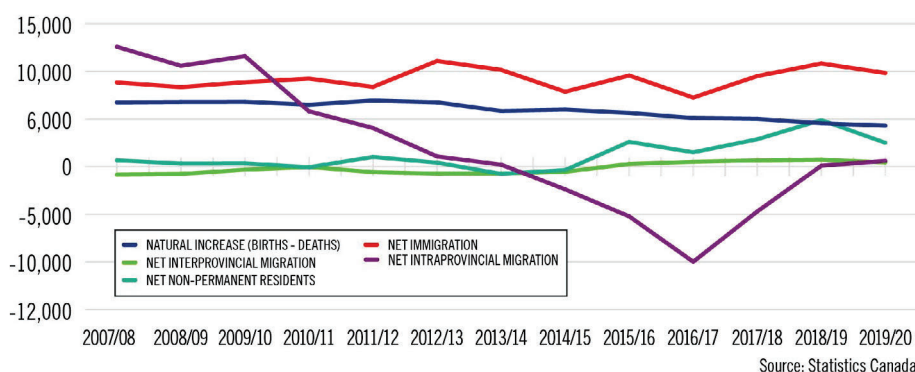
- › Ontario attracts the highest share of immigrants annually compared to any other province, typically in the 40% to 50% range
- › Population growth in the 905 area between the Census years of 2011 and 2016 had been slower than the prior Growth Plan forecast by approximately 10%
- › Toronto captured a higher than expected share of population growth between 2011 and 2016 (36%) when compared to the previous Provincial Growth Plan forecasts (27%)

**FIGURE 2.2: NET INTRA-PROVINCIAL within the GREATER GOLDEN HORSESHOE - 2007 to 2020**



- › Since the 2008 recession, there has been a continuing decline in net intra-provincial migrants to the GTHA and a net increase in intra-provincial migrants to the rest of the GGH (Figure 2.3)
- › While there are many factors that influence where people decide to live, households are likely looking for more affordable housing options outside of the GTHA, which includes York Region

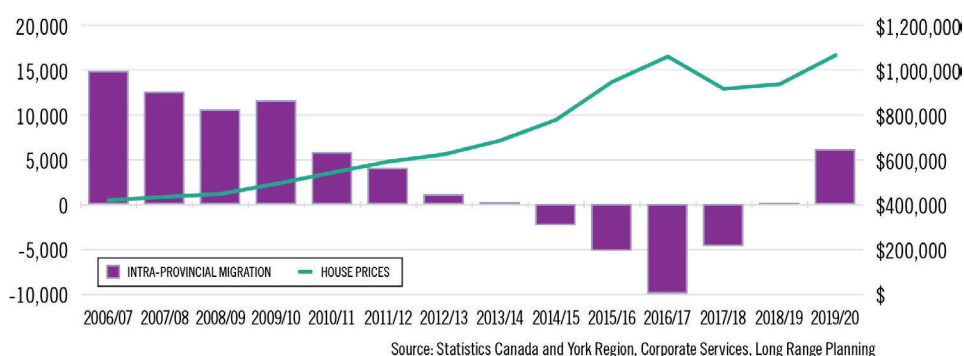
**FIGURE 2.3: COMPONENTS of POPULATION GROWTH in YORK REGION - 2007 to 2020**



## POPULATION GROWTH

- › Ontario attracts the highest share of immigrants annually compared to any other province, typically in the 40% to 50% range
- › Population growth in the 905 area between the Census years of 2011 and 2016 had been slower than the prior Growth Plan forecast by approximately 10%
- › Toronto captured a higher than expected share of population growth between 2011 and 2016 (36%) when compared to the previous Provincial Growth Plan forecasts (27%)

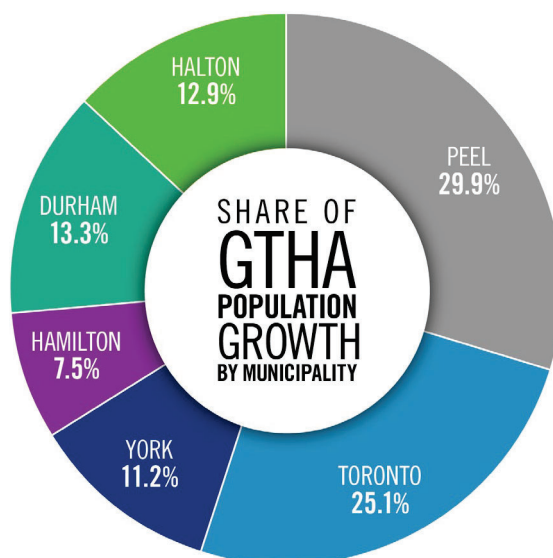
**FIGURE 2.4: NET INTRA-PROVINCIAL MIGRATION and AVERAGE ANNUAL RESALE HOUSE PRICES in YORK REGION - 2007 to 2020**



## YORK REGION CONTINUES to CONTRIBUTE to GTHA GROWTH

- › By the end of 2020, the GTHA population was estimated at 7.67 million people, an increase of approximately 99,200 or 1.3% from 2019
- › In 2020 York Region's share of the GTHA's population growth was 11.2%

**FIGURE 2.5: SHARE of GTHA POPULATION GROWTH by MUNICIPALITY - 2019 to 2020**



### All York Region municipalities experienced population growth.

The top 3 municipalities by percentage change between 2019 and 2020 are:

- › East Gwillimbury at 3.5%
- › Vaughan at 1.6%
- › Whitchurch-Stouffville at 1.2%

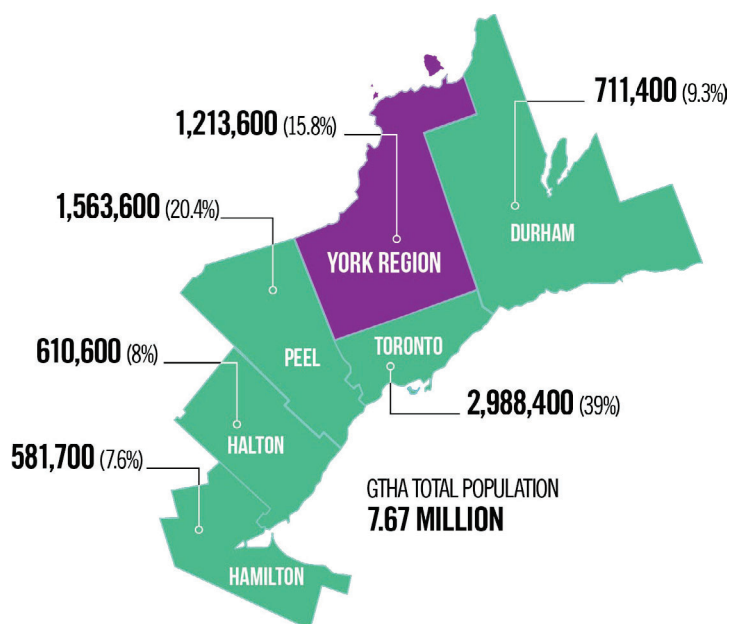
# POPULATION GROWTH

**York Region is part of the broader GTHA Region encompassing almost 7.7 million people**

The top 3 municipalities by percentage change between 2019 and 2020 are:

- › High quality of life, vibrant diversified economy, availability of serviced land and expanding transportation network enable York Region to continue to contribute to the growth of the GTHA

**FIGURE 2.6: SHARE of TOTAL 2020 GTHA POPULATION by MUNICIPALITY**



## YORK REGION one of the LARGEST MUNICIPALITIES in CANADA

- › As of December 2020, York Region was the sixth largest municipality in Canada (Table 2.2) in population

**TABLE 2.2: CANADA'S LARGEST MUNICIPALITIES by POPULATION - 2020**

Rank	Municipality	Est. Population (2020)
1	City of Toronto	2,988,400
2	Greater Vancouver Regional District	2,737,700
3	City of Montréal	2,069,800
4	Peel Region	1,563,600
5	City of Calgary	1,303,700
<b>6</b>	<b>York Region</b>	<b>1,213,600</b>
7	City of Ottawa	1,043,100
8	City of Edmonton	990,700
9	City of Québec	832,300
10	City of Winnipeg	766,900

## Population and Employment Forecasts

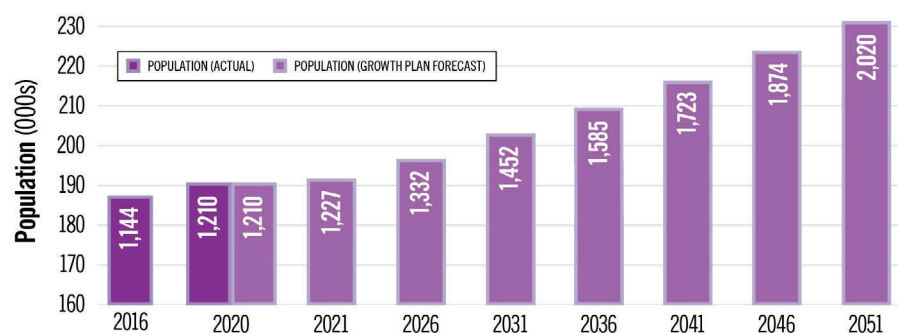
- › Population and employment growth forecasts form the basis for determining urban land needs, infrastructure and service planning, financial planning, and determining development charges

# POPULATION GROWTH

## POPULATION and EMPLOYMENT FORECASTS

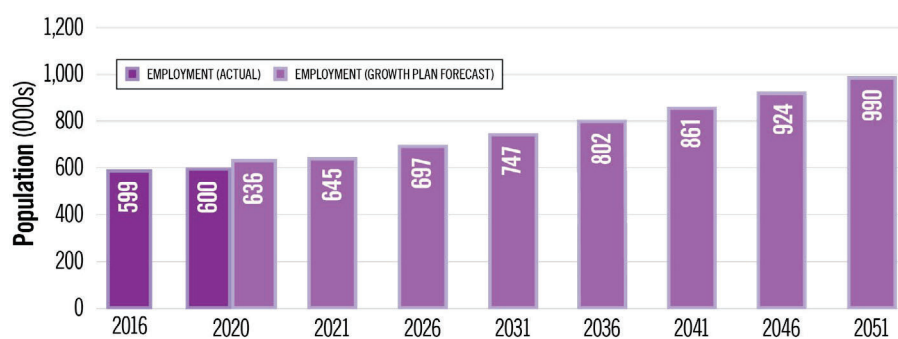
- › York Region's mid year 2020 population was estimated to be 1,209,800
- › Annual growth of almost 26,200 is required to reach the 2051 Growth Plan forecast of 2,020,000

**FIGURE 2.7: POPULATION GROWTH (ACTUAL and FORECAST) - 2016 to 2051**



- › In mid year 2020, York Region's employment was approximately 599,700 compared to the 2020 Growth Plan forecast of 635,600, a 35,900 difference
- › Annual employment growth of almost 12,600 is required to meet the 2051 Growth Plan employment forecast. The Region had been growing by approximately 17,700 jobs annually between 2014 and 2019, prior to the economic impact of the COVID-19 pandemic

**FIGURE 2.8: EMPLOYMENT GROWTH (ACTUAL and FORECAST) - 2016 to 2051**



# RESIDENTIAL MARKET and BUILDING ACTIVITY

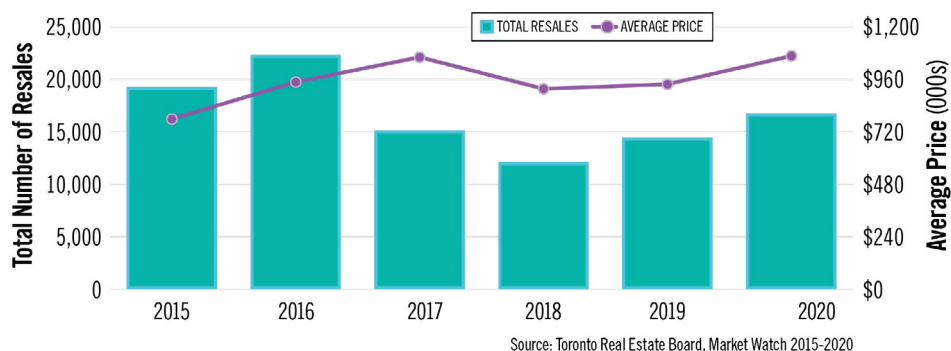


# RESIDENTIAL MARKET and BUILDING ACTIVITY

## NUMBER of RESIDENTIAL REALES INCREASED by 16.1% in 2020

- › The number of residential resales in York Region during 2020 totalled 16,636 dwelling units (Figure 3.1), an increase of 16.1% (2,312 units) from 2019
- › Total value of all York Region residential resales in 2020 was approximately \$17.75 billion – up from \$13.43 billion in 2019

**FIGURE 3.1: YORK REGION TOTAL REALES and AVERAGE PRICE - 2015 to 2020**



**TABLE 3.1: TOTAL NUMBER of REALES and AVERAGE PRICE (all dwelling types)  
by LOCAL MUNICIPALITY - 2019 and 2020**

	Sales			Average Price (\$)		
	2019	2020	Change (%)	2019	2020	Change (%)
Aurora	962	1,128	17.3%	\$905,872	\$1,053,296	16.3%
East Gwillimbury	586	641	9.4%	\$799,426	\$940,147	17.6%
Georgina	809	1,086	34.2%	\$568,143	\$679,855	19.7%
King	315	524	66.3%	\$1,380,466	\$1,625,463	17.7%
Markham	3,658	3,974	8.6%	\$949,536	\$1,070,822	12.8%
Newmarket	1,355	1,664	22.8%	\$777,589	\$890,078	12.8%
Richmond Hill	2,614	2,869	9.8%	\$1,039,433	\$1,156,881	11.3%
Vaughan	3,324	3,934	18.4%	\$933,787	\$1,131,778	13.9%
Whitchurch-Stouffville	701	816	16.4%	\$923,762	\$1,058,805	14.6%
<b>York Region Total</b>	<b>14,324</b>	<b>16,636</b>	<b>16.1%</b>	<b>\$937,546</b>	<b>\$1,067,134</b>	<b>13.8%</b>

Source: Toronto Real Estate Board, Market Watch, 2019 - 2020.

### Resale Homes Generate Significant Economic Activity

- › Use of professional services including: real estate agents, lawyers, appraisers, and surveyors
- › Generate taxes and fees
- › Generate associated spending on appliances, furniture, fixtures etc.

### Key 2020 York Region Resale Home Facts

- › Accounted for 17.5% of total number of GTA resales
- › Accounted for 20.1% of total GTA resale value
- › Average number of days a residential dwelling was on the market - 32 days
- › Average selling price - 100% of list price

# RESIDENTIAL MARKET and BUILDING ACTIVITY

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## Key 2020 York Region Resale Home Facts

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- › Accounted for 20.1% of total GTA resale value
- › Average number of days a residential dwelling was on the market - 32 days
- › Average selling price - 100% of list price
- › Total sales in the GTA's residential resale market increased by 7.7% in 2020 (95,151) compared to 87,825 in 2019
- › Average resale price (all dwelling types) in the GTA was \$929,699 in 2020, an increase of 11.9% in comparison to the average of \$819,319 in 2019
- › According to Statistics Canada taxfiler data and annual CPI adjustments done by York Region's Long Range Planning Division, the median household income for all families (single and dual-income) in York Region was \$101,000 in 2020. This translates to an average home value/family income ratio of 10.5

**TABLE 3.2: 2020 REALES and AVERAGE PRICES by LOCAL MUNICIPALITY and DWELLING TYPE (\$1,000s)**

	Detached		Semi		Town/Row Attach		Condo/Apt	
	Sales	Avg Price	Sales	Avg Price	Sales	Avg Price	Sales	Avg Price
Aurora	691	\$1,263	74	\$786	284	\$756	79	\$543
East Gwillimbury	508	\$1,004	30	\$753	102	\$683	1	\$385
Georgina	992	\$691	30	\$606	61	\$577	3	\$359
King	461	\$1,729	4	\$959	36	\$1,037	23	\$585
Markham	2,064	\$1,367	266	\$931	851	\$847	793	\$588
Newmarket	1,088	\$1,004	201	\$702	310	\$702	65	\$470
Richmond Hill	1,549	\$1,501	160	\$922	616	\$900	544	\$537
Vaughan	2,138	\$1,409	344	\$954	788	\$901	664	\$604
Whitchurch-Stouffville	586	\$1,186	56	\$791	140	\$731	34	\$651
<b>York Region Total</b>	<b>10,077</b>	<b>\$1,271</b>	<b>1,165</b>	<b>\$868</b>	<b>3,188</b>	<b>\$835</b>	<b>2,206</b>	<b>\$576</b>

Source: Toronto Real Estate Board, Market Watch, 2020.

- › Region wide, the average price of a resale unit increased by 13.8% for all unit types, from \$937,546 in 2019 to \$1,067,134 in 2020 (Table 3.1)
- › The average price of single detached units increased by 13.5%, from \$1,120,297 in 2019 to \$1,271,276 in 2020
- › Prices for new single-detached homes range from \$670,000 in the Town of Georgina to \$4.5 million in the City of Markham

**TABLE 3.3: YORK REGION 2020 NEW HOME PRICES**

	Detached	Semi	Row	Condo/Apt
Aurora	n/a	n/a	\$960 to \$1,020	n/a
East Gwillimbury	\$839 to \$1.7M	n/a	\$636 to \$765	n/a
Georgina	\$670 to \$1.4M	n/a	n/a	n/a
King	n/a	n/a	n/a	n/a
Markham	\$937 to \$4.5M	n/a	\$759 to \$1.6M	\$780 to \$3.5M
Newmarket	\$1.05M to \$1.4M	n/a	\$914 to \$962	n/a
Richmond Hill	\$1.25M to \$2.7M	n/a	\$687 to \$1.4M	n/a
Vaughan	\$1.4M to \$2.6M	n/a	\$699 to \$1.6M	\$356 to \$3.5M
Whitchurch-Stouffville	n/a	n/a	\$739 to \$800	n/a
<b>York Region</b>	<b>\$670 to \$4.5M</b>	<b>n/a</b>	<b>\$636 to \$1.6M</b>	<b>\$356 to \$3.5M</b>

Source: RealNet, Feb 2021. Note: New home data only provides a snapshot of projects currently for sale with the range of prices asked. Some municipalities may only have one or two projects contributing to the data.

# RESIDENTIAL MARKET and BUILDING ACTIVITY

RESIDENTIAL BUILDING PERMITS are up 25% from 2019

› Building permit activity is an essential yardstick used to measure local investments and economic performance

- › A total of 5,832 new residential building permits were issued in York Region in 2020, representing a 25% increase from the 2019 permit total of 4,669
- › Single detached units increased significantly (56%) from 1,271 in 2019 to 1,987 in 2020

**TABLE 3.4: NEW RESIDENTIAL UNITS with PERMITS  
ISSUED in YORK REGION - 2019 to 2020**

Municipality	2019	2020	% Change
Aurora	182	156	-14%
East Gwillimbury	334	532	59%
Georgina	247	222	-10%
King	60	103	72%
Markham	118	1,046	786%
Newmarket	97	671	592%
Richmond Hill	894	921	3%
Vaughan	2,578	2,115	-18%
Whitchurch-Stouffville	159	66	-58%
<b>York Region Total</b>	<b>4,669</b>	<b>5,832</b>	<b>25%</b>

Source: York Region Corporate Services, Long Range Planning and Local Municipal Building Permit Reports.

- › In 2020, apartment dwellings and townhouses accounted for 66% of new residential permits issued, an indication of York Region's progress towards creating a more diversified housing stock
- › Vaughan, Markham and Richmond Hill accounted for approximately 70% of the total residential building permit activity in 2020 (36%, 18% and 16% respectively)

# RESIDENTIAL MARKET and BUILDING ACTIVITY

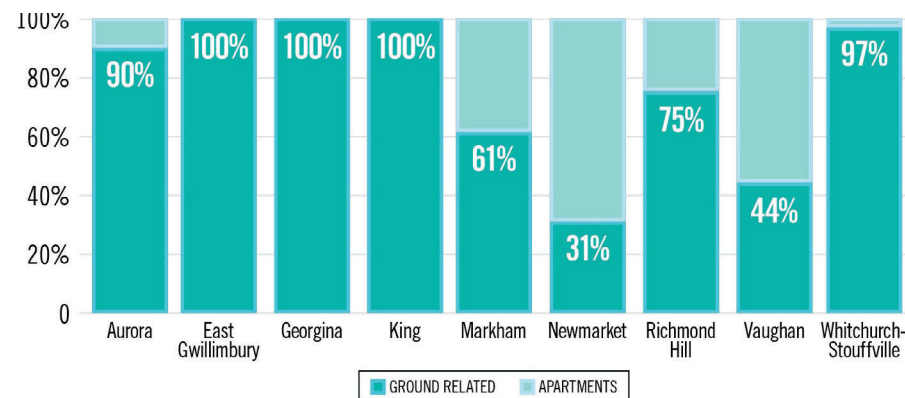
**FIGURE 3.2: YORK REGION RESIDENTIAL BUILDING PERMIT MIX - 2016 to 2020**



Source: York Region Corporate Services, Long Range Planning and Local Municipal Building Permit Reports

- › The 2020 breakdown of residential building permits was 34% single detached, 4% semi-detached, 22% row (for a total of 60% ground related) and 40% apartment

**FIGURE 3.3: NEW RESIDENTIAL BUILDING PERMIT MIX  
by LOCAL MUNICIPALITY - 2016 to 2020**

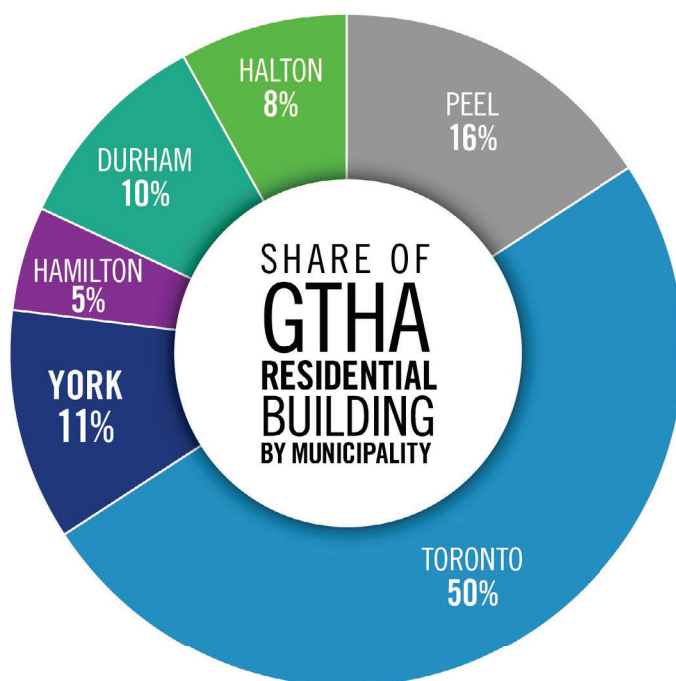


# RESIDENTIAL MARKET and BUILDING ACTIVITY

## YORK REGION continues to CONTRIBUTE SIGNIFICANTLY to RESIDENTIAL BUILDING PERMIT ACTIVITY in the GTHA

- › In 2020, 53,791 building permits were issued for new residential units across the GTHA, an increase from 40,541 in 2019 of approximately 33%
- › All GTHA jurisdictions experienced an increase in the total number of building permits issued in 2020 except Peel Region
- › York Region accounted for 11% of the GTHA's residential building permit activity, third to the City of Toronto's 50% share and Peel Region's 16%

**FIGURE 3.4: GTHA RESIDENTIAL BUILDING ACTIVITY 2020 - SHARES by MUNICIPALITY**



Source: Local Municipal Building Permit Reports, 2020; Statistics Canada Table 32.2 (unpublished), 2020

## RESIDENTIAL MARKET and BUILDING ACTIVITY

### YORK REGION RECORDED the 8<sup>TH</sup> LARGEST NUMBER of RESIDENTIAL BUILDING PERMITS ISSUED in CANADA

- › York Region continues to be a significant contributor of new residential development in Canada, ranking 8<sup>th</sup> for building permits issued

**TABLE 3.5: CROSS CANADA COMPARISON 2020 - RESIDENTIAL BUILDING PERMITS**

Rank	Municipality	Number of Permits	% Change from 2019
1	City of Toronto	26,841	44.5%
2	Greater Vancouver Regional District	23,423	-15.4%
3	City of Ottawa	11,449	20.4%
4	City of Montréal	11,281	-21.4%
5	City of Edmonton	10,162	-6.1%
6	Peel Region	8,769	-8.4%
7	City of Calgary	8,555	-34.1%
<b>8</b>	<b>York Region</b>	<b>5,832</b>	<b>24.9%</b>
9	Durham Region	5,295	82.5%
10	Waterloo Region	5,056	-20%

Source: Statistics Canada Building Permit Reports and Table 32.2 (unpublished), 2020; York Region Corporate Services, Long Range Planning Division, 2020. Note: Ranking is in comparison to cities, Region's and Regional Districts as defined locally.

### RESIDENTIAL COMPLETIONS INCREASED for 2020

- › Housing completions in the Region increased by 19.7% over 2019
- › The mix of housing completions in 2020 was 21% (1,306) single detached, 2% (110) semi-detached units, 22% (1,419) row houses and 55% (3,504) apartments

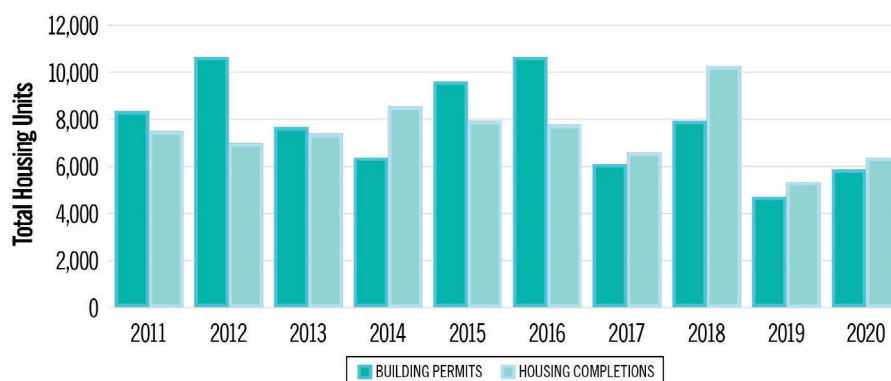
**TABLE 3.6: YORK REGION RESIDENTIAL COMPLETIONS - 2019 and 2020**

	2019	2020	% Change
Aurora	426	152	-64%
East Gwillimbury	724	400	-45%
Georgina	84	242	188%
King	71	42	-41%
Markham	1,146	1,320	15%
Newmarket	352	102	-71%
Richmond Hill	1,300	579	-55%
Vaughan	1,072	3,114	190%
Whitchurch-Stouffville	119	388	226%
<b>York Region Total</b>	<b>5,294</b>	<b>6,339</b>	<b>19.7%</b>

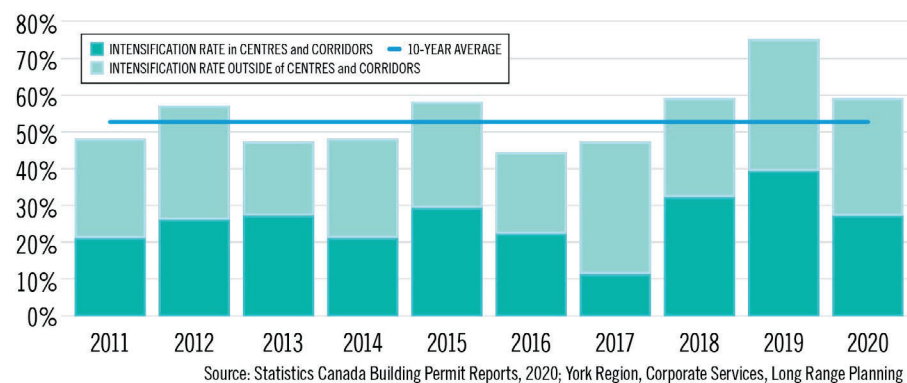
Source: CMHC, 2020

# RESIDENTIAL MARKET and BUILDING ACTIVITY

**FIGURE 3.5: 2011 to 2020 BUILDING PERMIT and HOUSING COMPLETIONS**



**FIGURE 3.6: INTENSIFICATION within the BUILT-UP AREA, YORK REGION, 2011 to 2020**



- › York Region's intensification share within the built up area has averaged 53% over the last 11 years, and was 59% in 2020
- › The continuing development of the Region's Centres and Corridors and other intensification areas will contribute to achieving the minimum 50% intensification target in the 2020 Growth Plan

# RESIDENTIAL MARKET and BUILDING ACTIVITY

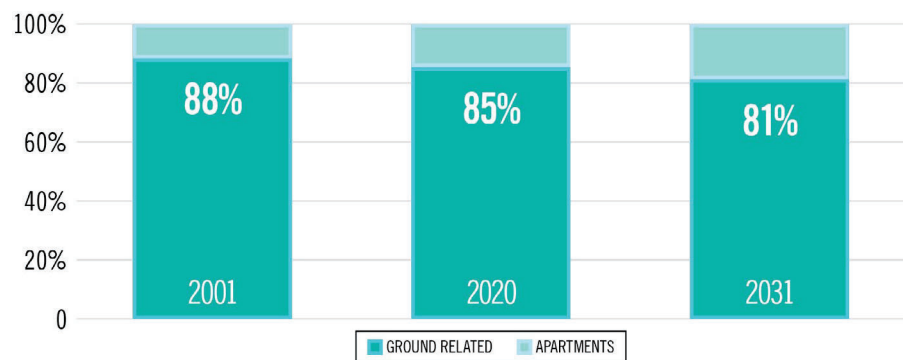
## THE TOTAL HOUSING SUPPLY CONTINUES to DIVERSIFY

**A more diversified housing stock provides more choice in the market for both existing and future residents**

- › Diversified housing is important for:
  - » providing affordable options
  - » housing residents at different stages in their lives
  - » reaching the Region's intensification targets
  - » creating more compact, transit supportive development

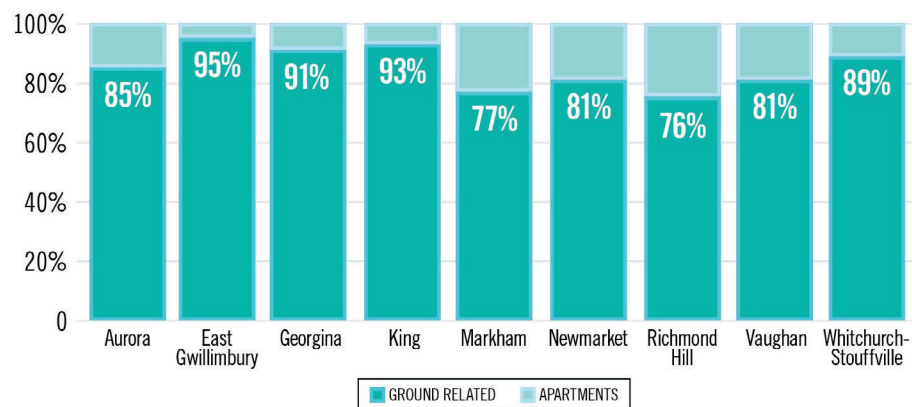
- › While the Region's new housing stock becomes increasingly diversified over time, the existing housing stock is composed primarily of ground related dwellings
- › The proportion of apartment unit dwellings in the Region's housing stock increased from 12% in 2001 to 15% in 2020
- › The proportion of apartment unit dwellings is forecasted to be 19% by 2031

**FIGURE 3.7: MIX of HOUSING STOCK in YORK REGION**

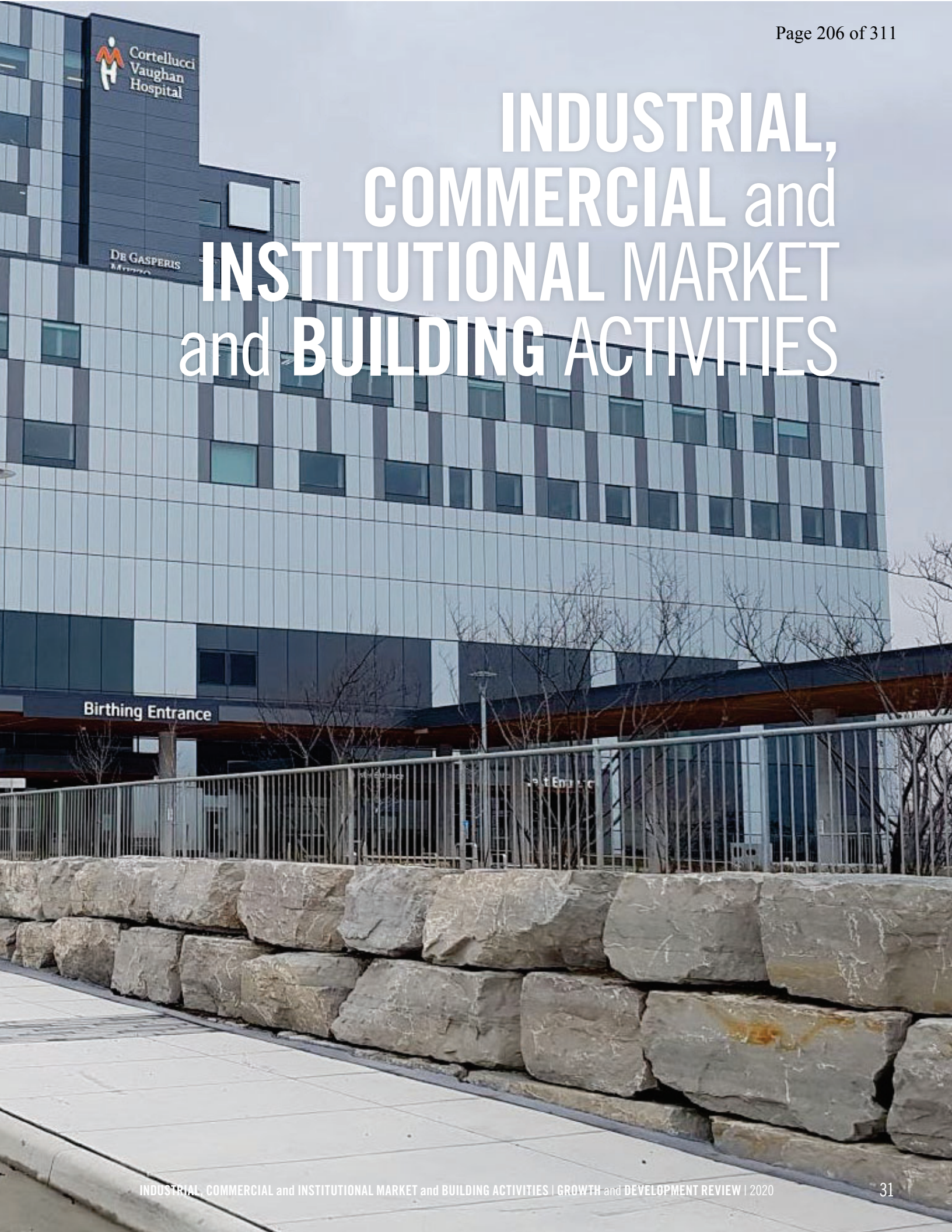


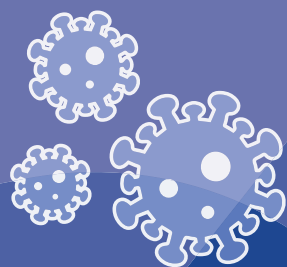
- › The overall housing stock in 2020 was composed of 66% single detached dwellings, 6% semi-detached units, 13% row house units and 15% apartment units

**FIGURE 3.8: MIX of TOTAL HOUSING STOCK by LOCAL MUNICIPALITY - 2020**



# INDUSTRIAL, COMMERCIAL and INSTITUTIONAL MARKET and BUILDING ACTIVITIES





**GTA's industrial market remains resilient as e-commerce continues to experience exponential growth during the COVID-19 pandemic**

- Although the retail market in York Region was disrupted by the COVID-19 pandemic, 2020 saw over 350,000 sq.ft. of new retail space delivered to market with another 1,410,000 sq.ft. under construction (Costar)
- During the COVID-19 pandemic, the retail market evolved and adapted to e-commerce platforms. Many small retailers that missed out on the e-commerce boom were greatly impacted by the mandatory safety measures and restrictions

# INDUSTRIAL, COMMERCIAL and INSTITUTIONAL MARKET and BUILDING ACTIVITIES

## INDUSTRIAL and COMMERCIAL PROPERTY MARKET

- The number of residential resales in York Region during 2020 totalled 16,636 dwelling units (Figure 3.1), an increase of 16.1% (2,312 units) from 2019
- Total value of all York Region residential resales in 2020 was approximately \$17.75 billion – up from \$13.43 billion in 2019

**TABLE 4.1: YORK REGION and GTA INDUSTRIAL MARKET OVERVIEW - 2020**

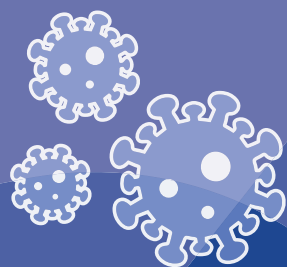
Municipality	Vacancy Rate	Avg Net Rent	Avg Sale Price	Inventory (sq. ft)
Aurora	1.3%	\$8.79	\$191	5,244,300
East Gwillimbury	-	\$12.00	\$220	1,446,400
Georgina	0.0%	-	\$214	314,400
King	0.0%	\$12.00	\$270	750,700
Markham	1.4%	\$11.17	\$243	24,325,400
Newmarket	1.3%	\$9.58	\$195	6,993,600
Richmond Hill	1.4%	\$11.26	\$233	10,472,600
Vaughan	1.2%	\$10.78	\$218	88,787,200
Whitchurch-Stouffville	5.8%	\$7.90	\$322	2,472,300
<b>York Region</b>	<b>1.3%</b>	<b>\$10.64</b>	<b>\$233</b>	<b>141,332,500</b>
<b>Greater Toronto Area</b>	<b>1.5%</b>	<b>\$9.74</b>	<b>\$206</b>	<b>747,024,700</b>

Source: Costar 2020. All dollar figures are Per Square Foot

**TABLE 4.2: YORK REGION and GTA RETAIL MARKET OVERVIEW - 2020**

Municipality	Vacancy Rate	Avg Net Rent	Avg Sale Price	Sales Volume	Inventory (sq. ft)
Aurora	2.8%	\$24.46	\$420	\$24,419,996	3,040,700
East Gwillimbury	2.0%	\$26.82	\$395	-	1,383,900
Georgina	0.9%	\$18.21	\$375	\$9,885,000	1,770,500
King	0.9%	\$22.33	\$429	\$1,070,000	794,300
Markham	1.7%	\$29.13	\$435	\$89,503,713	13,241,800
Newmarket	2.3%	\$20.76	\$399	\$27,863,090	5,926,900
Richmond Hill	3.0%	\$25.48	\$438	\$50,690,000	7,370,200
Vaughan	1.3%	\$23.81	\$438	\$123,301,305	17,804,100
Whitchurch-Stouffville	2.3%	\$27.00	\$409	\$16,385,000	1,483,700
<b>York Region</b>	<b>1.9%</b>	<b>\$24.95</b>	<b>\$427</b>	<b>\$343,117,834</b>	<b>53,045,300</b>
<b>Greater Toronto Area</b>	<b>1.9%</b>	<b>\$26.61</b>	<b>\$441</b>	<b>\$2,720,757,016</b>	<b>292,980,300</b>

Source: Costar 2020. All dollar figures are Per Square Foot



### York Region's office market was impacted by months of pandemic-enforced restrictions in 2020.

- › The pandemic provided a reset opportunity that allowed office occupiers to experiment with flexible models. It accelerated the shift to distributed work forces, particularly in the tech and financial sectors
- › While there was a shift to a mandatory work from home strategy, Colliers Canada data (2021) suggests that the COVID-19 pandemic will not lead to the 'death' of the office. Survey results reveal that both employers and employees expect the vast majority of employees to eventually return to the traditional office work places after the vaccine

### The GTA office market vacancy rate at 5.6% is lower than Canada's high of 10.8% in 2020

Source: Colliers Canada, 2020

## INDUSTRIAL, COMMERCIAL and INSTITUTIONAL MARKET and BUILDING ACTIVITIES

**TABLE 4.3: YORK REGION and GTA OFFICE MARKET OVERVIEW - 2020**

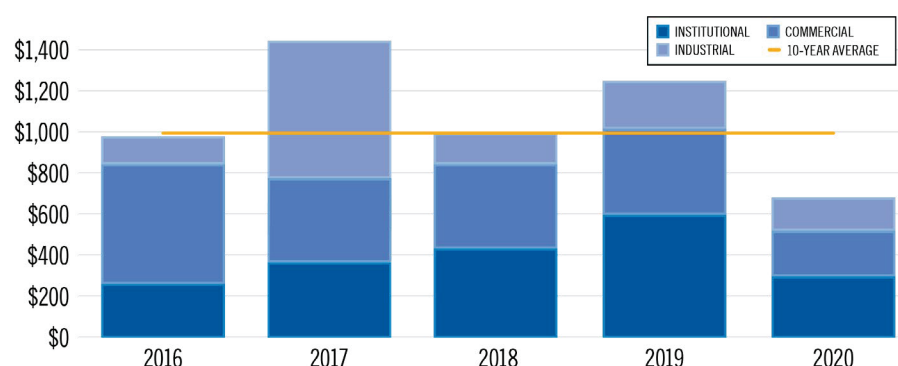
Municipality	Vacancy Rate	Avg Net Rent	Inventory (sq. ft)
Aurora	0.8%	\$20.28	1,619,700
East Gwillimbury	0.0%	\$26.26	137,200
Georgina	0.0%	\$28.61	36,500
King	2.1%	\$23.00	196,200
Markham	4.1%	\$20.05	15,097,000
Newmarket	1.6%	\$16.31	2,563,000
Richmond Hill	5.4%	\$16.75	3,983,900
Vaughan	7.4%	\$20.49	7,324,600
Whitchurch-Stouffville	1.7%	\$15.09	356,100
<b>York Region</b>	<b>4.6%</b>	<b>\$19.97</b>	<b>31,348,600</b>
<b>Greater Toronto Area</b>	<b>5.6%</b>	<b>\$19.45</b>	<b>275,275,100</b>

Source: Costar 2020. All dollar figures are Per Square Foot

### COMMERCIAL and INDUSTRIAL CONSTRUCTION VALUES DECREASED SIGNIFICANTLY in 2020

- › Total ICI construction in 2020 had a combined construction value of \$674.5 million, a decrease from the 2019 value of \$1.44 billion (Figure 4.1) and was lower than the ten year average of \$992 million
- › Industrial, commercial and institutional construction values decreased from 2020 levels by 51%, 46% and 31% respectively

**FIGURE 4.1: YORK REGION ICI CONSTRUCTION VALUES - 2016 to 2020**



# INDUSTRIAL, COMMERCIAL and INSTITUTIONAL MARKET and BUILDING ACTIVITIES

**TABLE 4.5: YORK REGION COMMERCIAL BUILDING PERMITS with 10 HIGHEST CONSTRUCTION VALUES - 2020**

Project	Value (\$000s)	Municipality
Commercial General (Unspecified)	\$16,894	Vaughan
Office Building	\$8,689	Vaughan
Commercial General (Unspecified)	\$5,788	Richmond Hill
Commercial General (Unspecified)	\$5,182	Richmond Hill
Recreation Facility (Commercial)	\$4,796	Vaughan
Retail/Service Commercial Unit	\$3,113	Vaughan
Commercial Multi-Use (Unspecified)	\$2,831	Vaughan
Commercial General (Unspecified)	\$2,831	Richmond Hill
Commercial General (Unspecified)	\$2,815	Markham
Commercial General (Unspecified)	\$2,534	Markham

Source: Statistics Canada Building Permit Reports and Table 32.2 (unpublished), 2020; York Region Corporate Services, Long Range Planning Division, 2020

**TABLE 4.6: YORK REGION INSTITUTIONAL BUILDING PERMITS with 10 HIGHEST CONSTRUCTION VALUES - 2020**

Project	Value (\$000s)	Municipality
Nursing/Institutional Home	\$25,751	Markham
Elementary School and Library	\$24,000	Aurora
Police/Fire/Military/Prison	\$21,215	Newmarket
Funeral/Crematorium/Mausoleum	\$14,830	Vaughan
Institutional General (Unspecified)	\$14,000	Richmond Hill
Police/Fire/Military/Prison	\$11,000	Vaughan
Religious Building	\$10,095	Vaughan
Religious Building	\$8,463	Markham
Nursing/Institutional Home	\$6,000	Vaughan
Institutional General (Unspecified)	\$5,685	Newmarket

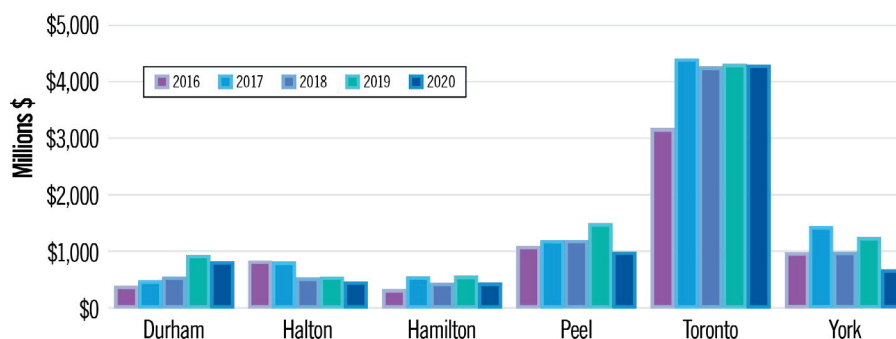
Source: Statistics Canada Building Permit Reports and Table 32.2 (unpublished), 2020; York Region Corporate Services, Long Range Planning Division, 2020

# INDUSTRIAL, COMMERCIAL and INSTITUTIONAL MARKET and BUILDING ACTIVITIES

## GREATER HAMILTON and TORONTO AREA CONSTRUCTION

- › York Region accounted for 8.9% of the GTHA's total ICI construction value in 2020, a decrease from 13.8% in 2019

**FIGURE 4.2: GTHA ICI CONSTRUCTION VALUES by MUNICIPALITY - 2016 to 2020**



- › Overall, the GTHA recorded a 15.5% reduction in the value of ICI construction from 2019
- › All GTHA regions except the City of Toronto recorded a decrease in total ICI construction
- › York Region ranked ninth across Canada for the value of its ICI construction in 2020, a drop in ranking from seventh in 2019 (Table 4.7)

**TABLE 4.7: 2020 CROSS CANADA COMPARISON: VALUES of ICI CONSTRUCTION (\$'000s)**

Rank	Municipality	Total Value	% Change from 2019
1	City of Toronto	\$4,227,857	0.0%
2	Greater Vancouver Regional District	\$3,062,556	-17.6%
3	City of Montréal	\$2,026,073	-35.4%
4	City of Ottawa	\$1,592,613	92.3%
5	Peel Region	\$990,109	-33.5%
6	City of Calgary	\$1,111,975	-41.0%
7	City of Edmonton	\$1,043,984	-34.5%
8	Durham Region	\$819,357	-12.1%
9	<b>York Region</b>	<b>\$674,489</b>	<b>-45.8%</b>
10	Waterloo Region	\$642,193	-16.1%
11	City of Winnipeg	\$634,699	-47.0%
12	Halton Region	\$461,049	-16.1%

Source: Statistics Canada Building Permit Reports and Table 32.2 (unpublished), 2020; York Region Corporate Services, Long Range Planning Division, 2020. Note: Ranking is in comparison to cities, Region's and Regional Districts as defined locally.

# OVERALL CONSTRUCTION VALUE

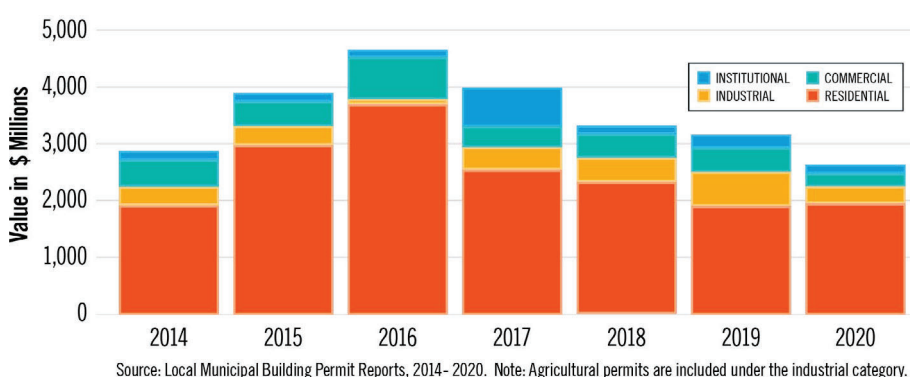


# OVERALL CONSTRUCTION VALUE

## TOTAL CONSTRUCTION VALUE in YORK REGION

- › Total estimated value of construction in 2020 was approximately \$2.63 billion, compared to \$3.15 billion recorded in 2019, a decline of 16.6%
- › York Region construction activity was impacted by COVID-19 in 2020 and recorded the lowest total estimated construction value of the past seven years (Figure 5.1)

**FIGURE 5.1: YORK REGION CONSTRUCTION VALUE by TYPE - 2014 to 2020**



**TABLE 5.1: ESTIMATED VALUE of TOTAL CONSTRUCTION (RESIDENTIAL and ICI) by LOCAL MUNICIPALITY 2019 and 2020 (\$'000s)**

Municipality	2019	2020	% Change
Aurora	\$325,746	\$194,262	-40%
East Gwillimbury	\$123,193	\$147,849	20%
Georgina	\$111,476	\$77,902	-30%
King	\$181,066	\$99,095	-45%
Markham	\$480,038	\$317,040	-34%
Newmarket	\$81,172	\$277,246	242%
Richmond Hill	\$450,695	\$399,532	-11%
Vaughan	\$1,307,955	\$1,090,540	-17%
Whitchurch-Stouffville	\$97,535	\$24,494	-75%
<b>York Region Total</b>	<b>\$3,158,876</b>	<b>\$2,627,960</b>	<b>-16.8%</b>

Source: Local Municipal Building Permit Reports, 2019 and 2020; Corporate Services, Long Range Planning Division, 2020

- › The Region's value of residential construction increased by 2.5% from \$1,905 million in 2019 to \$1,953 million in 2020 (Table 5.1)
- › All local municipalities except Newmarket and East Gwillimbury recorded decreases in total estimated construction values in 2020

## OVERALL CONSTRUCTION VALUE

**TABLE 5.2: ESTIMATE of VALUE (in \$Millions) of CONSTRUCTION\***  
by LOCAL MUNICIPALITY 2019 and 2020

Municipality	Residential		Industrial**		Commercial		Institutional		Total	
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020
Aurora	\$209	\$143	\$1	\$0	\$42	\$26	\$74	\$25	\$326	\$194
East Gwillimbury	\$94	\$136	\$18	\$6	\$10	\$4	\$1	\$2	\$123	\$148
Georgina	\$96	\$73	\$5	\$2	\$2	\$2	\$7	\$1	\$110	\$78
King	\$125	\$73	\$6	\$13	\$16	\$7	\$28	\$6	\$175	\$99
Markham	\$113	\$246	\$225	\$15	\$115	\$21	\$26	\$35	\$480	\$317
Newmarket	\$39	\$220	\$3	\$6	\$33	\$20	\$6	\$31	\$81	\$277
Richmond Hill	\$330	\$340	\$51	\$8	\$41	\$35	\$28	\$17	\$451	\$400
Vaughan	\$855	\$700	\$288	\$240	\$156	\$108	\$8	\$42	\$1,307	\$1,091
Whitchurch-Stouffville	\$43	\$23	\$1	\$0	\$4	\$1	\$50	\$0	\$97	\$24
<b>York Region</b>	<b>\$1,905</b>	<b>\$1,953</b>	<b>\$598</b>	<b>\$291</b>	<b>\$418</b>	<b>\$224</b>	<b>\$299</b>	<b>\$159</b>	<b>\$3,150</b>	<b>\$2,628</b>

Source: Local Municipal Building Permit Reports, 2019 and 2020; Corporate Services, Long Range Planning Division, 2020.

Note: \*Estimated values of construction include additions, demolitions, renovations, temporary structures and new construction. \*\*Agricultural permits are included under the industrial category.

## CONSTRUCTION ACTIVITY - NATIONAL COMPARISONS

- › Despite the continued impacts of the COVID-19 pandemic, York Region remains in the top 10 list of highest construction values in Canada in 2020
- › York Region ranked eighth in total construction values among Canadian municipalities, with a value of \$2.6 billion which was lower compared to the total value of \$3.15 billion in 2019 (Table 5.3)

**TABLE 5.3: CROSS CANADA COMPARISON 2020 - VALUES of TOTAL CONSTRUCTION (\$000s)**

Rank	Municipality	Total Value	% Change from 2019
1	City of Toronto	\$11,529,511	15.1%
2	Greater Vancouver Regional District	\$10,154,583	-13.2%
3	City of Ottawa	\$4,461,200	-24.3%
4	City of Montréal	\$4,240,288	35.3%
5	City of Edmonton	\$3,610,759	-33.7%
6	Peel Region	\$3,202,084	-17.5%
7	City of Calgary	\$3,167,994	-16.8%
<b>8</b>	<b>York Region</b>	<b>\$2,627,960</b>	<b>-16.6%</b>
9	Durham Region	\$2,505,230	30.3%
10	Waterloo Region	\$1,987,012	30.4%

Source: Local Municipal Building Permit Reports, 2020; Statistics Canada Building Permit Reports and Table 32.2 (unpublished), 2020. Note: List includes: cities, Region's and Regional Districts as defined locally.



The Growth and Development Review provides a snapshot of key development and population indicators in York Region and reports on the competitiveness of York Region's economy within the Greater Toronto and Hamilton Area (GTHA), the Province and Canada.

In 2020, there were an estimated 599,700 jobs and 1,213,600 residents in the Region.

The COVID-19 pandemic and related closures are having a dramatic impact on the global economy. The impact on York Region's economy in 2020 has been severe. It is anticipated that there will be a slow, phased approach to getting people back to work and regular life, based on the advice of public health and safety professionals.

York Region is one of Canada's fastest-growing large urban municipalities and is forecast to reach a population of 2.02 million and employment of 990,000 by 2051. The Region is an attractive location to live and invest and is committed to attracting and retaining employers and residents, as well as making significant infrastructure investments to support growth.

**AGENDA 2.1****MARKHAM PUBLIC LIBRARY BOARD****Regular Meeting****Minutes of First Meeting held on Monday, March 22, 2021 7:07 p.m., Virtual Meeting**

Present from Board: Mr. Alick Siu, Chair  
 Ms. Margaret McGrory, Vice-Chair  
 Ms. Iqra Awan  
 Mr. Raymond Chan  
 Mr. Edward Choi  
 Deputy Mayor Don Hamilton (up to 9.1)  
 Mr. Ben Hendriks  
 Councillor Andrew Keyes  
 Mrs. Pearl Mantell  
 Mrs. Lillian Tolensky  
 Mr. David Whetham  
 Mr. Jay Xie

Guests: Ms. Katherine Grzejszczak, CUPE 905/President  
 Rayanne Lees, CUPE Local 905/ Vice-President  
 Me. Gayle Masak, Resident  
 Mr. Larry Pogue, Retired Staff

Present from Staff: Mrs. Catherine Biss, CEO & Secretary-Treasurer  
 Ms. Andrea Cecchetto, Director, Service Excellence  
 Mrs. Diane Macklin, Director, Community Engagement  
 Ms. Michelle Sawh, Director, Administration & Operational Support  
 Ms. Debbie Walker, Director, Library Strategy & Planning  
 Ms. Megan Garza, Senior Manager, Organizational Transformation  
 Mrs. Hilary Murphy, Manager, Planning & Reporting  
 Mr. Patrick Pan, manager, facilities & Workplace Safety  
 Mr. Shaun McDonough, Research Analyst  
 Mr. Harman Malhi, Manager, Thornhill Community Centre Branch/Thornhill Village Branch  
 Ms. Polly Chan, Financial Analyst  
 Mr. David, Zambrano, Organizational Transformation Manager  
 Mrs. Susan Price, Board Secretary

Regrets: Councillor Keith Irish

**1.0 Call to Order/Approval of Agenda**

Mr. Alick Siu, Chair, called the meeting to order at 7:07 p.m.

Moved by Mrs. Pearl Mantell  
 Seconded by Mr. Ben Hendriks

**Resolved that the agenda be approved.**

Carried.

**AGENDA 2.1****1.1 Declaration of Conflict of Pecuniary Interest**

None.

**1.2 Delegation:  
Response to Rayanne Lees, CUPE Local 905/ Vice-President**

The CEO laid out the timelines of temporary layoffs. Unionized Part Time and Page staff from MPL were placed on Declared Emergency Leave April 12, 2020 and when the Province ended the State of Emergency order on July 24, 2020 these staff were then placed on temporary layoff as of July 25, 2020 due to ongoing pandemic and library branch closures. In her deputation Ms. Lees expressed staff concerns about the unfairness of the decision and the stress that it was causing to the employees.

Further to the January 25, 2021 Delegation Ms. Lees e-mailed the MPL Board posing an additional 5 questions to the Board which the CEO, Mrs. Biss answered on behalf of the Board. In her response the CEO clarified that “the City owns library facilities and while we were able to reopen standalone facilities, we are unable to open branches that are co-located with the Community Centres. We are in constant contact with our partners at the City on recovery and reopening plans and have every intention of reopening our facilities once the Community Centres reopen and we are able to safely expand hours and services to the community.

MPL has started recalling some staff and we are hoping to recall everyone else on temporary layoff once we are able to safely expand hours, services, and locations.

Finally, MPL has ongoing regular communication with the Union and its members regarding recovery and reopening plans, including the recall of those staff who were placed on temporary layoff.

Moved by        Mrs. Lillian Tolensky  
Seconded by    Mrs. Pearl Mantell

**Resolved that the report entitled “Response to Delegation: Rayanne Lees, CUPE Local, 905/Vice-President” be received.**

Carried.

**1.3 Chair's Remarks:****CHAIR'S INDIGENOUS LAND ACKNOWLEDGMENT**

We begin today by acknowledging that we walk upon the traditional territories of Indigenous Peoples and we recognize their history, spirituality, culture and stewardship of the land. We are grateful to all Indigenous groups for their commitment to protect the land and its resources and we are committed to reconciliation, partnership and enhanced understanding.

Mr. Siu asked Directors to introduce any staff members present.  
The Chair reminded the Board that votes would need to be counted and to keep their hands raised until staff can do so.

## AGENDA 2.1

The Chair reminded the Board that the Council Development Services Meeting on Markham Centre Plan Update will be held March 23, 2021 9:00-11:30 am and will be livestreamed.

In January 2021 a letter was sent to all Public Library Boards in Ontario inviting them to appoint to a representative to their Board assembly. Mr. Siu asked Mr. Hendriks to speak to this and Ben advised that it is an opportunity for all Boards to connect with smaller and larger libraries. Margaret McGrory, Vice-Chair has volunteered to attend meetings on behalf of the Markham Public Library Board.

### 2.0 **Approval of Minutes:**

#### 2.1 Library Board Minutes January 25, 2021

Moved by Councillor Andrew Keyes  
Seconded by Mrs. Lillian Tolensky

**Resolved that the minutes of the January 25, 2021 Library Board Meeting be confirmed.**

Carried.

### 2.2 **Consent Agenda:**

Moved by Mrs. Lillian Tolensky  
Seconded by Mr. Raymond Chan

**Resolved that the Consent Agenda comprising Agenda items 2.2 to 2.4.13 and the same are hereby approved as written and the CEO of the Library is hereby authorized and directed to take such action that may be necessary to give effect to the recommendations as therein contained:**

#### 2.3 **Declaration of Due Diligence by the CEO**

#### 2.4 **Communication and Correspondence:**

**2.4.1** Markham Economist & Sun: Markham Native Succeeds With Wood in a World of Metal

**2.4.2** yorkregion.com: Markham library board in bad books with union over layoffs, "threats" to staff  
<https://www.yorkregion.com/news-story/10319829-markham-library-board-in-bad-books-with-union-over-layoffs-threats-to-staff/>

**2.4.3** yorkregion.com: Markham Public Library launches bibliotherapy initiative to support mental wellness  
<https://www.yorkregion.com/news-story/10317604-markham-public-library-launches-bibliotherapy-initiative-to-support-mental-wellness/>

**2.4.4** MarkhamReview.com: MPL celebrates Black History Month  
<https://markhamreview.com/mpl-celebrates-black-history-month/>

**2.4.5** yahoo!news: Markham Public Library launches bibliotherapy initiative to support mental wellness  
<http://yhoo.it/3e70bHx>

**2.4.6** yorkregion.com: Here's what you need to know about Markham's return to red zone  
<https://www.yorkregion.com/news-story/10337376-here-s-what-you-need-to-know-about-markham-s-return-to-red-zone/>

**2.4.7** MarkhamReview.com: Five reasons reading can make you happier  
[Five reasons reading can make you happier – Markham Review](#)

## AGENDA 2.1

- 2.4.8 MarkhamReview, com: MPL launches Kanopy streaming service  
[MPL launches Canopy streaming service – Markham Review](#)
- 2.4.9 Markham Economist & Sun: Letters; Municipalities Must Protect Public Libraries
- 2.4.10 Toronto Star: Markham Public Library's mental wellness programs  
[Seeds, walks, mystery bags and more: How GTA libraries are bringing communities together](#)
- 2.4.11 Markham Review: MPL's April Break Activities  
[MPL's April Break activities – Markham Review](#)
- 2.4.12 OLA and FOPL Pre-Budget Submission
- 2.4.13 Isolation of Library Materials: Letters to the Province

Carried.

### 3.0 CEO's Highlights:

The Chair asked the CEO for her comments, Mrs. Biss noted the following:

- **Municipal Priorities in 2021:** An update to Council regarding the City's BMFT Strategic Plan as implemented through the Departmental Business Plans is planned for April and the Board report regarding Municipal Priorities for 2021 has been moved to the April Board Agenda, to follow the council meeting
- **Milliken Library Renovation:** Pursuant to the Milliken Mills Community Centre Lobby enhancement Project, the entry and adjacent spaces of the Milliken Library will be renovated in 2021. The scope of the renovation includes:
  - A new sorter room with 3-5 bin automated sortation systems
  - A self-service material return unit (the customer induction unit)
  - Two exterior walls mounted material return drop/slots for 24x7 manual returns
  - A universal/family washroom –which will be well received

The library will remain closed as long as it takes to complete the renovations.
- **Content Strategy and Policy: 6 Dr. Seuss Books removed from Publication**  
The estate of Dr. Seuss has decided to cease publication of 6 titles because of racist content. The basic theme of caricature across these six books are people of African descent, Asian descent, Middle Eastern descent and Indigenous descent. Of the six MPL holds 4.  
Due to the very public nature of this announcement there has been a lot of interest in the titles from the public. Normally such material would be moved to Advanced Picture Book or Adult collection, however the price for these items has skyrocketed to the point it has made them a theft risk.

There was a lot of discussion about possible outcomes.

Moved by Mrs. Pearl Mantell  
Seconded by Mr. Ben Hendriks

**Resolved that the report entitled "CEO's Highlight's March 2021" be received.**

Carried.

**AGENDA 2.1**

- 4.0 **Annual Monthly Policy Review**  
(To be undertaken at the January meeting)

- 5.0 **Internal Monitoring Reports:**  
(Compliance list of internal monitoring reports and discussion led by members)

- 5.1 **Executive Limitation: EL-2d Financial Condition**  
(Assigned to Ms. Margaret McGrory)

Ms. McGrory advised that this is a report on Actual and Budgeted Operating expenditures for the twelve-month period ending December 31, 2020. This is the final of the three financial reports to the Board covering fiscal year 2020 (Jan-Dec). She reviewed the report and found it to be complete and compliant.

The Vice-Chair received a couple of queries from the Deputy Mayor Hamilton, clarification on what makes up Travel expenses and Professional Services. Staff explained the different expenses.

There was a question about further line item breakdowns on the reports and the CEO confirmed that although these breakdowns exist within the accounts, the reports are maintained according to City guidelines.

The report confirmed that the CEO and MPL's practices relative to MPL's Financial Condition comply with the requirements of EL-2d policy.

Moved by        Ms. Margaret McGrory  
Seconded by    Deputy Mayor Hamilton

**Resolved that the Report entitled "Internal Monitoring Report -Executive Limitation EI-2d, Financial Condition" be received.**

Carried.

- 5.2 **Executive Limitation: EL-2g Emergency Executive Succession**  
(Assigned to Mr. David Whetham)

Mr. Whetham stated that this annual report provided the Board with the assurance that the CEO will not have fewer than two other executives familiar with Board and CEO issue and processes in order to protect the Board from sudden loss of the CEO services, MPL currently has four.

Mr. Whetham advised that the report is good and complete and he did not receive any questions or concerns from Board members.

The report confirmed that the CEO and MPL's practices relative to MPL's Emergency Executive Succession comply with the requirements of EL-2g policy.

Moved by        Mr. David Whetham  
Seconded by    Deputy Mayor Don Hamilton

**Resolved that the internal monitoring report entitled "Executive Limitation: EI-2g, emergency Executive Succession" be received.**

Carried.

## AGENDA 2.1

### 5.3 **Executive Limitation: EL-2j Communication & Counsel to the Board** (Assigned to Mr. Jay Xie)

Mr. Xie advised that this report provides the Board with triannual affirmation that the Board is informed and supported in its work and covers the period October 2020 to February 2021

Mr.Xie contacted the Board and did not receive any questions or concerns.

The report confirmed that the CEO and MPL's practices relative to MPL's Communication & Counsel comply with the requirements of EL-2j policy.

Moved by        Mr. Jay Xie  
Seconded by    Deputy Mayor Hamilton

**Resolved that the internal monitoring report entitled "Executive Limitation: EL-2j Communication & Counsel to the Board (October 2020 to February 2021), be received.**

Carried.

### 6.0 **Ends:**

#### 6.1 **Strategic Plan Update**

Staff provided a brief overview of the implementation plan for MPL's 2021 Strategic Plan. The report provided the following:

- the three goals: Reading to Transform, Limitless learning and Community Social Cohesion
- the Objectives relative to each
- the Actions (initiatives and projects) to be undertaken to achieve these objectives
- and the expected outcomes or results to be achieved.

#### **Strategic Planning Next Steps-Q2 2021**

1. Confirm timelines for action items
2. Report full implementation plan to board in April.
3. Public Launch of the MPL Strategic Plan for 2021 to 2026.

Staff cautioned that depending on the pace of COVID recovery, some steps may have to be delayed.

Moved by        Mrs. Pearl Mantell  
Seconded by    Mrs. Lillian Tolensky

**Resolved that the report "Strategic Plan Update" be received.**

Carried.

### 7.0 **Governance:**

#### 7.1 **Update from OLBA-Ben Hendriks**

Mr. Hendriks advised the Board that he had attended an OLS/OLBA session today on Municipal relations emphasizing the importance of being connected to Municipal partners.

## AGENDA 2.1

He reminded Board members about an upcoming OLBA Chat on March 25, 2021, **Leaving No One Behind: Ensuring Representation and Accessibility on Your Board**. Ben stressed that Board members should make sure they are on the e-mail list and have access to resources. He suggested that anyone who attended the OLA Super Conference and specifically OLBA Boot camp should email comments to the Board Secretary for insertion in the April Board package. OLBA focused on inclusivity and diversity. There are concerns that libraries are not as diverse as the communities they serve.

### 7.2 2021 Library Capital Budget Report

Staff explained that this was a standard report that requires Board approval for the purpose of the annual Audit.

Moved by        Mrs. Pearl Mantell  
Seconded by    Councillor Andrew Keyes

**Resolved that the Library Board adopts the 2021 Capital Budget of \$2,772,400 for the Library's portion of the City of Markham's 2021 Capital Budget; and,**

**That Staff be authorized and directed to do all things necessary to give effect to this resolution.**

Carried.

### 7.3 2021 Library Operating Budget Report

Staff advised that this was also a standard report requiring Board approval for the annual audit. Staff indicated that this was the Operating Budget that had been approved by Council. There was some discussion and clarifications on expectations going forward. Staff advised that MPL is currently involved with "Scenario Planning" utilizing the best and most current information.

Moved by        Mrs. Lillian Tolensky  
Seconded by    Mr. Ben Hendriks

**Resolved that the Library Board approves the 2021 City of Markham Grant in the amount of \$13,541,673; and,**

**That the Board approves the 2021 Library Operating Budget consisting of Library Income in the amount of \$1,141,689 , and Operating Expenditures (excluding Personnel Ramp-ups) in the amount of \$14,683,362; and,**

**That upon finalization of the 2020 Library audited financial statements, the 2021 Operating Budget be adjusted to reflect the 2020 operating results; and,**

**That the above figures be subject to further adjustment as required throughout the year based on information received from the City of Markham; and,**

**That Staff be authorized and directed to do all things necessary to give effect to this resolution.**

Carried.

### 8.0 Ownership Linkage:

## AGENDA 2.1

### 8.1 **Input from Board Members**

There were no reports from Board members attending events at this time.

### 9.0 **Board Advocacy:**

#### 9.1 **CELA Advocacy Campaign**

The CEO, Mrs. Biss asked that the letter be removed. The situation is a fluid one with additional funding being provided in the short term. The federal government announced March 16 that they would fund 1M for the next year with ongoing monitoring. Mrs. Biss asked the Vice-Chair Ms. McGrory to provide the Board with her understanding of the reasons behind these changes. Ms. McGrory advised the Board that CELA and NNELS receive government funding to support the production of accessible formats of published works for people who cannot read conventional print. The ultimate goal is to have publishers assume responsibility for the accessible publishing of their product. However, this transition will take time and it is likely publishers will require some funding assistance themselves in order to make this possible. In the meantime CELA and NNELS require this government funding to continue.

No recommendation was put forward at this time, however the Board indicated it was in favour of any future advocacy required.

### 10.0 **Education:**

#### 10.1 **Governance Resources for Library Boards**

Staff explained that this was one of the Board Education topics identified for ongoing Library Board development. The list is not comprehensive but does include the following resources:

##### **Library Sector Resources:**

- Governance Hub and Ontario Library Service resources
- Ontario Library Board Association
- United for Libraries

##### **Non-Profit Sector Resources**

- Canadian Society of Association Executives
- Imagine Canada
- Charity Village
- BoardSource

Moved by Ms. Margaret McGrory

Seconded by Mr. Ben Hendriks

**Resolved that the Board receives the report entitled “Governance Resources for Library Boards”**

Carried.

#### 10.2 **Markham Centre Update**

Key points were noted in the report including the City Planning Department’s support for walkable urbanism, the significant increase in geographical area now planned for and options for the library location that had been explored to date.

The report was broken down under sub-sections.

## AGENDA 2.1

### 1. **Markham Centre Secondary Plan Update**

Two milestone events in the Markham Centre Secondary Plan Update process will take place on March 23, 2021: The Update will go to the Development Services Committee for discussion in the morning and in the afternoon the Toronto chapter of the Urban Land Institute will host an event entitled “ULI Toronto: Global Leadership: Markham’s latest big urban vision-Markham Centre”

Markham Centre has been the focus of an intensive planning process since the 1990s. In its latest iteration the scale and boundaries of the Study Area have expanded (now 3kms wide), the population projections have grown to over 100,000 residents and the concept of a network of 15-minute (walkable) communities has been introduced.

### 2. **Markham Centre-Library Timeline**

The concept of a Library in Markham Centre has been explored since 2010

### 3. **2021 Recent Developments**

### 4. **MPL’s Initial 2021 Work plan for Markham Centre Library**

### 5. **Change of Plans: Revised Workplan for the Markham Centre Library Community Consultation**

- Community Survey
- In-person Consultation
- Focus Groups

### 6. **Library Facility Design trends and Example**

- Regenerative Design
- Design for All
- Flexible Design
- Community Co-Design
- Civic Renewal
- Partners in Planning
- Pedagogical Powered Houses

### 7. **Central Libraries**

Staff presented several newer Central Libraries, highlighting the advantages of each and the benefits each provided to their communities. Featured in the presentation were:

- Ottawa
- Halifax Central Library
- Calgary Central Library
- Vancouver Central Library
- Austin, Texas Central Library
- Oslo Public Library

There was significant discussion and enthusiasm for the proposed project. The Board discussed the importance of ensuring that the survey give residents options. They felt there would also be a need for broad-based public consultations. They noted that the work would be complex due to the number of unknowns.

Moved by Mrs. Pearl Mantell  
Seconded by Ms. Margaret McGrory

**Resolved that the Board receives the report entitled “Markham Centre Library Update”.**

Carried.

## AGENDA 2.1

11.0 **Incidental Information**

N/A

12.0 **New Business**

N/A

13.0 **Board Evaluation:**

13.1 **Questionnaire Results: The Board and the CEO**

Moved by Councillor Andrew Keyes

Seconded by Mrs. Pearl Mantell

**Resolved that the report entitled “Questionnaire Results; “The Board and the CEO” be received.**

Carried.

13.2 **Questionnaire: Feedback to the Chair**

The Chair asked the Board to complete the questionnaire and return to the Board Secretary by e-mail as directed.

14.0 **In Camera Agenda**

Moved by Mrs. Lillian Tolensky

Seconded by Mr. Raymond Chan

**Resolved that the Board meet in Camera at 8:36 p.m. to discuss a confidential personnel matter.**

Carried.

The Board returned to its regular meeting at 9:21 p.m.

Moved by Mrs. Lillian Tolensky

Seconded by Mr. Jay Xie

**Resolved that the motions approved In Camera be ratified.**

Carried.

15.0 **Adjournment**

Moved by Mr. Edward Choi that the meeting be adjourned at 9:22 p.m.



## RACE RELATIONS COMMITTEE

### Zoom Meeting

Monday March 1, 2021

6:00 p.m.

### MINUTES

<p><b><u>Attendance:</u></b></p> <p><u>Committee</u></p> <p>Andrew Yu, Chair  Darius Sookrum  Edward Choi  Nayani Nandakumar  Mohamad Mtairek  Madge Logan  Danielle Russell  Claudette Rutherford  Tamarie Warner  Sujane Kandasamy  Councillor Isa Lee (arrived at 7:45 PM)</p> <p><u>Guests</u></p> <p>Mary-ann Chambers  Mayor Frank Scarpitti  Andy Taylor, CAO  Claudia Storto, City Solicitor  Bryan Frois, Chief of Staff</p> <p><u>Staff</u></p> <p>Mona Nazif, Staff Liaison (Senior Manager,  Human Resources)  Hristina Giantsopoulos, Election and  Committee Coordinator</p>	<p><u>Regrets</u></p> <p>Alicia Lauzon, York Regional Police  Hamza Sivanathan  Suat Kenar  Faiz Mohyuddin</p>
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The Race Relations Committee convened at 6:05 PM with Andrew Yu presiding as Chair.

### **1. Chair's Opening Remarks**

Andrew Yu began the meeting by reading the City of Markham Indigenous Land Acknowledgement. He welcomed all the Committee Members, and special guests; Mary Anne Chambers, Mayor Scarpitti, Claudia Storto, Andy Taylor, and Bryan Frois.

### **2. Adoption of Agenda**

**Moved by** Darius Sookrum

**Seconded by** Edward Choi

That the March 1, 2021 Race Relations Committee Agenda be approved.

Carried

### **3. Welcome to new Committee Members by Mayor Scarpitti and Special Guests**

Mayor Scarpitti addressed the Committee and expressed his pride in the Committee's achievements over the years. He acknowledged the passion and enthusiasm in the work done by the Chair, Andrew Yu, Committee Members and Councillor Isa Lee. The Mayor thanked, Mona Nazif for her contributions, especially in recent months and recognized Bryan Frois for his continued efforts. Further appreciation was extended to Mary Anne Chambers for her contributions and that the City is well served by her guidance.

The Mayor took this opportunity to welcome the new Members: Madge Logan; Danielle Russell; Claudette Rutherford; and, Tamarie Warner and thanked them for their commitment in joining the Committee. He noted that the Committee is here to address all racism and work towards an inclusive community. He suggested that all Members spread the word on the work done so far in relation to the Anti-Black Racism E-Learning, the RFP for the Diversity Action Plan, and a call out to fill positions on the Mayors Liaison Committee.

Chair, Andrew Yu thanked the Mayor for his remarks and extended his appreciation on behalf of the Committee to the City. He also thanked all the special guest for attending the meeting.

Andy Taylor, CAO and Claudia Storto, City Solicitor addressed the Committee and extended their appreciation for the commitment and work done so far by Members, and staff and indicated there is more to come. The hiring of a Diversity Equity Inclusion Specialist demonstrates the importance of this role and the work it will do. Additionally, the Race Relations Committee Terms of Reference will be updated in conjunction with those of other advisory groups to facilitate consistency across the groups.

Mary Anne Chambers expressed her commitment to undertake the necessary work and welcomed the new Members. She indicated that the strength of the community stems from the commitment of the Committee and thanked Members for volunteering their time and wisdom to make a difference.

There was a brief question and answer period where the following topics were discussed:

- The role of the Committee as viewed by the Mayor;

- How the City will go beyond events and policies to demonstrate change – showing that Markham is an inclusive community; and,
- The direction of the Committee going forward.

#### **4. Elections for Chair and Vice Chair in April 2021**

There was no discussion on this matter.

#### **5. Approval of Minutes from the February 1, 2021 meeting**

**Moved by** Mohamad Mtairek

**Seconded by** Danielle Russell

That the Minutes of the February 1, 2021 Race Relations Committee meeting be approved as presented.

Carried

#### **6. Business Related to Previous Minutes (February 1, 2021)**

There was an inquiry on an the action plan for round table discussion topics and that updates may be provided in Business Related to Previous Minutes.

Mona Nasif provided an update on the following:

- Public Art: Christina Kakaflikas, Director, Economic Growth, Culture & Entrepreneurship has been invited to an upcoming meeting;
- Public Health and data collection of marginalized communities: Public Health as well as representatives from the City's Emergency Operations Centre have been invited to upcoming meetings. Information on vaccine clinics, location decisions, lessons learned from communications will be provided;
- Data Collection: York Region Police indicated that the timeline to collect and compile data is 2 years and that officials are working with Statistics Canada on this initiative which is in the beginning stages.

The Committee was asked to prepare questions in advance of the attendance of the meetings where the special guests will be in attendance.

In consideration of comments made in relation to reaching out to other groups to learn about each other, staff suggested that the Committee develop a statement on the current objectives, the engagement of constructive dialogues and subsequent action that can be forwarded to Council for endorsement.

#### **7. Many Faces of Markham**

##### **a. Poster Confirmation: work plan and direction**

The Committee expressed preference to poster Option 2 and further discussion ensued regarding the context, consideration of using images from a previous event with real people to address a real issue, and better represent the theme.

Staff appreciated the feedback and follow up on locating a photo to represent the theme and action for the poster.

## **8. City Updates**

Staff provided an update with respect to the launch of public licenses for the Anti-Black Racism E-Learning on the City Portal and invited Members to share the link. There was a brief discussion in relation to concerns over the American content of the module. Staff indicated that while Canadian content was incorporated they were aware of the American references in the development of the module and will provide a response to address concerns.

## **9. Round Table Talk**

There was no discussion.

**10. Next official meeting date: April 12, 2021 at 6:00 PM.**

## **11. Adjournment**

**Moved by** Edward Choi

**Seconded by** Tamarie Warner

That the Race Relations meeting adjourn at 8:04 PM.

**Carried**



Report to: General Committee

Meeting Date: May 10, 2021

**SUBJECT:** 2021 Tax Rates and Levy By-law**PREPARED BY:** Shane Manson, Senior Manager, Revenue & Property Tax**RECOMMENDATION:**

1. That the report dated May 10<sup>th</sup>, 2021 entitled “2021 Tax Rates and Levy By-law” be received; and,
2. That a by-law to provide for the levy and collection of property taxes totalling \$765,868,900 required by the City of Markham, the Regional Municipality of York, Province of Ontario (Education) and Business Improvement Areas, in a form substantially similar to Appendix A (attached), satisfactory to the City Solicitor and provides for the mailing of notices and requesting payment of taxes for the year 2021, as set out as follows, be approved; and,

TAX LEVYING BODY	2021 TAX LEVY AMOUNT
City of Markham	\$164,739,938
Region of York	\$350,366,218
Province of Ontario (Education)	\$250,387,964
Markham Village BIA	\$160,559
Unionville BIA	\$214,221
<b>Total</b>	<b>\$765,868,900</b>

3. That staff be authorized to levy against Markham Stouffville Hospital and Seneca College the annual levy pursuant to Section 323 of the *Municipal Act, 2001*, as outlined in Section 9 of the attached by-law once the required information is received from the Ministry of Training, Colleges and Universities; and,
4. That the attached by-law be passed to authorize the 2021 Tax Rates and Levy By-law; and,
5. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

**PURPOSE:**

The purpose of this report is to obtain authorization for the adoption of the tax rates for the 2021 tax year for the levy requirements of the City of Markham, the Regional Municipality of York and the Province of Ontario (Education).

**BACKGROUND:**

The Municipal Act, 2001 provides that the Council of a local municipality shall, after the adoption of estimates for the year, pass a by-law to levy a separate tax rate upon all property assessed in the local municipality rateable for local municipal purposes, upper tier purposes and education purposes, as may be appropriate.

**OPTIONS/ DISCUSSION:**

Council has approved its 2021 Budget estimates for City services, requiring property taxes to be levied as follows:

2021 City of Markham Tax Levy:	\$164,739,938
2021 Markham Village BIA:	\$160,559
2021 Unionville BIA:	\$214,221

The Regional Municipality of York has approved its 2021 Budget estimates requiring property taxes, Railway Rights of Way and Utilities to be levied as follows:

2021 Regional Municipality of York total requisition:	\$1,219,091,916
2021 City of Markham % share:	28.74%
2021 City of Markham \$ share:	\$350,366,218

All the required regulations establishing the education tax rates for the 2021 property tax levy have been passed by the Province of Ontario and received by the Municipality. The total 2021 levy to be raised for education purposes is \$250,387,964.

Property Tax Installment Dates

The 2021 final tax instalment due dates for the residential class are July 5 and August 5. The non-residential properties are billed later in 2021 due to added provincial legislated requirements. The tax instalment due dates for Commercial, Industrial and Multi-Residential classes are October 5 and November 5.

Property Tax Rates by Classification and Levying Body

Levying Body	Residential	% of Rate	Commercial	% of Rate	Industrial	% of Rate
City	0.153483%	24.25%	0.204455%	13.46%	0.252203%	15.11%
Region	0.326425%	51.58%	0.434831%	28.62%	0.536382%	32.15%
Education	0.153000%	24.17%	0.880000%	57.92%	0.880000%	52.74%
<b>Total</b>	<b>0.632908%</b>	<b>100.00%</b>	<b>1.519286%</b>	<b>100.00%</b>	<b>1.668585%</b>	<b>100.00%</b>

**FINANCIAL CONSIDERATIONS**

The proposed tax rates have been calculated to achieve the tax revenue requirements of the 2021 budgets, as approved by the Councils of the City of Markham and The Regional Municipality of York. The education tax rates are established via a Regulation issued by the Province of Ontario.

**HUMAN RESOURCES CONSIDERATIONS**

Not applicable

**ALIGNMENT WITH STRATEGIC PRIORITIES:**

Not applicable

**BUSINESS UNITS CONSULTED AND AFFECTED:**

Legal Services Department

**RECOMMENDED BY:**

[Insert text here]

[Insert text here]

**ATTACHMENTS:**

Appendix A - Draft Levy By-law

**APPENDIX A: 2021 TAX RATES AND LEVY BY-LAW****THE CORPORATION OF THE CITY OF MARKHAM  
DRAFT BY-LAW NO. 2021-XXX**

BEING A BY-LAW TO PROVIDE FOR THE LEVY AND COLLECTION OF SUMS REQUIRED BY THE CORPORATION OF THE CITY OF MARKHAM FOR THE YEAR 2021 AND TO PROVIDE FOR THE MAILING OF NOTICES REQUIRING PAYMENT OF TAXES FOR THE YEAR 2021.

**WHEREAS** Subsection 312(2) of the *Municipal Act, 2001* provides that the Council of a local municipality shall, after the adoption of estimates for the year, pass a by-law each year to levy a separate tax rate on the assessment in each property class in the local municipality rateable for local municipal purposes; and,

**WHEREAS** Sections 307 and 308 of the said *Act* require taxes to be levied upon the whole of the assessment for real property according to amounts assessed under the *Assessment Act* and that tax rates to be established in the same proportion to tax ratios; and,

**WHEREAS** estimates have been prepared showing the sum of \$164,739,938 raised for the lawful purpose of The Corporation of the City of Markham for the year 2021, \$350,366,218 for the Region of York and \$250,387,964 for the Boards of Education; and,

**WHEREAS** the Assessment Roll made in 2020 and upon which 2021 taxes are to be levied, was returned by the Municipal Property Assessment Corporation and is the last revised Assessment Roll; and

**WHEREAS** the total taxable assessment within the City of Markham is \$103,149,360,029; and,

**NOW THEREFORE** the Council of The Corporation of the City of Markham enacts as follows:

- 1. THAT** the following property tax ratios are to be applied in determining tax rates for taxation in 2021:

PROPERTY CLASS	2021 TAX RATIO
Residential	1.000000
Multi-Residential	1.000000
Commercial	1.332100
Industrial	1.643200
Pipeline	0.919000
Farmland	0.250000
Managed Forest	0.250000

2. **THAT** the sum of \$164,739,938 shall be levied and collected for the City of Markham purposes for the year 2021 such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Residential (RT)	89,070,137,101	0.153483%	136,707,471
Residential Shared as PIL (RH)	2,206,000	0.153483%	3,386
Residential Farm Awaiting Development (R1)	18,322,000	0.038371%	7,030
Multi-Residential (MT/NT)	1,108,531,400	0.153483%	1,701,407
Commercial (CT/DT/ST/GT)	9,001,092,530	0.204455%	18,403,151
Commercial (XT/YT/ZT)	1,855,637,820	0.204455%	3,793,937
Commercial (CU/DU/SU)	74,878,002	0.143118%	107,164
Commercial (XU/YU/ZU)	45,011,400	0.143118%	64,420
Commercial (CJ)	4,231,000	0.143118%	6,055
Commercial (CH)	19,330,800	0.204455%	39,523
Commercial (CX)	282,415,509	0.143118%	404,188
Commercial (C1)	18,376,100	0.038371%	7,051
Industrial (IT/KT/LT)	1,078,750,100	0.252203%	2,720,642
Industrial (IH)	55,851,700	0.252203%	140,860
Industrial (JH)	4,902,000	0.252203%	12,363
Industrial (IU/KU)	13,939,600	0.163932%	22,851
Industrial (IK)	3,600,300	0.163932%	5,902
Industrial (IX)	193,604,100	0.163932%	317,379
Industrial - New Occupied (JT)	30,119,300	0.252203%	75,962
Industrial (II)	50,433,900	0.038371%	19,352
Pipelines (PT)	93,689,000	0.141051%	132,149
Farmland (FT)	122,104,667	0.038371%	46,852
Managed Forest (TT)	2,195,700	0.038371%	843
<b>TOTAL</b>	<b>\$103,149,360,029</b>		<b>\$164,739,938</b>

3. **THAT** the sum of \$350,366,218 shall be levied and collected for the City of Markham's share of the Regional Municipality of York Budget for the year 2021, such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Residential (RT)	89,070,137,101	0.326425%	290,747,195
Residential Shared as PIL (RH)	2,206,000	0.326425%	7,201
Residential Farm Awaiting Development (R1)	18,322,000	0.081606%	14,952
Multi-Residential (MT/NT)	1,108,531,400	0.326425%	3,618,524
Commercial (CT/DT/ST/GT)	9,001,092,530	0.434831%	39,139,541
Commercial (XT/YT/ZT)	1,855,637,820	0.434831%	8,068,888
Commercial (CU/DU/SU)	74,878,002	0.304382%	227,915

Commercial (XU/YU/ZU)	45,011,400	0.304382%	137,006
Commercial (CJ)	4,231,000	0.304382%	12,878
Commercial (CH)	19,330,800	0.434831%	84,056
Commercial (CX)	282,415,509	0.304382%	859,621
Commercial (C1)	18,376,100	0.081606%	14,996
Industrial (IT/KT/LT)	1,078,750,100	0.536382%	5,786,221
Industrial (IH)	55,851,700	0.536382%	299,578
Industrial (JH)	4,902,000	0.536382%	26,293
Industrial (IU/KU)	13,939,600	0.348648%	48,600
Industrial (IK)	3,600,300	0.348648%	12,552
Industrial (IX)	193,604,100	0.348648%	674,997
Industrial - New Occupied (JT)	30,119,300	0.536382%	161,555
Industrial (II)	50,433,900	0.081606%	41,157
Pipelines (PT)	93,689,000	0.299985%	281,053
Farmland (FT)	122,104,667	0.081606%	99,645
Managed Forest (TT)	2,195,700	0.081606%	1,792
<b>TOTAL</b>	<b>\$103,149,360,029</b>		<b>\$350,366,218</b>

4. **THAT** the sum of \$250,387,964 shall be levied and collected for the City of Markham's share of the Boards of Education Budget for the year 2021, such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Residential (RT)	89,070,137,101	0.153000%	136,277,310
Residential Shared as PIL (RH)	2,206,000	0.153000%	3,375
Residential Farm Awaiting Development (R1)	18,322,000	0.038250%	7,008
Multi-Residential (MT/NT)	1,108,531,400	0.153000%	1,696,053
Commercial (CT/DT/ST/GT)	9,001,092,530	0.880000%	79,209,614
Commercial (XT/YT/ZT)	1,855,637,820	0.880000%	16,329,613
Commercial (CU/DU/SU)	74,878,002	0.880000%	658,926
Commercial (XU/YU/ZU)	45,011,400	0.880000%	396,100
Commercial (CX)	282,415,509	0.880000%	2,485,256
Commercial (C1)	18,376,100	0.038250%	7,029
Industrial (IT/KT/LT)	1,078,750,100	0.880000%	9,493,001
Industrial (IU/KU)	13,939,600	0.880000%	122,668
Industrial (IX)	193,604,100	0.880000%	1,703,716
Industrial - New Occupied (JT)	30,119,300	0.880000%	265,050
Industrial (II)	50,433,900	0.038250%	19,291
Pipelines (PT)	93,689,000	0.880000%	824,463
Farmland (FT)	122,104,667	0.038250%	46,705
Managed Forest (TT)	2,195,700	0.038250%	840

<b>TOTAL</b>	<b>\$103,061,444,229</b>		<b>\$249,546,020</b>
Plus: Taxable – Full Share PIL (CH, CJ, IH, JH, IK)			
Taxed at education rate but revenue retained by City			\$841,945
<b>TOTAL EDUCATION LEVY</b>			<b>\$250,387,964</b>

5. **THAT** a Waste Collection and Disposal Grant totaling \$152,583 shall be provided proportionately to the following Residential Condominium properties.

CONDOMINIUM NUMBER	ADDRESS	UNITS
YRC #226	7811 Yonge Street	148
YRC #344	8111 Yonge Street	199
YRC #550	7451 Yonge Street	21
YRC #618	55 Austin Drive	142
YRC #636	25 Austin Drive	149
YRC #784	7805 Bayview Avenue	341
YRC #792	610 Bullock Drive	235
YRC #794	7825 Bayview Avenue	337

6. **THAT** the sum of \$160,559 shall be levied on non-residential properties located within the boundaries of the City of Markham's Markham Village Business Improvement Area for the year 2021, such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Commercial	\$84,957,700	0.188987%	\$160,559

7. **THAT** the sum of \$214,221 shall be levied on non-residential properties located within the boundaries of the City of Markham's Unionville Business Improvement Area for the year 2021, such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Commercial	\$57,696,700	0.371288%	\$214,221

8. **THAT** the sum of \$1,286 shall be levied against all properties in the Farmland Class and collected for membership fees in the Federation of Agriculture for the Region of York for the year 2021, such amount to be provided for as follows:

CLASS	ASSESSMENT	TAX RATE	TAXES
Farmland (FT)	\$122,104,667	0.001053%	1,286

9. **THAT** there shall be a levy upon the Markham Stouffville Hospital in the estimated amount of \$25,200 pursuant to Subsection 323(3) of the *Municipal Act, 2001*, such

amount being the sum of \$75.00 for each of the estimated 336 provincially rated beds and a levy upon Seneca College in the estimated amount of \$159,900 pursuant to Subsection 323(1) of the *Municipal Act, 2001*, such sum being \$75.00 for each of the estimated 2,120 full time enrolled students as determined by the Minister of Training, Colleges and Universities. The figures included here are 2020 figures as the 2021 information is not yet available from the Ministry of Municipal Affairs and Housing.

- 10. THAT** there shall be levied upon Utility Transmission Lines (UH) the sum of \$763,676 for the year 2021, such amount to be provided for as follows:

DESCRIPTION	ACRES	RATE PER ACRE	CITY	REGION	EDUCATION	TOTAL
Hydro One	373.86	\$834.02	\$99,721	\$212,086	--	\$311,807
Hydro One	373.86	\$1,208.66	--	--	\$451,870	\$451,870
<b>TOTAL</b>			<b>\$99,721</b>	<b>\$212,086</b>	<b>\$451,870</b>	<b>\$763,676</b>

\* Education revenue of \$451,870 retained by City

- 11. THAT** there shall be levied upon Railway Rights of Ways (WT) the sum of \$480,180 for the year 2021, such amount to be provided for as follows:

DESCRIPTION	ACRES	RATE PER ACRE	CITY	REGION	EDUCATION	TOTAL
Canadian National Railways	246.66	\$624.33	\$49,251	\$104,746	--	\$153,997
Canadian National Railways	246.66	\$822.69	--	--	\$202,925	\$202,925
Canadian Pacific Railways	48.42	\$624.33	\$9,668	\$20,562	--	\$30,230
Canadian Pacific Railways	48.42	\$822.69	--	--	\$39,835	\$39,835
Metrolinx	85.20	\$624.33	\$17,012	\$36,181	--	\$53,193
<b>TOTAL</b>			<b>\$75,931</b>	<b>\$161,489</b>	<b>\$242,759</b>	<b>\$480,180</b>

- 12. THAT** for the purposes of paying the owners' portion of debt charges pursuant to *Ontario Regulation 390/02* under the *Municipal Act, 2001* (previously the *Local Improvement Act*), as authorized by the following by-laws, the amounts listed below shall be levied and collected from the owners of the properties liable therefore:

EFFECTIVE / EXPIRY DATE	PURPOSE	AMOUNT
(2006-2025)	Buttonville	\$6,178.67

- 13. THAT** for the purposes of paying the owners' portion of debt charges pursuant to Section 391 of the *Municipal Act, 2001* as authorized by the following by-laws, the amounts listed below shall be levied and collected from the owners of the properties liable therefore:

EFFECTIVE / EXPIRY DATE	PURPOSE	AMOUNT
(2007-2021)	Milmar Court	\$6,838.24
(2010-2024)	Robinson St	\$3,791.88
(2013-2022)	Glenridge	\$54,568.47
(2016-2025)	Main Street	\$7,229.40
(2016-2025)	Houghton Blvd	\$36,318.04
<b>TOTAL</b>		<b>\$108,746.03</b>

- 14. THAT** pursuant to Regional By-law No. A-0303-2002-020, a tax rebate totaling \$7,227.81 (City share is \$1,752.78) be provided to the Markham District Veterans Association for its property located at 7 Washington Street for 2021 upon the provision of documentation in a form satisfactory to the Treasurer.

- 15. THAT** the Treasurer shall add to the Collector's Roll, all or any arrears for service provided by: the *Power Commission Act* (hydro-electric power), the *Weed Control Act*, the *Ditches and Watercourses Act*, the *Public Utilities Act*, the *Tile Drainage Act*, and the *Ontario Building Code*; and any other collection agreements charges approved by Council which shall be collected by the Collector in the same manner and at the same time as all other rates and levies.

- 16. THAT** the Interim Tax Levies which were payable in two instalments on February 5, 2021, and March 5, 2021 shall be shown as a reduction on the final levy.

- 17. THAT** the net amount of taxes levied by this By-law shall be due and payable in equal instalments as follows.

PROPERTIES	INSTALMENTS
Residential, Farmland and Pipelines	1. July 5, 2021 2. August 5, 2021
Commercial, Industrial and Multi-Residential	1. October 5, 2021 2. November 5, 2021

- 18. THAT** those residential property owners who have applied and meet the conditions for the Pre-authorized Payment Program for taxes as approved by Council will have the taxes levied under this By-law paid by automatic withdrawal in six (6) equal instalments:

- i. July 1, 2021;
- ii. August 1, 2021;
- iii. September 1, 2021;
- iv. October 1, 2021;

- v. November 1, 2021; and
- vi. December 1, 2021.

**19. THAT** those residential property owners who have applied and meet the conditions for the Pre-authorized Payment Program for taxes as approved by Council will have the taxes levied under this By-law paid by automatic withdrawal in three (3) equal instalments:

- i. July 5, 2021;
- ii. August 5, 2021; and
- iii. September 7, 2021.

**20. THAT** those commercial, industrial and multi-residential property owners who have applied and meet the conditions for the Pre-authorized Payment Program for taxes as approved by Council will have the taxes levied under this By-law paid by automatic withdrawal in three (3) equal instalments:

- i. October 5, 2021;
- ii. November 5, 2021; and
- iii. December 6, 2021.

**21. THAT** those residential property owners who have applied and meet the conditions for the Pre-authorized Payment Program for taxes as approved by Council will have the taxes levied under this By-law paid by automatic withdrawal in two (2) equal instalments:

- i. July 5, 2021; and
- ii. August 5, 2021.

**22. THAT** those commercial, industrial and multi-residential property owners who have applied and meet the conditions for the Pre-authorized Payment Program for taxes as approved by Council will have the taxes levied under this By-law paid by automatic withdrawal in two (2) equal instalments:

- i. October 5, 2021; and
- ii. November 5, 2021

**23. THAT** as provided in Subsections 345(1) and (2) of the *Municipal Act 2001*, if the taxes or any class or instalment thereof so levied in accordance with this By-law remain unpaid following the due date, a penalty of 1 per cent (1.00%) on the fourth day of default, and one and one quarter per cent (1.25%) per month (15% per annum), on the first day each calendar month thereafter, of the taxes remaining unpaid shall be levied until December 31, 2021.

**24. THAT** as provided in Subsection 345(3) of the *Municipal Act, 2001*, if any taxes levied pursuant to this By-law remain unpaid as at December 31, 2021, interest at the rate of one and one quarter per cent (1.25%) per month (15% per annum) of the unpaid taxes shall be levied from January 1, 2022 and for each month or fraction thereof until such taxes are paid.

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- 25. THAT** all taxes levied by any By-law and which remain unpaid as at the date of passing this By-law, shall have interest charged at the same rate of one and one quarter per cent (1.25%) per month (15% per annum) calculated on the unpaid taxes, on the first day of each calendar month thereafter, of the taxes remaining unpaid shall be levied until December 31, 2021.
- 26. THAT** for taxpayers who apply for and are approved for the Property Tax and Stormwater Fee Payment Deferral Program, will be eligible to have late payment charges (penalty and interest) waived starting from the following month of application approval through December 31st, 2021; the Treasurer shall
- i. Establish an interest charge of zero percent (0%) on all property tax arrears for the period starting January 1, 2021 or application approval date to December 31, 2021;
  - ii. Establish a penalty charge of zero percent (0%) on all property tax arrears for the period starting January 1, 2021 or application approval date to December 31, 2021.
- 27. THAT** the Treasurer of The Corporation of The City of Markham is hereby authorized and directed to serve personally or to mail or cause to be mailed notices of the taxes hereby levied to the person or persons taxed at the person's residence or place of business or upon the premises in respect of which the taxes are payable by such person, or the ratepayer's mortgage company or third party designated by the property owner.
- 28. THAT** taxes are payable to The Corporation of The City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Upon payment of any applicable fee, and if paid on or before the due date imprinted on the bill, taxes may also be paid at most chartered banks in the Province of Ontario.
- 29. AND THAT** those residents who qualify for the Low Income Seniors and Low Income Disabled Tax Deferral program shall apply to the City of Markham – Property Tax Division in accordance with the program policies as established by The Regional Municipality of York. The amount of deferral for 2021 will be determined once the application has been received and approved. The deferral amount may not be reflected on the 2021 final tax billing issued in accordance with this By-law.

READ A FIRST, SECOND AND THIRD TIME AND PASSED THIS **xx<sup>th</sup>** DAY OF **APRIL**, 2021.

X  
\_\_\_\_\_  
**KIMBERLEY KITTERINGHAM**  
CITY CLERK

X  
\_\_\_\_\_  
**FRANK SCARPITTI**  
MAYOR



Report to: General Committee

Meeting Date: May 11, 2021

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**SUBJECT:** 2021 March Year-To-Date Results of Operations  
**PREPARED BY:** Jay Pak, Senior Financial Analyst  
 Lisa Chen, Senior Manager Financial Planning and Reporting

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**RECOMMENDATION:**

- 1) THAT the report titled “2021 March Year-To-Date Results of Operations” be received; and,
1. THAT Staff be authorized and directed to do all things necessary to give effect to this resolution.

**EXECUTIVE SUMMARY:**

Council approved the 2021 annual operating budget of \$415.70M on December 9, 2020 which includes the City’s primary operating budget, Planning & Design operating budget, Engineering operating budget, Building Standards operating budget and Waterworks operating budget.

This report provides an overview of the 2021 March year-to-date operating results comparing actual to budget and includes impacts related to the ongoing COVID-19 pandemic.

**Primary Operating Budget (Appendix 1)**

**(Includes winter maintenance, excludes Planning & Design, Engineering, Building Standards and Waterworks)**

All figures (actual, budget and variance) reflect the year-to-date March results (January 1 to March 31).

<b><u>(\$ in millions)</u></b>	<b><u>YTD Mar 2021</u></b>		<b><u>Variance fav./(unfav.)</u></b>	<b><u>% of Budget</u></b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>		
Revenues	\$93.00	\$101.32	(\$8.32)	91.8%
Expenses	<u>63.63</u>	<u>74.92</u>	<u>11.29</u>	84.9%
<b>Surplus excluding winter maintenance</b>	<b>29.37</b>	<b>26.40</b>	<b>2.97</b>	
Winter Maintenance	<u>\$4.32</u>	<u>\$7.88</u>	<u>\$3.56</u>	
<b>Net surplus including winter maintenance</b>	<b><u>\$25.05</u></b>	<b><u>\$18.52</u></b>	<b><u>\$6.53</u></b>	

**City's Surplus excluding winter maintenance**

The major variances are outlined in the chart below:

<b>Revenues</b>	<b>Fav. / (Unfav.)</b>		<b>Expenditures</b>	<b>Fav. / (Unfav.)</b>	
Recreation Services revenue	(\$7.09)	M	Salaries & benefits	\$7.57	M
Theatre, Art Centre and Museum revenue	(\$0.97)	M	Professional services/ office supplies/ training/ travel	\$0.84	M
Parking fines	(\$0.48)	M	Utilities and Streetlight hydro	\$0.72	M
Investment income	(\$0.19)	M	Maintenance & repairs	\$0.54	M
Library revenue	(\$0.15)	M	Contract service agreements	\$0.46	M
Licenses & Permits	(\$0.13)	M	Operating materials & supplies	\$0.42	M
Financial administrative & Legal fees	(\$0.07)	M	Promotion & advertising	\$0.36	M
Federal and Provincial grants	\$0.27	M	COVID-19 expenses	\$0.20	M
Property tax penalty and interest	\$0.61	M	Municipal Contracted Services	\$0.12	M
			Credit Card Service Charges	\$0.10	M
Other	(\$0.12)	M	Other	(\$0.03)	M
<b>Total</b>	<b>(\$8.32)</b>	<b>M</b>	<b>Total</b>	<b>\$11.29</b>	<b>M</b>

**Winter Maintenance**

The 2021 actual winter maintenance expenditures at the end of the March totaled \$4.32M against a budget of \$7.88M, resulting in a favourable variance of \$3.56M.

**Planning & Design (Appendix 2)**

Actual \$0.41M – Budget \$0.86M = Unfavourable variance (\$0.45M)

**Engineering (Appendix 3)**

Actual \$3.84M – Budget \$3.07M = Favourable variance \$0.77M

**Building Standards (Appendix 4)**

Actual \$0.72M – Budget \$0.54M = Favourable variance \$0.18M

**Waterworks (Appendix 5)**

Actual \$1.43M – Budget \$1.56M = Unfavourable variance (\$0.13M)

**PURPOSE:**

To report on the year-to-date actual 2021 operating budget results versus the budgeted 2021 operating budget as at March 31, 2021.

**BACKGROUND:**

Council approved the 2021 annual operating budget of \$415.70M on December 9, 2020 which includes the City's primary operating budget, Planning & Design operating budget, Engineering operating budget, Building Standards operating budget and Waterworks operating budget.

The Planning & Design, Engineering, Building Standards and Waterworks operating budgets are primarily user fee funded, including planning and engineering fees, building permit fees and water billings. Separate reserves have been established to support the department's day-to-day operations and capital programs.

The year to date operating budget is calendarized based on available current year information, historical spending patterns and trends and future projections. The intent and focus of this report is to communicate actual performance against the annual plan and to highlight variances.

All budgets are monitored on a monthly basis and departments provide details of material variances (actual to budget). The variances are reviewed, substantiated and summarized by the Financial Planning department.

This report provides a variance analysis by:

1. City's primary operating budget by Commission/Department; and  
City's primary operating budget by major accounts

## **OPTIONS/ DISCUSSION:**

### **1. CITY'S PRIMARY OPERATING BUDGET BY COMMISSION/DEPARTMENT**

Net results (revenues – expenses) for the three months ended March 31, 2021 by each Commission and Department, summarized by personnel expenditures, non-personnel expenditures and revenues, are provided in Appendices 6 to 11.

The following table is a summary of all commissions year-to-date April results (\$ in millions):

<b><u>Commission</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
CAO's Office, Human Resources and Legal	\$ 0.85	\$ 1.16	\$ 0.31
Community & Fire Services (excl. winter maintenance)	\$ 19.92	\$ 20.65	\$ 0.73
Corporate Services	\$ 4.86	\$ 5.03	\$ 0.17
Development Services	\$ 1.40	\$ 2.05	\$ 0.65
Mayor & Council	\$ 0.62	\$ 0.69	\$ 0.08
Corporate Items	\$ (57.02)	\$ (55.98)	\$ 1.04
<b>Net Expense/ (Revenue)</b>	<b>\$ (29.37)</b>	<b>\$ (26.40)</b>	<b>\$ 2.97</b>

Explanations for variances greater than \$0.05M by each Commission and Department are provided on the following pages.

**CAO's Office, Human Resources and Legal Department (Appendix 6)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
CAO's Office	0.11	0.15	\$ 0.04
Human Resources	0.33	0.59	\$ 0.26
Legal	0.41	0.42	\$ 0.01
<b>Net Expense</b>	<b>\$ 0.85</b>	<b>\$ 1.16</b>	<b>\$ 0.31</b>

**Human Resources** (Actual \$0.33M – Budget \$0.59M = Variance \$0.26M)

Favourable variance of \$0.26M is mainly due to a year-to-date average of three temporary net vacancies and favourability due to timing in recruitment advertising and legal services.

**Community and Fire Services – excluding winter maintenance (Appendix 7)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
Operations	3.66	4.15	\$ 0.49
Fire Services	9.48	9.54	\$ 0.06
Library	2.81	3.98	\$ 1.17
Recreation Services	1.55	0.30	\$ (1.25)
Environmental Services	0.20	0.24	\$ 0.04
Waste	2.30	2.44	\$ 0.14
Commissioner's Office	(0.08)	-	\$ 0.08
<b>Net Expense</b>	<b>\$ 19.92</b>	<b>\$ 20.65</b>	<b>\$ 0.73</b>

**Operations** (Actual \$3.66M – Budget \$4.15M = Variance \$0.49M)

Favourable variance mainly due to a year-to-date average of six temporary net vacancies for \$0.20M and part-time savings of \$0.13M, utility locates \$0.03M and other maintenance & repairs \$0.03M.

**Fire Services** (Actual \$9.48M – Budget \$9.54M = Variance \$0.06M)

Favourable variance mainly due to operating materials & supplies (eg. programs expenses, uniforms, public education and training supplies) \$0.05M.

**Library** (Actual \$2.81M – Budget \$3.98M = Variance \$1.17M)

Favourable variance mainly due to part-time savings \$1.10M, year-to-date average of seven temporary net vacancies for \$0.15M offset by lost fine and program revenue of (\$0.15M) related to the closure of facilities and cancellation of programs from the COVID-19 pandemic.

**Recreation Services** (Actual \$1.55M – Budget \$0.30M = Variance (\$1.25M))

Unfavourable variances in ice, gym, pool and soccer rentals totaling (\$2.77M) and spring aquatic and program registration fees totaling (\$4.31M) partially offset by part-time savings \$2.52M, full time savings \$1.70M from redeployments and temporary layoffs,

utilities \$0.45M, facility maintenance \$0.38M and operating materials and supplies \$0.27M. These variances are due to the closure of facilities and cancellation of programs from the COVID-19 pandemic. It is anticipated that Recreation will be on budget by year-end.

**Waste** (Actual \$2.30M – Budget \$2.44M = Variance \$0.14M)

Favourable variance due to the receipt of higher revenue from Waste Diversion Ontario (WDO).

### **Corporate Services (Appendix 8)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b><u>Variance</u></b>	
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>	
Legislative Services & Corporate				
Communications	0.98	0.64	\$	(0.34)
Financial Services	0.64	0.77	\$	0.13
ITS	2.51	2.77	\$	0.26
Sustainability & Asset Management	0.65	0.76	\$	0.11
Commissioner's Office	0.08	0.09	\$	0.01
<b><u>Net Expense</u></b>	<b>\$ 4.86</b>	<b>\$ 5.03</b>	<b>\$</b>	<b>0.17</b>

**Legislative Services & Corporate Communications** (Actual \$0.98M – Budget \$0.64M = Variance (\$0.34M))

Unfavourable variance mainly due to lower volume of parking fines (\$0.51M) and business licenses (\$0.13M) as a result of school and business closures from the COVID-19 pandemic, partially offset by a year-to-date average of seven temporary net vacancies \$0.28M

**Financial Services** (Actual \$0.64M – Budget \$0.77M = Variance \$0.13M)

Favourable variance mainly due to other contracted services \$0.05M and a year-to-date average of one net vacancy \$0.03M.

**ITS** (Actual \$2.51M – Budget \$2.77M = Variance \$0.26M)

Favourable variance mainly due to a year-to-date average of four temporary net vacancies \$0.25M.

**Sustainability & Asset Management** (Actual \$0.65M – Budget \$0.76M = Variance \$0.11M)

Favourable variance mainly due to less than budgeted spending in building maintenance, security and janitorial services.

**Development Services (Appendix 9)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
Culture & Economic Development	0.63	1.15	\$ 0.52
Traffic Operations	0.35	0.46	\$ 0.11
Commissioner's Office	0.42	0.44	\$ 0.02
<b><u>Net Expense</u></b>	<b>\$ 1.40</b>	<b>\$ 2.05</b>	<b>\$ 0.65</b>

**Culture & Economic Development** (Actual \$0.63M – Budget \$1.15M = Variance \$0.52M)

Favourable variance mainly due to fourteen staff redeployed from the culture department to other departments within the corporation \$0.67M, favourability in professional services and promotion and advertising in the Theatre \$0.54M, and one-time Economic Development federal and provincial grants \$0.08M, offset by unfavourable Theatre ticket sales, charges and rentals (\$0.82M). The primary reason for the variances is due to the closure of facilities and cancellation of programs from the COVID-19 pandemic. It is anticipated that the Culture venues will be on budget by year-end.

**Traffic Operations** (Actual \$0.35M – Budget \$0.46M = Variance \$0.11M)

Favourable variance mainly due professional services (school crossing guards) \$0.10M related to the closure of schools from the COVID-19 pandemic.

**Mayor & Council (Appendix 10)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
Mayor & Council	\$ 0.62	\$ 0.69	\$ 0.08
<b><u>Net Expense</u></b>	<b>\$ 0.62</b>	<b>\$ 0.69</b>	<b>\$ 0.08</b>

Mayor & Council includes personnel costs for all Members of Council and Councillor assistants, non-personnel and Councillor discretionary budgets. The YTD variance is due to Councillor discretionary budgets.

**Corporate Items (Appendix 11)**

<b><u>Department</u></b>	<b><u>YTD Mar 2021</u></b>		<b>Variance</b>
	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>fav./(unfav.)</u></b>
Corporate Items	\$ (57.02)	\$ (55.98)	\$ 1.04
<b><u>Net Revenue</u></b>	<b>\$ (57.02)</b>	<b>\$ (55.98)</b>	<b>\$ 1.04</b>

Favourable variance mainly due to property tax penalty and interest \$0.61M from higher than average tax accounts in arrears, lower than budgeted corporate contingency of \$0.24M and utilities and streetlight hydro budgeted savings \$0.21M partially offset by investment income unfavourability of (\$0.19M) from a lower interest rate (\$0.12M) and portfolio balance (\$0.07M). It is anticipated that investment income will be on budget by year-end.

## **2. CITY'S PRIMARY OPERATING BUDGET BY MAJOR ACCOUNTS (excl. winter maintenance)**

At the end of March, the actual operating results excluding winter maintenance, against budget netted a favourable variance of \$2.97M and the breakdown is as follows:

### **REVENUES**

**At the end of March, revenues totalled \$93.00M against a budget of \$101.32M resulting in an unfavourable variance of \$8.32M or 91.8% of the year-to-date budget.**

<b><u>Revenues</u></b>	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>Fav./(Unfav.)</u></b>
Property Taxation Revenues	\$ 82.34 M	\$ 82.42 M	(\$ 0.08 M)
General Revenues	\$ 6.91 M	\$ 7.13 M	(\$ 0.22 M)
User Fees & Service Charges	\$ 1.08 M	\$ 9.34 M	(\$ 8.26 M)
Grant & Subsidy Revenues	\$ 0.69 M	\$ 0.42 M	\$ 0.27 M
Other Income	\$ 1.98 M	\$ 2.01 M	(\$ 0.03 M)
<b>Net Variance</b>	<b>\$ 93.00 M</b>	<b>\$ 101.32 M</b>	<b>(\$ 8.32 M)</b>

**Property Taxation Revenues** (Actual \$82.34M – Budget \$82.42M= Variance (\$0.08M))  
Property taxation revenue YTD budget includes property tax levy.

**General Revenues** (Actual \$6.91M – Budget \$7.13M = Variance (\$0.22M))

The general revenues YTD budget of \$7.13M includes investment income (budget \$3.71M), property tax penalty and interest (budget \$1.54M), parking fines (budget \$0.84M) and business, taxi, marriage and other licences (budget \$1.04M).

General revenues also include Alectra interest and dividends (YTD budget \$0.95M) with a corresponding transfer to the Life Cycle Replacement and Capital Reserve Fund. At year-end, a net \$1.00M is retained in the Operating Budget from Alectra interest and dividends.

YTD general revenues totaled \$6.91M at the end of April against a YTD budget of \$7.13M. The main drivers for the unfavourable variance of \$0.22M are lower volume of parking fines (\$0.51M) and business licenses (\$0.13M) as a result of school and business closures from the COVID-19 pandemic, and investment income of (\$0.19M) offset by property tax penalty and interest \$0.61M from higher than average tax accounts in arrears.

**User Fees and Service Charges** (Actual \$1.08M – Budget \$9.34M= Variance (\$8.26M))

The user fees and services charges YTD budget of \$9.34M includes revenues from programs offered by Recreation, Culture Services and Library departments and service fees such as new property tax account set-up fees, ownership change administrative fees and utility permit fees (budget \$5.37M), and facility rentals for arenas, pools, gym and halls (budget \$2.79M).

User fees and service charges were unfavourable by (\$8.26M), the main drivers of which were unfavourable Recreation user fees and rentals (\$7.09M) and Theatre, Museum and Arts Centres user fees and rentals (\$0.97M) due to the closure of facilities and cancellation of programs from the COVID-19 pandemic.

**Grants & Subsidy Revenues** (Actual \$0.69M – Budget \$0.42M = Variance \$0.27M)

The YTD budget includes Provincial and Federal grants of \$0.42M. The favourable variance of \$0.27M resulted from the receipt of one-time federal and provincial grants.

**Other Income** (Actual \$1.98M – Budget \$2.01M = Variance (\$0.03M))

The unfavourable variance of \$0.03M is mainly due to financial administrative fee on development agreements (\$0.11M) partially offset by smaller variances under \$0.05M.

### **PERSONNEL EXPENDITURES**

**At the end of March, personnel expenditures were favourable by \$7.57M or spending of 78.4% of the year-to-date budget.**

<b><u>Personnel</u></b>	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>Fav./(Unfav.)</u></b>
Full time net of vacancy backfills and part time salaries	\$ 26.84 M	\$ 34.56 M	\$ 7.72 M
Overtime and other personnel costs	\$ 0.66 M	\$ 0.28 M	(\$ 0.39 M)
<b>Total</b>	<b>\$ 27.5 M</b>	<b>\$ 35.07 M</b>	<b>\$ 7.57 M</b>

At the end of March, there were 63 net temporary vacancies resulting in a favourable variance of \$4.04M. There were also part-time savings of \$4.13M. This was partially offset by full year budgeted salary gapping of (\$0.45M) netting a favourable variance of \$7.72M.

Overtime and other personnel costs were unfavourable by (\$0.39M).

### **NON-PERSONNEL EXPENDITURES**

**At the end of March, non-personnel expenditures were favourable by \$3.73M or spending of 90.7% of the year-to-date budget.**

<b><u>Non Personnel Items</u></b>	<b><u>Actual</u></b>	<b><u>Budget</u></b>	<b><u>Fav./(Unfav.)</u></b>
Materials & Supplies	\$ 0.79 M	\$ 1.28 M	\$ 0.49 M
Procured Services	\$ 7.29 M	\$ 10.20 M	\$ 2.91 M
Transfers to Reserves	\$ 27.58 M	\$ 27.62 M	\$ 0.04 M
Other Expenditures	\$ 0.47 M	\$ 0.76 M	\$ 0.29 M
<b>Total</b>	<b>\$ 36.13 M</b>	<b>\$ 39.86 M</b>	<b>\$ 3.73 M</b>

**Materials & Supplies** (Actual \$0.79M – Budget \$1.28M = Variance \$0.49M)

Materials & supplies YTD budget of \$1.28M includes facility maintenance supplies, uniforms, recreation and other program supplies (budget \$0.64M), vehicle supplies such as fuel and repair parts (budget \$0.39M), and printing and office supplies (budget \$0.11M).

The favourable variance of \$0.49M is primarily due to operating materials and supplies \$0.41M (eg. building, program, education, and pool supplies) and vehicle fuel (gas and diesel) and parts \$0.04M.

**Procured Services** (Actual \$7.29M – Budget \$10.20M = Variance \$2.91M)

Procured services YTD budget of \$10.20M includes utilities and streetlight hydro (budget \$2.81M), waste collection (budget \$2.06M), maintenance & repairs of City assets (budget \$1.68M), insurance (budget \$1.24M), and professional services such as Theatre artist/entertainer fees, school crossing guards and external legal services (budget \$0.87M).

Procured Services were favourable \$2.91M primarily due to:

- \$0.84M favourable in professional fees, training, and travel (excl. office supplies which is included under materials & supplies)
- \$0.72M favourable in utilities and streetlight hydro primarily due to lower than budgeted usage related to the closure of facilities from the COVID-19 pandemic
- \$0.54M favourable in maintenance and repairs (streetlight and facility maintenance)
- \$0.46M contract service agreements (facility maintenance contracts)
- \$0.36M promotion and advertising

**Transfers to Reserves** (Actual \$27.58M – Budget \$27.62M = Variance \$0.04M)

The majority of funds are transferred to the Life Cycle and Capital Reserve Fund.

**Other Expenditures** (Actual \$0.47M – Budget \$0.76M = Variance \$0.29M)

Other expenditures YTD budget of \$0.76M includes contingency expense and non-personnel ramp ups \$0.70M and property tax adjustments \$0.02M. Year to date variance of \$0.29M is mainly due to lower corporate contingency expenditures of \$0.24M.

**Winter Maintenance**

The 2021 actual winter maintenance expenditures at the end of the March totaled \$4.32M against a budget of \$7.88M, resulting in a favourable variance of \$3.56M.

The City's winter maintenance budget includes personnel expenditures, salt and sand purchases as well as five service contracts:

1. Supply and operation of tandem/single combination plow to sand and plow the City's primary road network;
2. Supply and operation of loaders to assist in the snow removal in cul-de-sacs, wide corners and rear lanes;
3. Grader rentals to remove snow on the City's local road networks;
4. Sidewalk snow removal; and
5. Windrow snow clearing services for eligible applicants

The four winter maintenance contracts have a fixed cost component of 38% and variable cost component of 62%. The fixed costs (standby costs) are charged throughout the

winter months whether or not services are rendered in order to cover the contractor's capital costs.

The variable costs are based on service hours provided.

The winter maintenance expenditures were favourable by \$3.56M as follows:

<u>Description</u>	<u>Actual</u>		<u>Budget</u>		<u>Variance Fav./(Unfav.)</u>	
					<u>Hours</u>	<u>\$M</u>
Sidewalk (per unit of equipment)	108	hrs	256	hrs	148 hrs	0.88
Tandem (per unit of equipment)	105	hrs	224	hrs	119 hrs	0.58
Graders and windrows (per unit of equipment)	7	hrs	95	hrs	89 hrs	0.71
Loader (per unit of equipment)	23	hrs	131	hrs	108 hrs	0.62
Salt & Sand	8,486	tonnes	17,518	tonnes	9,032 tonnes	0.82
Part-time & overtime costs						(0.25)
Other winter maintenance costs						0.20
<b>Winter maintenance favourable variance</b>						<b>3.56</b>

### **Planning & Design (Appendix 2)**

**Actual \$0.41M – Budget \$0.86M = Unfavourable variance (\$0.45M)**

At the end of March, the Planning department had a surplus of \$0.41M against a budgeted surplus of \$0.86M. The unfavourable variance of (\$0.45M) was mainly due to lower than budgeted planning and design fees of (\$0.76M) partially offset by a year-to-date average of three temporary net vacancies.

### **Engineering (Appendix 3)**

**Actual \$3.84M – Budget \$3.07M = Favourable variance \$0.77M**

At the end of March, the Engineering Department had a surplus of \$3.84M against a budgeted surplus of \$3.07M. The favourable variance of \$0.77M was due to higher than budgeted Engineering fees of \$0.64M and year-to-date average of three temporary net vacancies.

### **Building Standards (Appendix 4)**

**Actual \$0.72M – Budget \$0.54M = Favourable variance \$0.18M**

At the end of March, the Building Standards department had a surplus of \$0.72M against a budgeted surplus of \$0.54M. The favourable variance of \$0.18M was mainly due to year-to-date average of two temporary net vacancies.

**Waterworks (Appendix 5)**
**Actual \$1.43M – Budget \$1.56M = Unfavourable variance (\$0.13M)**

At the end of March, the Waterworks department had a surplus of \$1.43M against a budgeted surplus of \$1.56M. The main drivers for the unfavourable variance of \$0.13M were as follows:

At the end of March, the Waterworks department had a surplus of \$1.43M against a budgeted surplus of \$1.56M. The main drivers for the unfavourable variance of \$0.13M were as follows:

- Lower than budgeted consumption and higher non-revenue water (12.5% actual consumption vs 11% budgeted) resulted in a net unfavourable variance of (\$0.54M).
- Lower revenues resulting in an unfavourable variance of (\$0.17M) due primarily to lower water meter installation fees and developer fees for services
- Lower non-personnel costs resulting in a favourable variance of \$0.45M due to lower operating and water, sewer and roadwork materials and supplies cost

Lower personnel costs resulting in a favourable variance of \$0.13M due to temporary vacancies

**FINANCIAL CONSIDERATIONS**

The primary operating budget results are trending favourably based on a mild winter and measures implemented to offset the impacts due to COVID-19. Staff will continue to monitor the results of operations on a monthly basis. The next report will be in September and will include July YTD results of operations and a year-end projection.

**HUMAN RESOURCES CONSIDERATIONS**

[If applicable, outline any additional staffing requirements or impacts to the Collective Bargaining Agreement. Otherwise, insert "Not applicable" and leave the heading]

**ALIGNMENT WITH STRATEGIC PRIORITIES:**

[Demonstrate how the report aligns with the six areas of strategic focus (Growth Management; Transportation/Transit; Environment; Municipal Services; Parks, Recreation, Culture and Library Master Plan/Public Safety and Diversity, including Accessibility), otherwise insert "Not applicable" and leave the heading]

**BUSINESS UNITS CONSULTED AND AFFECTED:**

[Insert text here if required, otherwise insert "Not applicable" and leave the heading]

**RECOMMENDED BY:**

Joel Lustig  
Treasurer

Trinela Cane  
Commissioner Corporate Services

**ATTACHMENTS:****[Appendices 1 to 11:](#)**

Appendix 1 – Primary Operating Budget - Financial Results for the Three Months Ended March 31, 2021

Appendix 2 – Planning & Design Operating Budget - Financial Results for the Three Months Ended March 31, 2021

Appendix 3 – Engineering Operating Budget - Financial Results for the Three Months Ended March 31, 2021

Appendix 4 – Building Standards Operating Budget - Financial Results for the Three Months Ended March 31, 2021

Appendix 5 – Waterworks Operating Budget - Financial Results for the Three Months Ended March 31, 2021

Appendix 6 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – CAO's Office, Human Resources and Legal Department

Appendix 7 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – Community and Fire Services

Appendix 8 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – Corporate Services

Appendix 9 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – Development Services

Appendix 10 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – Mayor & Council

Appendix 11 – Variances by Commission and Department for the Three Months Ended March 31, 2021 – Corporate Items



## APPENDIX 1

**CITY OF MARKHAM**  
**Operating Budget**  
(Including Library, excluding Planning & Design, Engineering, Waterworks and Building Standards)  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	2021 Actual	2021 Budget	Variance fav./(unfav.)	Annual Budget	% of YTD Budget
<b>Revenues</b>					
Property Taxation Revenues	82.34	82.42	(0.08)	168.63	
General Revenues	6.91	7.13	(0.22)	35.09	
User Fees & Service Charges	1.08	9.34	(8.26)	33.04	
Grant & Subsidy Revenues	0.69	0.42	0.27	1.94	
Other Income	1.98	2.01	(0.03)	5.68	
<b>Revenues Total</b>	<b>93.00</b>	<b>101.32</b>	<b>(8.32)</b>	<b>244.38</b>	<b>91.8%</b>
<b>Expenditures</b>					
Salaries & Benefits	27.50	35.07	7.57	142.73	
Material & Supplies	0.79	1.28	0.49	5.92	
Procured Services	7.29	10.20	2.91	43.16	
Transfers to Reserves	27.58	27.62	0.04	37.79	
Other Expenditures	0.47	0.76	0.29	4.07	
<b>Expenditures Total</b>	<b>63.63</b>	<b>74.92</b>	<b>11.29</b>	<b>233.67</b>	<b>84.9%</b>
<b>Surplus not including winter maintenance</b>	<b>29.37</b>	<b>26.40</b>	<b>2.97</b>	<b>10.71</b>	
<b>Winter Maintenance</b>	<b>4.32</b>	<b>7.88</b>	<b>3.56</b>	<b>10.71</b>	
<b>Surplus including winter maintenance</b>	<b>25.05</b>	<b>18.52</b>	<b>6.53</b>	<b>0.00</b>	

## APPENDIX 2

**CITY OF MARKHAM**  
**Planning & Design Operating Budget**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	<b>2021 Actual</b>	<b>2021 Budget</b>	<b>Variance fav./ (unfav.)</b>	<b>Annual Budget</b>	<b>% of YTD Budget</b>
<b>Revenues</b>					
Planning & Design Fees	2.57	3.33	(0.76)	13.50	
<b>Revenues Total</b>	<b>2.57</b>	<b>3.33</b>	<b>(0.76)</b>	<b>13.50</b>	<b>77.2%</b>
<b>Expenditures</b>					
Salaries & Benefits	1.11	1.39	0.28	6.05	
Material & Supplies	0.00	0.01	0.01	0.04	
Procured Services	1.05	1.07	0.02	4.19	
<b>Expenditures Total</b>	<b>2.16</b>	<b>2.47</b>	<b>0.31</b>	<b>10.28</b>	<b>87.4%</b>
<b>Surplus/(Deficit) Before Transfer to/Draw (from) Reserve</b>	<b>0.41</b>	<b>0.86</b>	<b>(0.45)</b>	<b>3.22</b>	
Transfer to Reserve	0.00	0.00	0.00	3.22	
<b>Surplus After Transfer to Reserve</b>	<b>0.41</b>	<b>0.86</b>	<b>(0.45)</b>	<b>0.00</b>	

## APPENDIX 3

**CITY OF MARKHAM**  
**Engineering Operating Budget**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	2021 Actual	2021 Budget	Variance fav./ (unfav.)	Annual Budget	% of YTD Budget
<b>Revenues</b>					
Engineering Fees	5.75	5.11	0.64	8.84	
<b>Revenues Total</b>	<b>5.75</b>	<b>5.11</b>	<b>0.64</b>	<b>8.84</b>	<b>112.5%</b>
<b>Expenditures</b>					
Salaries & Benefits	1.18	1.27	0.09	5.83	
Material & Supplies	0.00	0.01	0.01	0.03	
Procured Services	0.73	0.76	0.03	2.98	
<b>Expenditures Total</b>	<b>1.92</b>	<b>2.04</b>	<b>0.13</b>	<b>8.84</b>	<b>94.1%</b>
<b>Surplus/(Deficit) Before Transfer to/Draw (from) Reserve</b>	<b>3.84</b>	<b>3.07</b>	<b>0.77</b>	<b>0.00</b>	
Transfer to Reserve	0.00	0.00	0.00	0.00	
<b>Surplus After Transfer to Reserve</b>	<b>3.84</b>	<b>3.07</b>	<b>0.77</b>	<b>0.00</b>	

## APPENDIX 4

**CITY OF MARKHAM**  
**Building Standards Operating Budget**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	2021 Actual	2021 Budget	Variance fav./ (unfav.)	Annual Budget	% of YTD Budget
<b>Revenues</b>					
Building Permits	2.81	2.82	(0.01)	11.19	
Other Revenues	0.05	0.02	0.03	0.07	
<b>Revenues Total</b>	<b>2.86</b>	<b>2.84</b>	<b>0.02</b>	<b>11.26</b>	<b>100.7%</b>
<b>Expenditures</b>					
Salaries & Benefits	1.35	1.46	0.11	6.44	
Material & Supplies	0.00	0.02	0.02	0.07	
Procured Services	0.79	0.82	0.03	3.20	
<b>Expenditures Total</b>	<b>2.14</b>	<b>2.30</b>	<b>0.16</b>	<b>9.71</b>	<b>93.0%</b>
<b>Surplus/(Deficit) Before Transfer to/Draw (from) Reserve</b>	<b>0.72</b>	<b>0.54</b>	<b>0.18</b>	<b>1.55</b>	
Transfer to Reserve	0.00	0.00	0.00	1.55	
<b>Surplus After Transfer to Reserve</b>	<b>0.72</b>	<b>0.54</b>	<b>0.18</b>	<b>0.00</b>	

## APPENDIX 5

**CITY OF MARKHAM**  
**Waterworks Operating Budget**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	<b>2021 Actual</b>	<b>2021 Budget</b>	<b>Variance fav./(unfav.)</b>	<b>Annual Budget</b>	<b>% of YTD Budget</b>
<b>Sales &amp; Purchases of Water</b>					
<b>Water Revenue</b>					
Water & Sewer Billing	30.50	30.79	(0.29)	132.63	
<b>Water Expenditure</b>					
Contracted Municipal Services	23.95	23.70	(0.24)	102.12	
<b>Net Sales &amp; Purchases of Water</b>	<b>6.55</b>	<b>7.09</b>	<b>(0.54)</b>	<b>30.50</b>	<b>92.4%</b>
<b>Other Revenues Total</b>	<b>0.13</b>	<b>0.30</b>	<b>(0.17)</b>	<b>1.41</b>	<b>42.7%</b>
<b>Other Expenditures</b>					
Salaries & Benefits	1.73	1.86	0.13	8.19	
Non Personnel Expenditures	3.52	3.98	0.45	7.58	
<b>Expenditures Total</b>	<b>5.25</b>	<b>5.84</b>	<b>0.58</b>	<b>15.77</b>	<b>90.0%</b>
<b>Surplus Before Transfer to Reserve</b>	<b>1.43</b>	<b>1.56</b>	<b>(0.13)</b>	<b>16.15</b>	
Transfer to Reserve	0.00	0.00	0.00	16.15	
<b>Surplus After Transfer to Reserve</b>	<b>1.43</b>	<b>1.56</b>	<b>(0.13)</b>	<b>0.00</b>	

## APPENDIX 6

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**CAO'S Office, Human Resources and Legal Department**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

Department	Fav./ (Unfav.)			
	Personnel	Non-Personnel	Revenue	Total
CAO'S OFFICE	0.02	0.02	0.00	0.04
HUMAN RESOURCES	0.11	0.15	0.00	0.26
LEGAL DEPT.	0.01	0.01	(0.01)	0.01
<b>Total</b>	<b>0.14</b>	<b>0.18</b>	<b>(0.01)</b>	<b>0.31</b>

**APPENDIX 7**

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**Community and Fire Services**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

<b>Department</b>	<b>Fav./ (Unfav.)</b>			
	<b>Personnel</b>	<b>Non-Personnel</b>	<b>Revenue</b>	<b>Total</b>
OPERATIONS	0.37	0.19	(0.07)	0.49
FIRE SERVICES	0.04	0.05	(0.03)	0.06
LIBRARY	1.25	0.07	(0.15)	1.17
RECREATION SERVICES	4.25	1.60	(7.10)	(1.25)
ENVIRONMENTAL SERVICES	0.03	0.01	-	0.04
WASTE	(0.01)	0.02	0.13	0.14
COMMISSIONER'S OFFICE	0.07	0.01	-	0.08
<b>Total Excl. Winter Maintenance</b>	<b>6.00</b>	<b>1.95</b>	<b>(7.22)</b>	<b>0.73</b>
WINTER MAINTENANCE	(0.25)	3.90	(0.09)	3.56
<b>Total</b>	<b>5.75</b>	<b>5.85</b>	<b>(7.31)</b>	<b>4.29</b>

## APPENDIX 8

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**Corporate Services**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

Department	Fav./ (Unfav.)			
	Personnel	Non-Personnel	Revenue	Total
LEGISLATIVE SERVICES & CORPORATE COMMUNICATIONS	0.21	0.25	(0.80)	(0.34)
FINANCIAL SERVICES	0.03	0.09	0.01	0.13
ITS DEPARTMENT	0.22	0.04	-	0.26
SUSTAINABILITY & ASSET MANAGEMENT	(0.02)	0.11	0.02	0.11
COMMISSIONER'S OFFICE	-	0.01	-	0.01
<b>Total</b>	<b>0.44</b>	<b>0.50</b>	<b>(0.77)</b>	<b>0.17</b>

## APPENDIX 9

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**Development Services**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

Department	Fav./ (Unfav.)			
	Personnel	Non-Personnel	Revenue	Total
CULTURE & ECONOMIC DEVELOPMENT	0.67	0.69	(0.84)	0.52
TRAFFIC OPERATIONS	0.02	0.09	-	0.11
COMMISSIONER'S OFFICE	0.01	0.01	-	0.02
<b>Total</b>	<b>0.70</b>	<b>0.79</b>	<b>(0.84)</b>	<b>0.65</b>

**APPENDIX 10**

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**Mayor & Council**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	<b>Fav./ (Unfav.)</b>			
<b>Department</b>	<b>Personnel</b>	<b>Non-Personnel</b>	<b>Revenue</b>	<b>Total</b>
MAYOR & COUNCIL	0.05	0.03	0.00	0.08
<b>Total</b>	<b>0.05</b>	<b>0.03</b>	<b>0.00</b>	<b>0.08</b>

**APPENDIX 11**

**CITY OF MARKHAM**  
**Variances by Commission and Department**  
**Corporate Items**  
**Financial Results for the Three Months Ended Mar 31, 2021**  
(in millions of dollars)

	<b>Fav./ (Unfav.)</b>			
<b>Department</b>	<b>Personnel</b>	<b>Non-Personnel</b>	<b>Revenue</b>	<b>Total</b>
CORPORATE ITEMS	0.07	0.45	0.52	1.04
<b>Total</b>	<b>0.07</b>	<b>0.45</b>	<b>0.52</b>	<b>1.04</b>



Report to: General Committee

Meeting Date: May 10, 2021

**SUBJECT:** The MECP – Markham Distribution System – Drinking Water Inspection Report, February 03, 2021

**PREPARED BY:** Helena Frantzke, Ext. 2449  
Water Quality Coordinator, Environmental Services

**RECOMMENDATION:**

1. That the report entitled “The MECP – Markham Distribution System – Drinking Water Inspection Report, February 03, 2021” be received;
2. And that Staff be authorized and directed to do all things necessary to give effect to this resolution.

**EXECUTIVE SUMMARY:**

Not Applicable

**PURPOSE:**

The purpose of this report is to provide Council with an update on the findings of the Ontario Ministry of Environment, Conservation and Parks (MECP)’s Inspection of Markham’s Water Distribution System undertaken on February 03, 2021. This MECP inspection covered regulatory compliance since our last inspection conducted on January 29, 2020.

**BACKGROUND:**

The objective of the MECP Inspection is to provide a rigorous and comprehensive inspection program for municipal residential drinking water systems to determine if the systems are in compliance with the Safe Drinking Water Act, 2002 (SDWA) and associated Regulations. The Safe Drinking Water Act, 2002 (SDWA) states that a provincial officer may at any reasonable time conduct an inspection for the purpose of determining compliance with regulatory requirements contained within the Act, or any of the associated Regulations. Traditionally, the MECP has conducted an annual inspection of Markham’s Water Distribution System.

On February 03, 2021 the MECP conducted an unannounced virtual inspection of Markham’s Drinking Water Distribution System. The MECP Inspector reviewed Waterworks procedures, policies and records since their last inspection which was held on January 29, 2020.

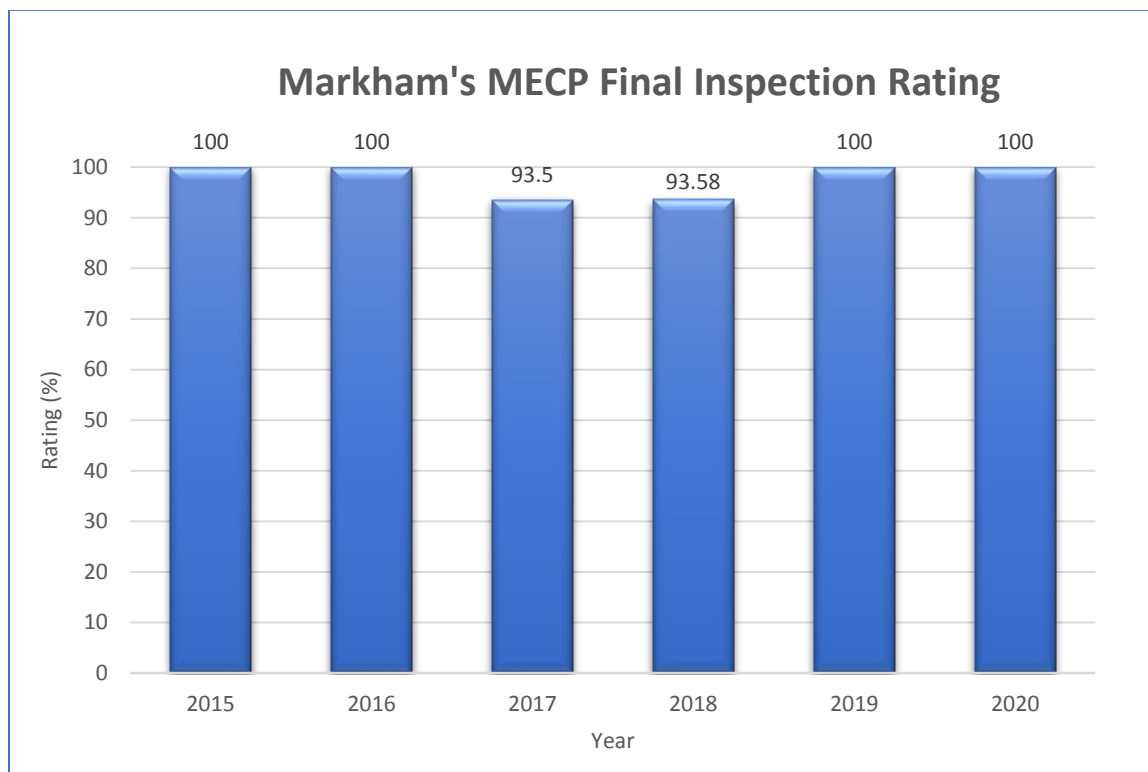
The final MECP inspection report was received on March 25, 2021, (see attachment “A”).

**OPTIONS/ DISCUSSION:**

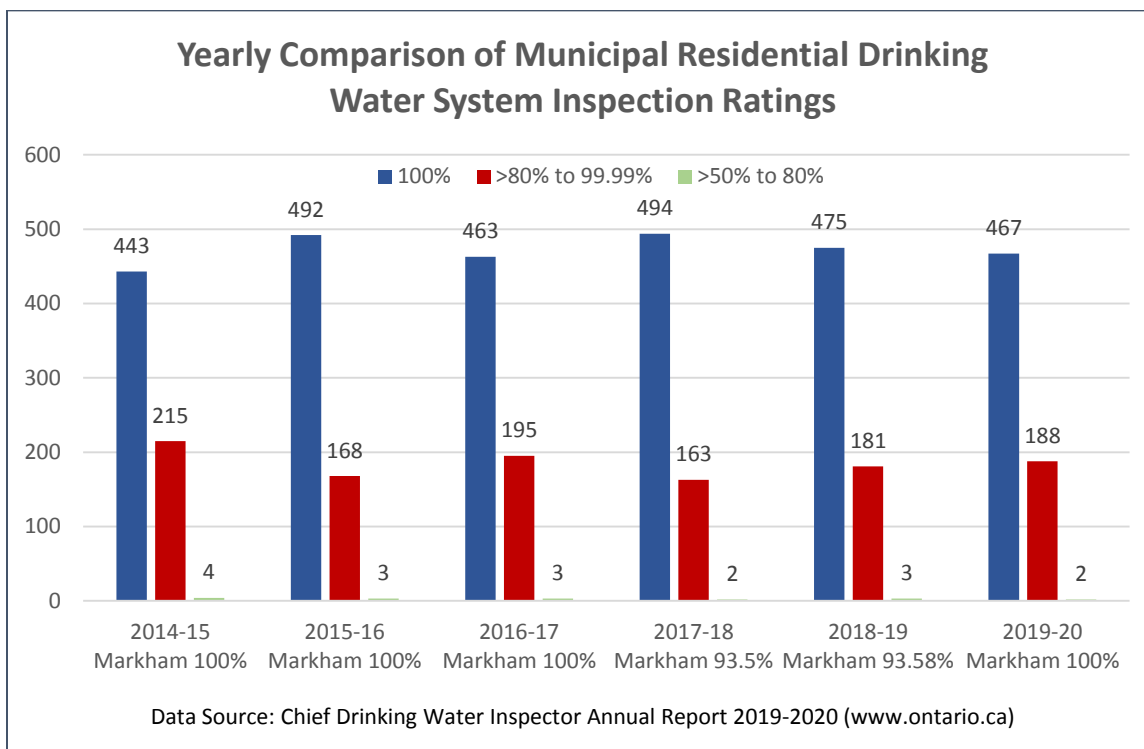
The inspection was conducted in two parts. The first part was an unannounced virtual inspection with the MECP Inspector and Waterworks staff that took place on February 03, 2021. At this time there was a detailed discussion with regard to Markham Waterwork's existing procedures and a video of logbooks was taken as part of the compliance assessment. For the second part, the MECP Inspector requested a list of data and documents which were all provided by staff in a timely manner.

During the inspection time period, between, January 29, 2020 to February 03, 2021, there were no incidents of regulatory non-compliance identified. As a result, the City of Markham received a Final Inspection Rating of 100.0% for compliance with the MECP's Drinking Water Systems Regulation 170/03 during the period covered. This Inspection Rating is used to measure Municipal Residential Drinking Water System Inspection Results. The MECP's inspection program is an important aspect of the MECP's drinking water safety net and the primary goal is to encourage ongoing improvement of drinking water systems and to work toward the goal of 100% regulatory compliance.

Below is a summary of Markham's MECP Inspection Ratings over the past six years:



Below is a comparison of Markham's MECP Inspection Ratings to other municipalities over the last 6 years. The 2020-2021 Municipal Inspection Ratings will be published in October 2021 by the MECP that will capture our latest rating.



### MECP BEST PRACTICE ISSUES AND RECOMMENDATIONS

Recommendations are suggestions that the owner or operating authority should consider implementing in order to advance efforts already in place. Please note recommendations help to improve best practice measures and do not constitute a non-compliance violation.

As part of the inspection the MECP reviewed watermain break logs and water pressure/flow inquiry data. It was noted that the City is made aware of pressure fluctuations within the drinking water system predominately by complaints or inquiries from business owners and/or the public and that the City has processes in place to respond to and investigate these inquiries. As a result of their findings the MECP recommended that the City create a standard operating procedure (SOP) that can capture the current water pressure flow complaint and inquiry processes. Waterworks staff will develop an SOP to reflect our current processes.

### **FINANCIAL CONSIDERATIONS**

Not Applicable

### **HUMAN RESOURCES CONSIDERATIONS**

Not Applicable

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**ALIGNMENT WITH STRATEGIC PRIORITIES:**

The MECP – Markham Distribution System Drinking Water Inspection Report, February 03, 2021 meets legislative requirements and is consistent with the Building Markham's Future Together; specifically a Safe, Sustainable & Complete Community through achieving sustainable Infrastructure Management and Quality Services.

**BUSINESS UNITS CONSULTED AND AFFECTED:**

Not Applicable

The report presented herein, communicates the results of the annual MECP Inspection conducted on February 03, 2021.

The undersigned represent the Top Management of the City of Markham's Drinking Water Distribution system and by signing below the Top management of the Operating Authority have reviewed the MECP Inspection Report.

**RECOMMENDED BY:**

Shumin Gao, P. Eng.  
Manager - Systems Engineering, Environmental Services

Eddy Wu, P. Eng.  
Acting Director, Environmental Services

Andy Taylor  
CAO, City of Markham

**ATTACHMENTS:**

Attachment "A" – The MECP - Markham Distribution System – Drinking Water Inspection Report, February 03, 2021.



Attachment 'A'

**The Ontario Ministry of the Environment, Conservation and Parks**  
**Markham Distribution System**  
**Drinking Water Inspection Report**  
**February 03, 2021**

**Ministry of Environment,  
Conservation and Parks**  
*Drinking Water and Environmental  
Compliance Division*

Central Region

York Durham District Office  
230 Westney Road South, 5th Floor  
Ajax ON L1S 7J5  
Telephone: 905-427-5600  
Toll-Free: 1-800-376-4547  
Fax: 905-427-5602

**Ministère de l'Environnement,  
de la Protection de la nature et des Parcs**  
*Division de la conformité en matière d'eau  
potable et d'environnement*

Région du Centre

Bureau de district de York Durham  
230 route Westney sud, 5e étage  
Ajax ON L1S 7J5  
Téléphone : 905 427-5600  
Sans frais : 1-800-376-4547  
Télécopieur : 905 427-5602



March 25<sup>th</sup>, 2021

City of Markham  
101 Town Centre Blvd  
Markham, On  
L3R 9W3

**Sent by Email: [Theresa.lp@ontario.ca](mailto:Theresa.lp@ontario.ca)**

Attention: Eddy Wu, Director, Environmental Services

RE: Markham Distribution System  
Drinking Water Inspection Report # 1-NU8HS  
File: SI YO MA TO 540A

Please find attached the Ministry of the Environment Conservation and Parks inspection report for the above facility. The report details the findings of the inspection conducted on February 03, 2021.

The Appendix section of the inspection includes the Stakeholder Appendix A with links to key reference and guidance materials available on the Ministry of the Environment Conservation and Parks (MECP) website. Appendix B contains the inspection rating record and an updated risk methodology memo. Appendix C includes information regarding HAA sampling procedures.

Please note the attached IRR methodology memo describing how the risk rating model has improved to better reflect the health related and administrative non-compliance found in an inspection report. IRR ratings are published (for the previous inspection year) in the Ministry's Chief Drinking Water Inspectors' Annual Report.

In the inspection report, any "Actions Required" are linked to incidents of non-compliance with regulatory requirements contained within the Act, a regulation, or site-specific approvals, licenses, permits, orders or instructions. Such violations could result in the issuance of mandatory abatement instruments including Orders, tickets, penalties, or referrals to the ministry's Investigations and Enforcement Branch.

*"Recommended Actions"* convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the availability of information to consumers, and conformance with existing and emerging industrial standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Please note, you will find in the report that bullets are shown in bold print and are the consistent and standard responses to the information gathered during the inspection. Statements shown in regular font provide additional site-specific details.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. Please be aware that the Ministry has encouraged such individuals, particularly municipal councillors, to take steps to be better informed about the drinking water systems over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings. Further information about Section 19 can be found in *"Taking Care of Your Drinking Water: A guide for members of municipal council"* found under "Resources" on the Drinking Water Ontario website at <https://www.ontario.ca/document/taking-care-your-drinking-water-guide-members-municipal-councils>.

I would like to thank the City of Markham staff for the assistance afforded to me during this compliance assessment. If you have any questions or concerns please contact me or Demetra Koros, Water Supervisor, Central Region at 905-409-0496.

Yours truly,



Theresa Ip  
Water Inspector  
Drinking Water and Environmental Compliance Division  
Ministry of the Environment Conservation and Parks  
Phone: (905) 449-9562

ec:

Becky Hester, Manager of Environmental Health, York Region Health Department  
Helena Frantzke, Water Quality Coordinator, City of Markham  
Mario Puopolo, Waterworks Supervisor, City of Markham  
Peter Solymos, Water quality Supervisor, City of Markham  
Don Ford, Senior Manager, Hydrogeology, Toronto and Region Conservation Authority  
Demetra Koros, Water Supervisor, York-Durham District Office, MECP



**Ministry of the Environment, Conservation and Parks**

**MARKHAM DISTRIBUTION SYSTEM**

**Inspection Report**

<b>Site Number:</b>	220004162
<b>Inspection Number:</b>	1-NU8HS
<b>Date of Inspection:</b>	Feb 03, 2021
<b>Inspected By:</b>	Theresa Ip



Ministry of the Environment, Conservation and Parks  
Drinking Water Inspection

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1. Drinking Water System Owners Information
2. Drinking Water System Inspection Report

### **Appendix:**

- A. Stakeholders Appendix
- B. Inspection Rating Record



## Ministry of the Environment, Conservation and Parks Inspection Report

### OWNER INFORMATION:

<b>Company Name:</b>	MARKHAM, THE CORPORATION OF THE CITY OF		
<b>Street Number:</b>	101	<b>Unit Identifier:</b>	
<b>Street Name:</b>	TOWN CENTRE Blvd N		
<b>City:</b>	MARKHAM		
<b>Province:</b>	ON	<b>Postal Code:</b>	L3R 9W3

### CONTACT INFORMATION

<b>Type:</b>	Main Contact	<b>Name:</b>	Helena Frantzke
<b>Phone:</b>	(905) 477-7000	<b>Fax:</b>	(905) 475-4732
<b>Email:</b>	hfrantzke@markham.ca		
<b>Title:</b>	Compliance Coordinator		

<b>Type:</b>	Supervisor	<b>Name:</b>	Peter Solymos
<b>Phone:</b>	(905) 477-7000	<b>Fax:</b>	
<b>Email:</b>	psolymos@markham.ca		
<b>Title:</b>	Supervisor, waterworks		

### INSPECTION DETAILS:

<b>Site Name:</b>	MARKHAM DISTRIBUTION SYSTEM
<b>Site Address:</b>	101 TOWN CENTRE Boulevard North MARKHAM ON L3R 9W3
<b>County/District:</b>	MARKHAM
<b>MECP District/Area Office:</b>	York-Durham District
<b>Health Unit:</b>	YORK REGION HEALTH SERVICES DEPARTMENT
<b>Conservation Authority:</b>	
<b>MNR Office:</b>	
<b>Category:</b>	Large Municipal Residential
<b>Site Number:</b>	220004162
<b>Inspection Type:</b>	Special Unannounced
<b>Inspection Number:</b>	1-NU8HS
<b>Date of Inspection:</b>	Feb 03, 2021
<b>Date of Previous Inspection:</b>	Jan 29, 2020

### COMPONENTS DESCRIPTION

<b>Site (Name):</b>	MOE DWS Mapping	<b>Sub Type:</b>	
<b>Type:</b>	DWS Mapping Point		

<b>Site (Name):</b>	Markham Operation Office	<b>Sub Type:</b>	Other
<b>Type:</b>	Other		

#### Comments:

The Markham Distribution System is owned and operated by the City of Markham, and receives treated water from the City of Toronto and the Region of Peel. The trunk transmission lines, pumping stations, and water storage facilities located within the City of Markham are owned and operated by the Region of York. The Region of York



**Ministry of the Environment, Conservation and Parks  
Inspection Report**

measures and monitors the distribution water flows and volumes directed to the City of Markham through the use of nineteen (19) flow meters located along the Richmond Hill, Vaughan, Stouffville, Toronto and Markham boundaries.

The Markham Distribution System provides potable water to approximately 350,000 residents of Markham and consists of approximately 1,092 km of watermains, 8,803 hydrants, 11,239 valves, and 83,116 service connections.



## INSPECTION SUMMARY:

### Introduction

- The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water policies and guidelines during the inspection period.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This report is based on an inspection of a "stand alone connected distribution system" and was conducted remotely. This type of system receives treated water from a separately owned "donor" system. This report contains elements required to assess key compliance and conformance issues associated with a "receiver" system. This report does not contain items associated with the inspection of the donor system, such as source waters, intakes/wells and treatment facilities.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

Drinking Water Inspector Theresa Ip began an unannounced inspection of the Markham Distribution System on February 3, 2021. This report is based on a "detailed" inspection of the system and was conducted virtually as result of the declaration of emergency (O.Reg. 11/21: Stay-at-Home Order) made on January 12, 2021.

The City of Markham (The City) owns and operates this drinking water system. The City receives treated water from the City of Toronto and the Region of Peel. York Region provides water storage and pressure boosting to the City and acts as a wholesaler of the water to the system. The City of Toronto, Region of Peel and York Region treatment and distribution systems were inspected separately from the Markham Distribution System.

The inspection review period is from January 29, 2020 to February 3, 2021.

The inspection included a compliance assessment of applicable Ministry of the Environment, Conservation and Parks (MECP) legislation, an inspection of the procedures used within the system and a review of records. Documents reviewed in association with this report included, but were not limited to:

- 1) MECP Municipal Drinking Water Licence (the Licence) number 021-101; Issue 8, dated July 19, 2019;
- 2) MECP Drinking Water Works Permit (the Permit) number 021-201; Issue 4, dated July 19, 2019; and
- 3) Other documents maintained by the owner/ operating authority were also reviewed in conjunction with this report.

### Treatment Processes

- The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.

Schedule A of the Permit (DWWP #21-201) contains the following physical components:

- watermains within the City of Markham - Markham Distribution System

- The owner/operating authority was in compliance with the requirement to prepare Form 1 documents as required by their Drinking Water Works Permit during the inspection period.



### Treatment Processes

During the inspection review period, four (4) "Form 1 - Record of Watermains Authorized as a Future Alteration" forms were prepared and reviewed.

- **Where an activity has occurred that could introduce contamination, all parts of the drinking water system were disinfected in accordance with Schedule B, Condition 2.3 of the Drinking Water Works Permit.**

Work Instruction (WI) Operations & Maintenance (O&M) 4.1.00 Revision 12.0, dated July 30, 2019 for Watermain Repairs and/or Modifications was provided for review during the inspection. Prior to the finalization of this Inspection Report, Revision 13.0, dated February 26, 2021 was finalized and provided for review. Revision 13.0 appears to satisfy the Watermain Disinfection Procedure.

Log Breaks & Repairs Cut Sheets were provided for review. During the inspection review period, there was one (1) Category 2 watermain break and eleven (11) Category 1 watermain breaks.

- **The owner had evidence indicating that all chemicals and materials that come in contact with water within the drinking water system met the AWWA and ANSI standards in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit issued under Part V of the SDWA.**

The standard operating procedures (SOP) regarding supplies, equipment and materials were provided for review. Distribution piping and pipe fittings of new watermains appear to meet the requirements of Condition 14 of Schedule B of the Licence.

### Treatment Process Monitoring

- **The secondary disinfectant residual was measured as required for the distribution system.**

The Markham Distribution System serves a population of 349,007, according to the current drinking water system profile. The system is classified as a large municipal residential drinking water system and the owner and operating authority for the system must ensure that at least seven distribution samples are taken each week and are tested immediately for free and total chlorine residual.

Distribution chlorine residuals are measured by two continuous on-line analyzers recording results every 2 minutes. In addition, operation staff collect grab samples each week using a hand-held unit when conducting microbiological sampling, weekly dead end hydrant flushing, and when there are watermain breaks.

Free and Total chlorine residual test results are recorded in the dead end flushing logs, Work Order log sheets and logbooks.

- **Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.**

A report is generated every Monday morning, and on Wednesday and Friday afternoons and provided to all the Overall Responsible Operators (OROs) for review. Daily residual activity logs are also generated and reviewed each day.

- **Samples for chlorine residual analysis were tested using an acceptable portable device.**

During the inspection, an operator completed Work Order No. 765789 to demonstrate the verification of the chlorine analyzer at 8100 Warden Avenue. The ORO assisting with the inspection confirmed that the chlorine residual analysis was performed with an electronic direct read-out colourimetric chlorine analyzer. The read-out on the device was shown during the inspection along with the readings on the on-line analyzers.

- **All continuous monitoring equipment utilized for sampling and testing required by O. Reg.170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6.**



### Treatment Process Monitoring

The minimum chlorine residual required to achieve disinfection at the Markham Distribution System is 0.25 mg/L.

The minimum chlorine alarm (low-low) is set at 0.25 mg/L and the low chlorine alarm is set at 0.40 mg/L. The maximum chlorine alarm (high-high) is set to 3.00 mg/L and the high alarm is set to 2.10 mg/L.

If there is a continuous chlorine analyzer failure, an alarm will be sent to the SCADA standby phone. The SCADA standby operator will access the SCADA laptop or SCADA computer located in the Mezzanine office and notify a Supervisor of the findings.

- **Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format.**

Secondary disinfectant residual is measured by two on-line analyzers and recorded continuously every 2 minutes.

The date and time are recorded with every test result.

- **All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.**

The accuracy of the continuous on-line chlorine analyzer are verified by the operation staff every Monday, Wednesday and Friday through the collection of grab samples and comparison of the test results to the analyzer readings.

During the inspection, an Operator demonstrated chlorine analyzer verification with total and free chlorine grab samples.

The test results of the verification checks, the time of the verification and any required adjustments to the on-line analyzer were recorded in the log sheets and/or work Orders.

In addition, the online chlorine analyzers are calibrated yearly by Hach. Calibration records reviewed show that the analyzers were last conducted on July 21, 2020.

### Distribution System

- **The owner had up-to-date documents describing the distribution components as required.**

Water Distribution System Mapping, dated September 2020, was provided for review during the inspection.

- **There is a backflow prevention program, policy and/or bylaw in place.**

The City of Markham has By-Law #2012-27 that sets out a backflow prevention program that applies to all existing and future properties and any property that may be hazardous or detrimental to the drinking water system. The by-law further prohibits cross connections and requires a cross connection survey report of the plumbing system of properties to which the by-law applies.

- **The owner had implemented a program for the flushing of watermain as per industry standards.**

WI O&M 3.2.01 Flushing of Dead-End Watermain, Revision 5.0, dated January 4, 2019 was provided for review during the inspection and describes weekly activity related to dead-end watermain flushing.

- **Records confirmed that disinfectant residuals were routinely checked at the extremities and "dead ends" of the distribution system.**

Chlorine residual records for tests conducted using hand-held devices during the inspection review period were provided for review and indicated that chlorine residuals are routinely checked during dead-end watermain flushing



### Distribution System

activities.

- **A program was in place for inspecting and exercising valves.**

WI O&M 4.2.05 Main Line Valve Inspection, Revision 3.0, dated August 14, 2017 was provided for review during the inspection and describes valve inspection procedures to ensure that in the event of an emergency, valves are operational with minimal delay or damage. All valves in the system are exercised and inspected within a 4 year cycle.

WI O&M 4.3.02 Valve Inspection & Exercising and Data Collection, Revision 1.0, dated January 26, 2010 was provided for review during the inspection and describes the procedures to ensure that in the event of an emergency, valves can be operated with minimal delay or damage.

- **There was a program in place for inspecting and operating hydrants.**

WI O&M 4.2.01.01 Hydrant Inspection (Winter), Revision 3.0, dated August 14, 2017 was provided for review during the inspection and describes annual hydrant maintenance to prevent hydrants from freezing and to minimize internal leakage. This is conducted annually from September to March.

WI O&M 4.2.01.02 Annual Hydrant Inspection (Spring), Revision 2.0, dated April 14, 2011 was provided for review during the inspection and describes annual hydrant inspections to maintain fire fighting readiness. This work begins each year in April.

- **There was a by-law or policy in place limiting access to hydrants.**

City of Markham By-Law #2012-242 prohibits the operation or taking of water from any City owned hydrant without lawful authority.

- **The owner was able to maintain proper pressures in the distribution system and pressure was monitored to alert the operator of conditions which may lead to loss of pressure below the value under which the system is designed to operate.**

Watermain break logs and water pressure/ flow inquiries were reviewed. At the time of the inspection, it was noted that the City is made aware of pressure fluctuations by complaints or inquiries from business owners and the public. During regular business hours, the Supervisor dispatches an operator to respond. During the afterhours, an on-call operator is dispatched directly.

The City also works with the upper tier municipality of York Region (the Region) to identify pressure issues as the Region monitors pressure at the reservoir. The Region also monitors pressure at revenue meter locations on the transmission lines at the jurisdiction boundaries. Water to Markham flows through the revenue meters.

Please see the section below entitled "SUMMARY OF RECOMMENDATIONS AND BEST PRACTICE ISSUES".

### Operations Manuals

- **Operators and maintenance personnel had ready access to operations and maintenance manuals.**

Operators access the Operations and Maintenance Manual electronically on tablets through the Intalex program. Each operator has a unique password to access the program.

- **The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.**
- **The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.**



### Operations Manuals

Section 16.2 of the Municipal Drinking Water Licence states that the operations and maintenance manual shall include at a minimum:

- 16.2.1 The requirements of this licence and associated procedures;
- 16.2.2 The requirements of the drinking water works permit for the drinking water system;
- 16.2.3 A description of the processes used to achieve secondary disinfection within the drinking water system;
- 16.2.4 Procedures for monitoring and recording the in-process parameters necessary for the control of any treatment subsystem and for assessing the performance of the drinking water system;
- 16.2.5 Procedures for the operation and maintenance of monitoring equipment;
- 16.2.6 Contingency plans and procedures for the provision of adequate equipment and material to deal with emergencies, upset conditions and equipment breakdown;
- 16.2.7 Procedures for dealing with complaints related to the drinking water system, including the recording of the nature of the complaint and any investigation and corrective action taken in respect of the complaint;

The City of Markham QMS Representative maintains all controlled electronic documents. The electronic documents are available to all operators. To ensure all controlled documents are up-to-date, each document undergoes an annual review.

The system maintains an electronic document management system (Intelex) that contain information for the operation and maintenance of water. All operators have access to this.

System Level Documents, Standard Operating Procedures and Work Instructions were provided for review and meet the requirements of Section 16.2 of Schedule B of the Licence.

### Logbooks

- **Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5.**

Records of combined chlorine residuals taken using hand-held devices during the inspection review period were provided for review and indicate that operational checks and tests for combined chlorine residual in the distribution system that was not performed by the continuous chlorine analyzers were conducted by certified operators.

- **For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.**

Records, logs and chain of custody forms were reviewed and show that distribution system chlorine residuals measured by hand-held instruments were recorded along with the operator's name.

All operators working at the City of Markham Distribution System are appropriately certified to conduct operational tests.

- **Logs or other record keeping mechanisms were available for at least five (5) years.**

The System has a storage facility and record-keeping system to keep track of logs and other records for at least five (5) years. The record-keeping procedure is detailed in the System Level Document 5b - Control of Records, dated February 18, 2020.

### Security

- **The owner had provided security measures to protect components of the drinking water system.**



### Security

City of Markham has an automated water station located at 555 Miller Avenue. Pre-paid water access fob keys can be purchased. Commercial water suppliers or contractors can hook up to the water station 24 hours a day.

Backflow Prevention Bylaw 2012-27 is in place, the city reduces the chance of water contamination through backflow incidents at cross connections.

Bulk water can also be used from a fire hydrant if a permit is obtained (Water Bylaw 2019-53 was reviewed).

### Consumer Relations

- **The owner and/or operating authority undertook efforts to promote water conservation and reduce water losses in their system.**

Usage reports from the fire department, estimated volume for dead end flushing and other activities comprise tracking of unaccounted water. A consultant was also hired to conduct leak detection on hydrants and valves in district metering areas to estimate leaks in certain areas. Using the information from the consultants leak detection exercise, the City is able to consider the potential for a replacement program or pressure modulation as part of efforts reduce water losses in the system.

### Certification and Training

- **The overall responsible operator had been designated for each subsystem.**

The System Level Document (SLD) 11, Revision 8.0, dated March 16, 2020 for Personnel Coverage sets out the procedure and process for ensuring sufficient personnel are available to perform the operation and maintenance activities required by the Waterworks Department. This document designates the Operations and Maintenance Manager as the Overall Responsible Operator (ORO) while the Waterworks Supervisors are assigned as standby ORO on a rotational basis.

- **Operators-in-charge had been designated for all subsystems which comprised the drinking water system.**

SLD 11, Revision 8.0, dated March 16, 2020 for Personnel Coverage further designates Waterworks Operators Class 1 and higher as Operator-in-Charge (OICs) during regular business hours and afterhours.

- **All operators possessed the required certification.**

A review of certification records provided by the City and the Operator Listing Report on the Ontario Water Wastewater Certification Office (OWWCO) website confirm that all operators possess valid certification.

- **An adequately licenced operator was designated to act in place of the overall responsible operator when the overall responsible operator was unable to act**

Standby Lists for 2020 and 2021 showing staff coverage on a rotational basis were provided for review, along with a copy of the Waterworks Standby Form demonstrating which staff are on standby and how calls are to be made to the standby staff. This includes coverage for OROs and OICs.

### Water Quality Monitoring

- **All microbiological water quality monitoring requirements for distribution samples were being met.**

The City of Markham Distribution System serves an estimated population of 349,007 people; therefore, 134 samples are required to be obtained monthly as a minimum requirement from within the distribution system. These samples are required to be tested for E. Coli (EC) and total coliforms (TC); and at least 25 percent of the samples are required to be tested for general bacteria populations expressed as colony counts on a heterotrophic plate count (HPC).



### Water Quality Monitoring

- **All haloacetic acid water quality monitoring requirements prescribed by legislation are being conducted within the required frequency and at the required location.**

As of January 1, 2020, the Ontario standard for haloacetic acid (HAA) is 80 ug/L, expressed as a Running Annual Average (RAA) of quarterly testing results.

A review of sample results for the inspection period indicate that HAAs were sampled on February 11, 2020; May 26, 2020; August 25, 2020; and November 26, 2020.

The lab reporting limit for HAAs is <5.3 ug/L. Lab results reviewed indicate that sample results were always less than 5.3 ug/L.

The RAA for the City of Markham is 5.3 ug/L.

The HAA sampling was taken at various locations in the distribution system.

- **All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.**

Section 13-6 of Schedule 13 of O.Reg. 170/03 requires the owner and operating authority for the system to ensure that at least one water sample is collected every three months from points in the distribution system likely to have an elevated potential for the formation of trihalomethanes (THMs).

As of January 1, 2016, the Ontario standard for THMs is 100 ug/L, expressed as a Running Annual Average (RAA) of quarterly testing results.

A review of the sample results for the inspection period indicate that THMs were sampled for on February 11, 2020 (average 12.92 ug/L); May 26, 2020 (average 12.17 ug/L); August 25, 2020 (average 9.3 ug/L); and November 26, 2020 (average 11.17 ug/L).

Twelve (12) THM samples each quarter were confirmed to be sampled at a variety of locations throughout the distribution system that included locations nearer to the point of entry to the distribution system, the middle and the end.

The RAA is 11.39 ug/L.

- **The owner ensured that water samples were taken at the prescribed location.**

A review of the Regulatory Sampling Schedule, chain of custody forms, 2020 and 2021 Sampling Station Maps, and Water Distribution Map, dated September 2020 indicate that samples are being taken at the appropriate locations.

- **All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met.**

In addition to other sampling, testing and monitoring, Condition 1 of Schedule C of MDWL 021-101 Issue 8 dated July 22, 2019 requires the following:

Quarterly samples of Nitrosodimethylamine to be taken from the farthest point in the distribution system.

The highest sample recorded result is 0.0031 ug/L. The Ministry standard is 0.009 ug/L.

Additionally, Schedule D of MDWL 021-101 Issue 8 dated July 22, 2019 provides regulatory relief for lead sampling.



### Water Quality Monitoring

In place of regulatory requirements as per Schedule 15.1 of O.Reg. 170/03, the owner is required to collect and test for lead at ten (10) sampling points in the distribution system, including Alkalinity and pH each year during each sampling period.

This is in effect for the December 15, 2019 to April 15, 2020; June 15, 2020 to October 15, 2020; and December 15, 2020 to April 15, 2021 sampling periods.

Data reviewed during the inspection period confirmed that the System sampled and tested as per the Licence on March 11, 2020 and July 21, 2020.

- **All sampling requirements for lead prescribed by schedule 15.1 of O. Reg. 170/03 were being met.**

The System has relief from regulatory requirements for lead sampling as required by Schedule 15.1 of O.Reg. 170/03. Tables one (1), two (2), and three (3) of Schedule D of the Licence, outlines the lead sampling requirements for the System.

The owner/operator is required to collect lead samples from ten (10) locations in the distribution system between the dates of:

December 15, 2017 to April 15, 2018;  
 June 15, 2018 to October 15, 2018;  
 December 15, 2018 to April 15, 2019;  
 June 15, 2019 to October 15, 2019;  
 December 15, 2019 to April 15, 2020;  
 June 15, 2020 to October 15, 2020; and,  
 December 15, 2020 to April 15, 2021.

At the time of the inspection, lead sample results show that the required amount of lead samples were collected according to sampling procedures on the following dates:

March 11, 2020; and,  
 July 21, 2020.

- **Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained.**

A review of chain of custody forms confirms this.

- **The owner indicated that the required records are kept and will be kept for the required time period.**

It was confirmed with the Water Quality Coordinator and in the System Level Document 5b - Control of Records, dated February 18, 2020 that required records are kept for the required time period as prescribed in Section 13(1)-(3) of O.Reg. 170/03.

### Water Quality Assessment

- **Records did not show that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O.Reg. 169/03).**

During the inspection review period, there were eleven (11) adverse water quality test results. Eight (8) test results indicated a presence of Total coliforms or a result of more than 0 Total coliform colonies. Two (2) test results indicated a non-detect overgrown result for possible Total coliforms and one (1) test result indicated a non-detect overgrown result where Total coliforms or E. coli could not be distinguished. The Ontario Drinking Water Quality Standard for Total coliforms and E. coli is non-detectable.

Resamples were collected and corrective actions were taken for all adverse test results until results met the Ontario



### Water Quality Assessment

Drinking Water Quality Standards for microbiological parameters.

### Reporting & Corrective Actions

- **Corrective actions (as per Schedule 17) had been taken to address adverse conditions, including any other steps that were directed by the Medical Officer of Health.**  
A review of Section 2A - Written Notice by Drinking Water System and Section 2B - Notice of Issue Resolution paperwork submitted by the System to the Ministry indicates that corrective actions were taken as per Schedule 17 of O.Reg. 170/03, and as directed by the Medical Officer of Health.
- **All required notifications of adverse water quality incidents were immediately provided as per O. Reg. 170/03 16-6.**  
A review of Section 1 - Written Notice by Licensed Laboratory and Section 2A - Written Notice by Drinking Water System paper submitted by the System and lab to the Ministry indicates that verbal notifications were provided as per Schedule 16-6 of O.Reg. 170/03.
- **All required written notices of adverse water quality incidents were provided as per O. Reg. 170/03 16-7.**  
A review of Section 2A - Written Notice by Drinking Water System paper submitted by the System to the Ministry indicates that all required written notices of adverse water quality incidents were provided as per Schedule 16-7 of O.Reg. 170/03.
- **In instances where written notice of issue resolution was required by regulation, the notice was provided as per O. Reg. 170/03 16-9.**  
A review of Section 2B - Notice of Issue Resolution paperwork submitted by the System to the Ministry indicates that written notice of issue resolution was provided as per Schedule 16-9 of O.Reg. 170/03.
- **Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions.**  
The chlorine analyzer alarm report, logbook entries, and a current staff signature page; which includes the operator's name, call number, initials and signature, were provided for review. The information provided indicates that where an there was an event triggering an alarm, the alarm was acknowledged and a certified operator responded in a timely manner.
- **Summary Reports for municipal council were completed on time, included the required content, and were distributed in accordance with the regulatory requirements.**  
Confirmation of the 2019 Annual Water Quality Report being presented to Council on March 30, 2020 was provided for review.
- **All changes to the system registration information were provided within ten (10) days of the change.**  
On January 25, 2021, the Water Quality Coordinator submitted an updated Drinking Water System Profile Information form to the Ministry to update on population and information for key contacts at the City.

### Other Inspection Findings

- **The following issues were also noted during the inspection:**  
Watermain break logs and water pressure/ flow inquiries were reviewed. At the time of the inspection, it was noted that the City is made aware of pressure fluctuations by complaints or inquires from business owners and the public. During regular business hours, the Supervisor dispatches an operator to respond. During the afterhours, an on-call operator is dispatched directly.



**Ministry of the Environment, Conservation and Parks  
Inspection Report**

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**Other Inspection Findings**

The City also works with the upper tier municipality of York Region (the Region) to identify pressure issues as the Region monitors pressure at the reservoir. The Region monitors pressure at revenue meter locations on the transmission lines at the jurisdiction boundaries. Water to Markham flows through the revenue meters.

**NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED**

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

Not Applicable



## SUMMARY OF RECOMMENDATIONS AND BEST PRACTICE ISSUES

This section provides a summary of all recommendations and best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following issues and consider measures to address them.

**1. The following issues were also noted during the inspection:**

Watermain break logs and water pressure/ flow inquiries were reviewed. At the time of the inspection, it was noted that the City is made aware of pressure fluctuations by complaints or inquires from business owners and the public. During regular business hours, the Supervisor dispatches an operator to respond. During the afterhours, an on-call operator is dispatched directly.

The City also works with the upper tier municipality of York Region (the Region) to identify pressure issues as the Region monitors pressure at the reservoir. The Region monitors pressure at revenue meter locations on the transmission lines at the jurisdiction boundaries. Water to Markham flows through the revenue meters.

**Recommendation:**

It is recommended that the City create a standard operating procedure (SOP) that can capture the water pressure flow complaint and inquiry processes.

**Ministry of the Environment, Conservation and Parks  
Inspection Report****SIGNATURES**

Inspected By:

Theresa Ip

Signature: (Provincial Officer)

A handwritten signature in black ink that reads "Theresa Ip".

Reviewed &amp; Approved By:

Demetra Koros

Signature: (Supervisor)

A handwritten signature in black ink that reads "D Koros".

Review &amp; Approval Date:

March 25, 2021

Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.



## **APPENDIX A**

### **STAKEHOLDER APPENDIX**

March 2019

# Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or [waterforms@ontario.ca](mailto:waterforms@ontario.ca).

For more information on Ontario's drinking water visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)



PUBLICATION TITLE	PUBLICATION NUMBER
<b>FORMS:</b>	
Drinking Water System Profile Information	
Laboratory Services Notification	
Adverse Test Result Notification	
Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils	
Procedure for Disinfection of Drinking Water in Ontario	
Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids	
Filtration Processes Technical Bulletin	
Ultraviolet Disinfection Technical Bulletin	
Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments	
Certification Guide for Operators and Water Quality Analysts	
Guide to Drinking Water Operator Training Requirements	
Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption	
Drinking Water System Contact List	
Ontario's Drinking Water Quality Management Standard - Pocket Guide	
Watermain Disinfection Procedure	
List of Licensed Laboratories	



## **APPENDIX B**

### **INSPECTION RATING RECORD**

**Ministry of the Environment - Inspection Summary Rating Record (Reporting Year - 2020-2021)**

**DWS Name:** MARKHAM DISTRIBUTION SYSTEM  
**DWS Number:** 220004162  
**DWS Owner:** Markham, The Corporation Of The City Of  
**Municipal Location:** Markham  
**Regulation:** O.REG 170/03  
**Category:** Large Municipal Residential System  
**Type Of Inspection:** Standalone  
**Inspection Date:** February 3, 2021  
**Ministry Office:** York-Durham District

**Maximum Question Rating: 404**

Inspection Module	Non-Compliance Rating
Treatment Processes	0 / 47
Distribution System	0 / 4
Operations Manuals	0 / 42
Logbooks	0 / 22
Certification and Training	0 / 35
Water Quality Monitoring	0 / 71
Reporting & Corrective Actions	0 / 84
Treatment Process Monitoring	0 / 99
<b>TOTAL</b>	<b>0 / 404</b>

**Inspection Risk Rating 0.00%**
**FINAL INSPECTION RATING: 100.00%**

**Ministry of the Environment - Detailed Inspection Rating Record (Reporting Year - 2020-2021)**

<b>DWS Name:</b>	MARKHAM DISTRIBUTION SYSTEM
<b>DWS Number:</b>	220004162
<b>DWS Owner:</b>	Markham, The Corporation Of The City Of
<b>Municipal Location:</b>	Markham

**Regulation:** O.REG 170/03  
**Category:** Large Municipal Residential System  
**Type Of Inspection:** Standalone  
**Inspection Date:** February 3, 2021  
**Ministry Office:** York-Durham District

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**Maximum Question Rating:** 404

<b>Inspection Risk Rating</b>	<b>0.00%</b>
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<b>FINAL INSPECTION RATING:</b>	<b>100.00%</b>
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## **APPENDIX C**

### **HALOACETIC ACIDS (HAAs)**

Ministry of the Environment,  
Conservation and Parks

Compliance, Promotion  
and Support Branch

2<sup>nd</sup> floor  
40 St. Clair Ave West  
Toronto ON M4V 1M2

ministère de l'Environnement, de  
la Protection de la nature et des  
Parcs

Direction de la promotion de la  
conformité  
et du soutien

2<sup>ème</sup> étage  
40, avenue St. Clair Ouest  
Toronto (Ontario) M4V 1M2



**August 1<sup>st</sup>, 2018**

## **RE: Haloacetic Acids (HAAs) Sampling Concerns**

Non-Municipal Year Round Residential Drinking Water System Owners/Operators,

The purpose of this document is to clarify ministry guidance for HAAs sampling. HAAs are disinfection by-products (DBPs) that are formed when dissolved organic matter reacts with chlorine which is added for the purpose of disinfection. Detailed information on HAAs can be found in "Health Canada (2008) Guidelines for Canadian Drinking Water Quality: Guideline Technical Document — Haloacetic Acids".

HAAs are a collection of several different compounds. The haloacetic acids most commonly found in drinking water are monochloroacetic acid (MCA), dichloroacetic acid (DCA), trichloroacetic acid (TCA), monobromoacetic acid (MBA) and dibromoacetic acid (DBA). Total HAAs is the sum of these five haloacetic acids. The HAAs most commonly found in the distribution system of drinking water systems are TCA and DCA. However the presence of bromide ions can result in the formation of MBA and DBA.

### **Sampling Points for HAAs**

The ministry has recognized that more than one sampling location may be needed to characterize the HAAs levels throughout a distribution system. HAA concentrations can vary within and between distribution systems and so monitoring samples should be taken at points in the "middle" of the distribution system (i.e. an average water age, post re-chlorination). In light of the recently introduced HAAs standard of 80 µg/L, which will come in to force on January 1, 2020, the following guidance should be used in developing your monitoring program:

1. As a general rule, all samples described below should be obtained from a sampling point where the free (combined) chlorine residual concentration is maintained over 0.2 mg/L (1.0 mg/L) respectively.
2. First year of sampling: A system's established THM sampling point may be appropriate provided the chlorine concentrations are as described in item 1. If the residual is below the concentrations listed, use a nearby sampling point that meets the recommended residual.
3. Second year of sampling: obtain the sample from another point in the distribution system.
4. Third year of sampling:
  - a. If neither of the running annual averages for HAAs calculated (after year one and two) were higher than one-half of the standard (40 µg/L), the sampling point used in the first year of sampling can be used for compliance in future years.
  - b. If one of the running annual averages is over 40 µg/L, a third sampling point should be chosen using the same criteria as the second year. Subsequent sampling should be conducted from the point which had the highest individual sample result.

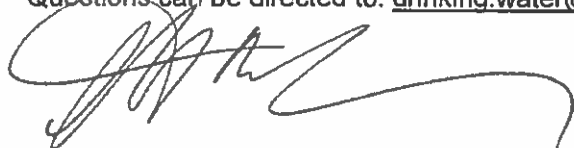
The outlined sampling plan is intended to be flexible and recognizes that sampling for HAAs has been required since 2017. The purpose of this plan is for an operator to understand their distribution system. It will also determine if there is an issue so any steps necessary can be taken to resolve the issue prior to the standard for HAAs coming into effect to avoid adverse water quality incidents for your system.

#### **Factors influencing the creation of HAAs**

The levels of DBPs formed depend on many water quality parameters and operating conditions. In the case of HAAs, higher precursor concentrations (synthetic and natural organic matter, bromide ion) in the raw water, chlorine dose, chlorination pH, water temperature and the residence time will influence the type (THMs, HAAs, etc.) and the levels of DBPs formed. Studies found that surface water sources are more likely to produce higher HAAs than ground water sources.

HAAs concentrations are found to be higher in the distribution system, usually just after the chlorination process. Health Canada studies performed in 2002 and 2003 indicated that concentration of HAAs peaked in the distribution system closer to the chlorine addition point and decreased in the extremities of the system. Furthermore, the location of peak HAA values in a distribution system tends to change throughout the year, it is likely to be closer to the chlorine addition point in the summer and fall and further away from the point in the winter and spring. Precipitation and runoff events can also affect DBPs.

Questions can be directed to: [drinking.water@ontario.ca](mailto:drinking.water@ontario.ca).



Scott McCharles on behalf of Cammy Mack  
Director, Compliance, Promotion and Support Branch  
Ministry of the Environment, Conservation and Parks



Report to: General Committee

Meeting Date: May 10, 2021

**SUBJECT:** Operations Winter Maintenance Updates  
**PREPARED BY:** David Plant – Sr. Manager, Parks, Horticulture and Forestry  
 Barry Budhu – Sr. Manager, Roads, Survey and Utility

### **RECOMMENDATIONS:**

1. That the report titled “Operations Winter Maintenance Updates” be received; and,
2. That the existing practice for not clearing snow on non-asphalt pathways be continued; and,
3. That the staff recommendations for the 2021 – 2022 winter season for park pathway clearing be adopted; and,
4. That the estimated cost of \$121,711.29 for clearing pathways City-wide be funded from the existing 2021-2022 winter maintenance operating budget; and,
5. That the staff recommendations for the development of 3-4 potential key skating surfaces throughout the City at an estimated one-time cost of \$27,624.00 to be funded from the existing 2021-2022 Parks Facility Maintenance operating budget be adopted; and
6. That staff be authorized and directed to do all things necessary to give effect to this resolution.

### **PURPOSE:**

At the General Committee of November 18, 2019 staff were directed to implement a citywide pilot project for pathway winter maintenance. The pilot program would identify one pathway in each ward to receive winter maintenance with a similar service level as sidewalks for the 2020/2021 winter season. A subsequent evaluation was to be carried out to assess the merits of the pilot which would include resident feedback, path usage, environmental impacts, winter operations, spring repair/maintenance, and cost implications.

At the Council Committee meeting of February 23, 2021 staff were directed to investigate developing 3-4 potential key skating surfaces located throughout the City, in addition to artificial public rinks, and report back on potential sites and costs.

---

**PATHWAY WINTER MAINTENANCE BACKGROUND:*****Markham Pathway Winter Maintenance Practices***

Pathways are considerably different than sidewalks in terms of use and method of construction. Sidewalks are primarily constructed of concrete and are located within the road right of way throughout the City to provide safe pedestrian transportation to transit, schools, community center etc. Sidewalks located on all roads within the City inclusive of sidewalks located on the Region of York right of ways are maintained by the City. Additionally, current practice is to plow hard surface pathways that connect street to street; except where the grade is too severe or not properly illuminated at both ends to provide safe pedestrian passage.

Service levels for sidewalks are mandated by the Province, Ontario reg. 239/02, which requires sidewalks be cleared within 24 hours after the end of a storm and that the City meets this standard. The City aligns service levels on Multi-use Pathways (MUP) to that of sidewalks. Early renditions of MUP's were constructed of asphalt but have since been standardized to be constructed of concrete.

There is currently no provincially legislated service level for maintaining pathways which are covered under the Occupiers Liability Act. While the City currently provides safe transportation routes on sidewalks, pathways are often interconnected with other pathways such as those located on school properties which aren't maintained during winter months. City pathways located in parks, valley lands, and those that connect the road network to unmaintained surfaces or private property are currently posted NO WINTER MAINTENANCE PROVIDED. Maintenance has not been provided for the following reasons:

- Pathways can be constructed of asphalt, gravel or simply be a well-worn path;
- Limestone pathways provide durable, accessible and environmentally sustainable recreational surfaces. Granular surfaces cannot be plowed without extensive surface drainage;
- Pathway widths vary considerably;
- Pathway bedding construction is different than sidewalks as increased bedding is required to support the machines required to provide maintenance;
- Pathways are not marked by visual indicators, and are difficult to determine alignment when snow-covered;
- Damage to pathway surfacing is probable during winter operations producing trip hazards;
- Positive drainage during freeze/thaw cycles in pathways is inconsistent resulting in puddles that freeze, exposing the City's risk exposure for claims due to slips and falls;
- Pathways are not typically illuminated ensuring safe footing for pedestrian use;
- Damage to pathway turf edges will be extensive necessitating spring repairs currently not undertaken. Additional staffing will be required to undertake these repairs. Additional cost for soil, seed and equipment will also be required;

- 
- Environmental impact of using salt adjacent to water courses contradicts the intent of the City's salt management best practices and sustainable stewardship of parks;
  - Pathways often have different surface types from hard surface asphalt to granular materials. This poses risks to the Operator.

### **2020-2021 PATHWAY WINTER MAINTENANCE PILOT PROJECT:**

Following the direction of General Committee at the November 18, 2019 meeting, a pilot project was initiated in the winter of 2020-2021 to clear one (1) park pathway per City ward employing a public survey tool to gauge resident interest in this service. Pathways selected for the pilot project met the following criteria:

1. Being composed of asphalt and being relatively level
2. Providing a significant shortcut for pedestrians and deemed as a seasonally high use.

Prior to a recommendation being made the total length of the proposed pathways was calculated and applied to the 2019-2020 cost per lane kilometer of contracted sidewalk winter maintenance.

With the assistance of Corporate Communications, Operations conducted a "Your Voice Markham" survey with 385 individual respondents who provided the City with the following key findings:

1. 62% percent of respondents who completed the survey used the Pilot pathways
2. 80% of users reported their use for recreation purposes.
3. The support to maintain the pathways to the same level of service as municipal sidewalks was somewhat split with 39% in Agreement and 46% in Disagreement while 15% were undecided.
4. 50% of respondents did not support paying any additional cost while 36% said that they would pay from \$1-\$15 more.

### **RECOMMENDATIONS FOR PATHWAY WINTER MAINTENANCE:**

Based on the results from the winter of 2020/2021 and the resident feedback from the "Your Voice Markham" survey Operations recommends the following actions.

1. Undertake winter maintenance of parks asphalt pathways citywide totaling 29,501m with service delivery within 48 - 72 hours of the end of the winter event to prevent a negative budget impact.
2. Track maintenance expenses in 2021/2022 for offset of costs against favorable variances in the Operations winter maintenance budgets.
3. Service the parks pathways utilizing in-house staff with the appropriate allocation of additional resources required.
4. Sign all pathways being maintained with clear expectations for service and liability as approved by the Manager of Risk and Liability.

5. Continue the practice of not maintaining pathways which have granular surfacing and continue to sign them for no maintenance to warn users of the hazard.

#### **FINANCIAL CONSIDERATIONS AND TEMPLATE:**

The 2020/2021 estimated and actual cost to maintain 8 pathways Citywide totaling 3,935 meters (does not include pathway in Milne Dam Park) is as follows.

Activity	Estimated Cost	Actual Cost	Variance	Notes
Snow Clearing	\$13,711.43	\$8,515.84	\$5,195.59	Based on sidewalk winter Estimated maintenance cost per km of \$3,484.48/km and actual \$2,164.13/km due to mild winter
Repair costs/Asphalt	\$3,567.50	\$0.00	\$3,567.50	Based on 2.5% of the annual pathway resurfacing program
Repair costs turf	\$7,860.16	\$500.00	\$7,360.16	Based on in-house turf maintenance cost of \$7.99 per meter.
Resources required City/Hired	Hired and City			
Total costs	\$25,139.09	\$9,015.84	\$16,123.25	Favorability due to mild winter

The 2020/2021 projected costs were based on average winter activity and past years actual costs. The winter was mild and the frequency of service was reduced resulting in more favorable costs. Mild winters are factored into cost averaging and do not suggest a trend for reduced costs long term.

After careful consideration within Operations the 2021 park pathway maintenance will be undertaken by City crews and prioritized for service within 48 hours of the end of the snow event.

The 2021/2022 estimated costs to maintain 95 pathways Citywide totaling 29,501 meters is as follows.

Activity	Estimated Cost	Notes
Snow Clearing	\$102,795.64	Estimated maintenance cost of \$3,484.48/km
Repair cost/Asphalt	\$7,130.00	5% of annual pathway resurfacing program
Repair costs turf	\$11,785.65	5% of total length at \$7.99 per meter in house cost
Resources required	City	City sidewalk units/115 day seasonal staff
Total costs	\$121,711.29	Total estimated costs

<b>2021 Winter Maintenance</b>				
Total Budget	Q1 Budget	Q1 Actual	Variance	Remaining Budget
\$10,709,840	\$7,881,097	\$4,318,592	<b>\$3,562,505</b>	\$6,391,248

### **PROPOSED CITY OPERATED SKATING SURFACE SITES:**

As per Council resolution of item 8.2.2 at the February 23, 2021 meeting staff were directed to look into developing 3-4 potential key skating surfaces in addition to artificial public rinks, and to report back on potential sites and costs.

For the development of 3-4 potential key skating surfaces throughout the City the following criteria was applied.

1. The site has or can be fitted with a winterized water supply
2. The site has a dedicated parking area not simply on-street parking
3. The site preferably has access to public transit
4. The site has an area of level ground where the construction of a skating facility would not negatively impact existing site amenities
5. The geographic location corresponds to the other selections to provide Citywide access
6. The site does not conflict with existing community volunteer ice rink locations

Following this process of evaluation the following locations were selected for consideration in the 2021/2022 season as outlined in Appendix B.

1. Markham Museum
2. Milne Dam Park
3. Victoria Square Park
4. Huntington Park

### **Cost to Implement in 2021:**

Year 1 – approximately \$27,624.00 required for infrastructure and materials (winterizing/upgrade of water connections, liners, lumber and hoses).

Year 2-5 – approximately \$5,500.00 required for yearly materials (cost of liners & lumber for set-up).

### **HUMAN RESOURCES CONSIDERATIONS:**

Not applicable.

### **ALIGNMENT WITH STRATEGIC PRIORITIES:**

Transportation and Transit, Municipal Services, Parks, Public Safety and Accessibility

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**BUSINESS UNITS CONSULTED AND AFFECTED:**

Financial Service, Communications and Community Engagement, Legislative Services (Contact Centre) have been consulted in preparation of this report.

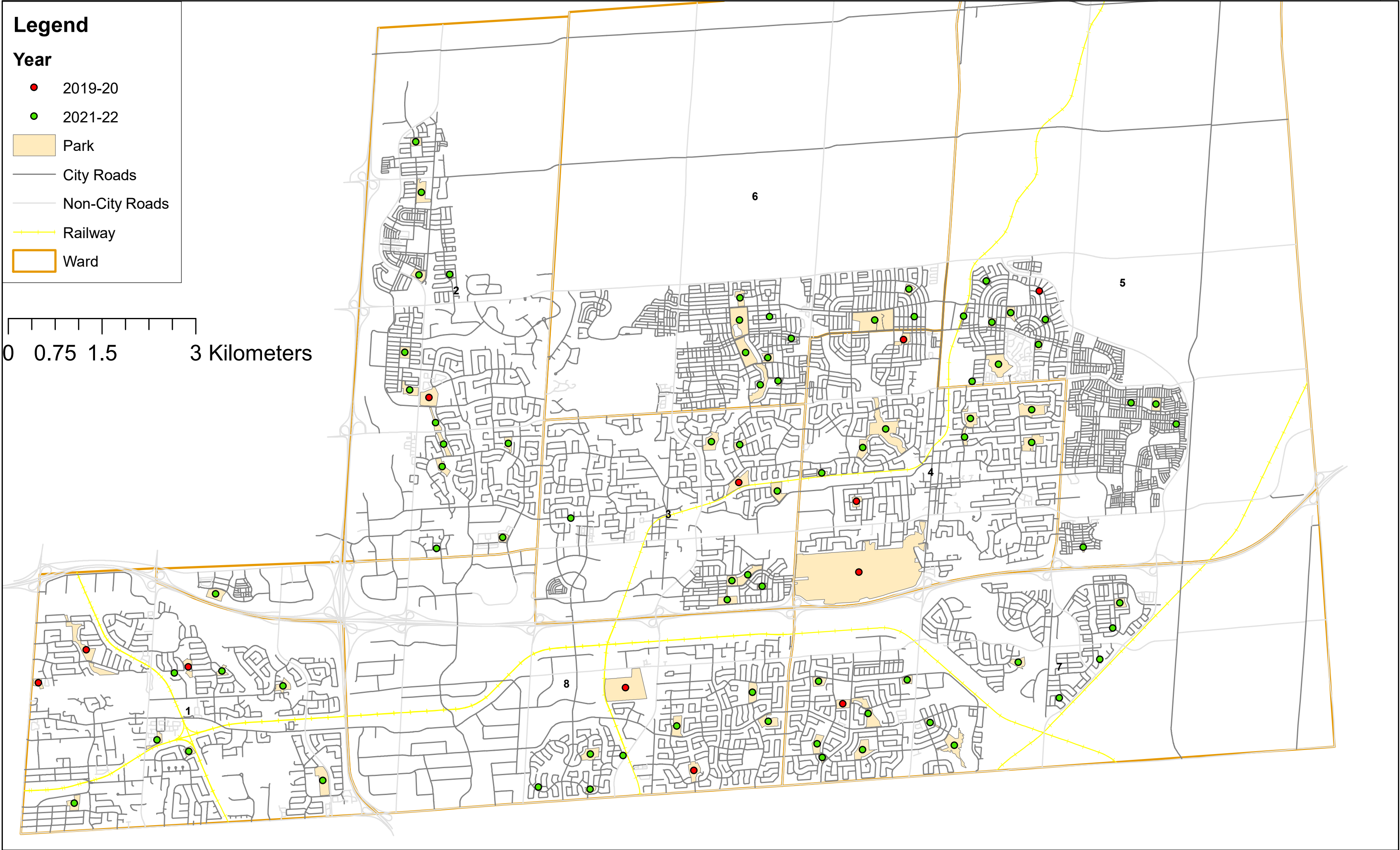
**RECOMMENDED BY:**

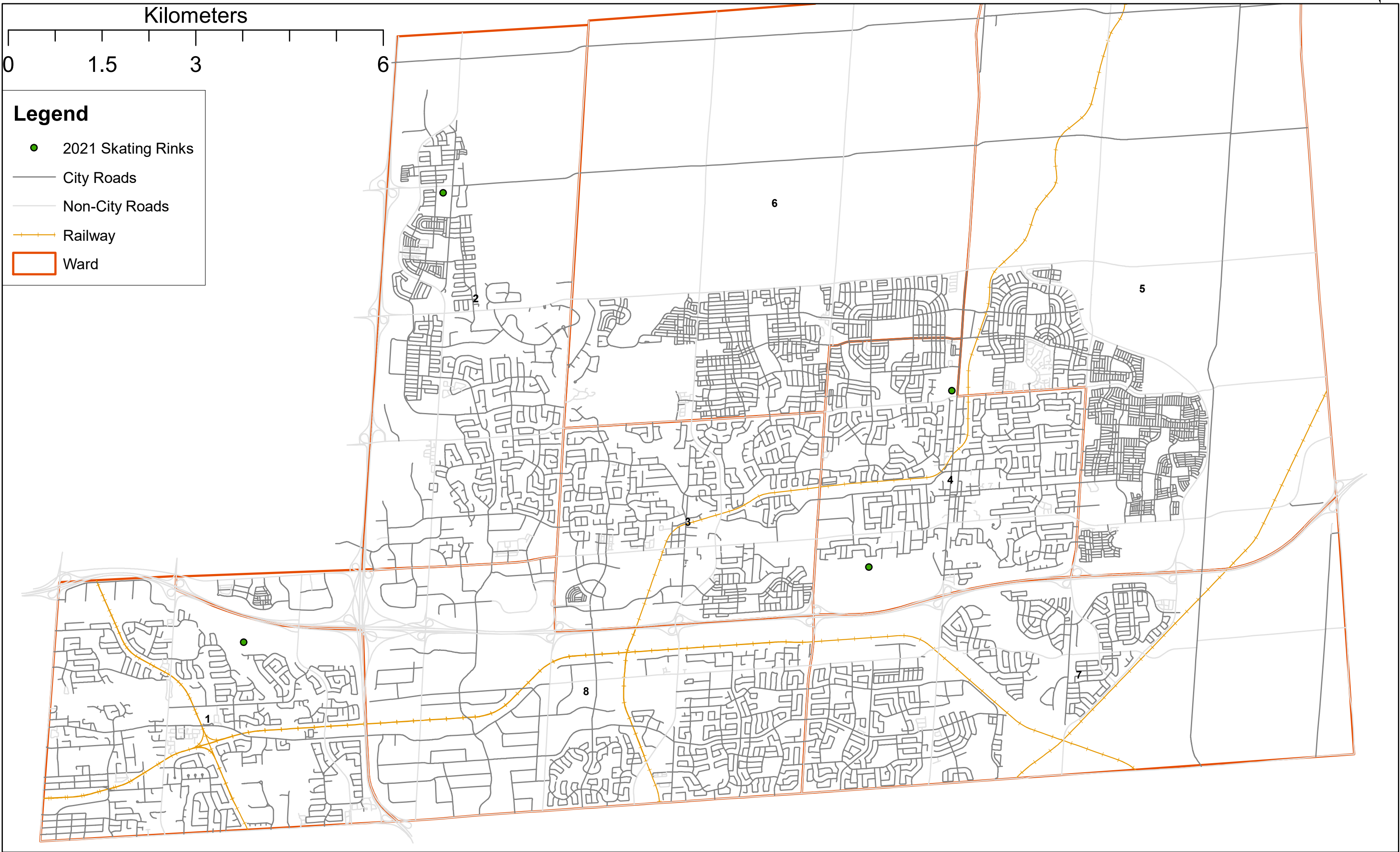
**Morgan Jones**  
Director of Operations

**Andy Taylor**  
Acting Commissioner, Community  
and Fire Services

**ATTACHMENTS:**

Appendix A – Pathway Locations 2021 – 2022  
Appendix B – Skating Rink Locations 2021 – 2022







# **Operations Winter Updates To Council**

## **May 10, 2021**

**David Plant – Operations Senior Manager – Parks,  
Horticulture & Forestry**

**Barry Budhu – Operations Senior Manager – Roads,  
Survey & Utility**



## Agenda

- Review of 2020 Winter Pathway Pilot Project
- “Your Voice Markham” resident survey results
- Pathway program recommendations for 2021/2022 season
- Proposed City operated outdoor skating surfaces
- 2021 Winter Maintenance results
- Questions



## 2020 Park Pathway Pilot Project

- Park Pathway Pilot included winter maintenance of 1 paved park pathway per ward and one granular pathway at Milne Dam Park
- Utilizing Your Voice Markham, 385 residents recorded their votes providing good representative feedback of preferences
- Staff observations and resident feedback suggests that the pilot project was successful on asphalt surfaces but was not successful on the granular pathway at Milne Dam.



## 2020 Park Pathway Pilot Project cont'd

- 62% of all respondents reported using the pathways
- 80% of users reported doing so for recreational purposes
- 55% of users reported using the pathways daily or weekly
- 46% of respondents disagreed while 39% agreed that the parks pathways should be maintained at a lower level of service than sidewalks
- 50% of respondents said that they would not pay extra for this service with 36% saying they would pay \$1-\$15 more



## 2021 Park Pathway Program Recommendations

- Increase winter maintenance from 8 park pathways to 95 park pathways Citywide
- The estimated cost of \$121,711.29 to be funded from within the existing Operations winter maintenance operating budget
- Set winter service level of park pathways to occur within 48-72 hours after the end of a weather event

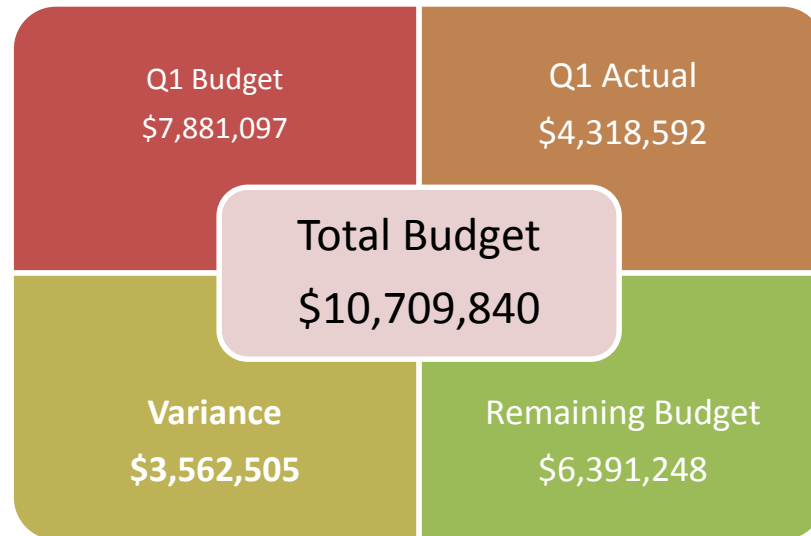


## Recommended City Operated Skating Surfaces

- Propose 4 locations – (Markham Museum, Milne Dam Park, Victoria Square Park, and Huntington Park) to address safe outdoor public skating for the 2021-2022 winter season
- All locations have parking lots, available water, suitable ground conditions and do not directly compete with existing volunteer run programs
- First year start up of \$27,624.00 for infrastructure and materials; the yearly operating cost is estimated to be \$5,500.00



## 2021 Winter Maintenance





# Questions