

COMMITTEE OF THE WHOLE (2) – FEBRUARY 11, 2025

STAFF COMMUNICATIONS

Distributed February 7, 2025

Subject

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| SC1. Memorandum from the Interim Deputy City Manager, Planning, Growth Management and Housing Delivery, dated January 30, 2025 | Re: 2025 Earth Hour and Climate Ready Home Show |
| SC2. Memorandum from the Deputy City Manager, Public Works, and Director, Transportation and Fleet Management Services, dated February 6, 2025 | Re: Bell Fibre-to-the-Home (FTTH) Agreement Extension Update |
| SC3. Memorandum from the Deputy City Manager, Public Works, and Acting Director, Environmental Services, dated February 6, 2025 | Re: Annual Water Quality Report |
| SC4. Memorandum from the Deputy City Manager, Infrastructure Development, dated February 7, 2025 | Re: Open House to mark National Engineering Month |

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Please note there may be further Communications.



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

DATE: January 30, 2025

TO: Mayor and Members of Council

FROM: Vince Musacchio, Interim Deputy City Manager, Planning, Growth Management and Housing Delivery

**RE: STAFF COMMUNICATION
Committee of the Whole (2), February 11, 2025

2025 Earth Hour and Climate Ready Home Show**

SC1.

Staff Communication

CW(2) - February 11, 2025

1. Purpose

To advise Mayor and Members of Council that the 2025 Earth Hour event will take place on March 22, 2025, and will include a new addition called the Climate Ready Home Show. Support for the event will be provided by various City of Vaughan (City) departments, including Policy Planning and Special Programs, Facility Management, Economic Development, Office of the Chief Information Officer, and Communications, Engagement and Marketing.

2. Analysis

Background

Earth Hour is a global initiative of the World Wildlife Fund that targets energy reduction and climate action. On March 31, 2007, residents, businesses and local governments in Sydney, Australia turned off their lights for one hour to bring attention to the issue of energy conservation and climate change. More than 2 million individuals and 2,000 businesses participated. One year later, on March 29, 2008, Earth Hour had become a global sustainability movement with more than 50 million people across 35 countries participating.

The City has supported Earth Hour for over a decade by partnering with the Earth Hour Vaughan Committee, which is made up of resident volunteers, to host an annual celebration. In 2024, the annual Earth Hour Vaughan event held at City Hall attracted an estimated 300 people and included a lantern walk, citizen awards, a school banner showcase, smoothies made by a bicycle-powered blender, a science fair exhibit, and vendor booths. Alectra Utilities reported that in 2024, by turning off the lights between

8:30 p.m. and 9:30 p.m. the Vaughan community reduced its energy consumption by 3.3 percent or approximately 4.8 megawatts.

Earth Hour aligns with actions in the City's community sustainability plan, Green Directions Vaughan, to reduce and promote the reduction of greenhouse gas emissions and to advocate and inform residents about environmental issues. By participating in Earth Hour, the City demonstrates environmental leadership by encouraging behavioural change in the business and residential communities, thereby reducing greenhouse gas emissions.

2025 Earth Hour and Climate Ready Home Show

For the first time, the City is hosting a Climate Ready Home Show, an exciting new addition to the annual Earth Hour event, starting at 4 p.m. on March 22, 2025. The Climate Ready Home Show offers a unique opportunity for sustainability-focused local businesses and non-governmental organizations (NGOs) to showcase their products and services to Vaughan residents. Residents will learn how to make their homes more energy efficient, comfortable and climate resilient.

As in previous years, the annual Earth Hour event will start at 6:30 p.m. and will include a lantern walk, a school banner showcase, activities for children, a science fair exhibit, and vendor booths. Vendor booths will include the businesses and NGOs participating in the Climate Ready Home Show, as well as City departments, non-profit organizations and local community groups. At 8:30 p.m. the lights at City Hall will be lowered, while attendees participate in a nighttime walk.

Communications Plan

In collaboration with partners in Communications, Marketing and Engagement, a communications plan is in place to promote the Earth Hour event, along with the Climate Ready Home Show to residents, City staff and Council. Materials will be provided to Council for use in eNewsletters and social media channels.

Our partners in Economic Development are leveraging their list of local business contacts to share information about the exhibiting opportunity.

Financial Impact

The Earth Hour Vaughan Committee coordinates all aspects of the Earth Hour event in consultation with City representatives. As in past years, the City will provide access to the following City Hall amenity spaces: atrium, Vaughan Room, alcove 1 and alcove 2, cafeteria and outdoor courtyard. Tables and chairs, an indoor stage and related audio-visual equipment will also be provided in-kind by the City. The Earth Hour Vaughan

Committee will be tasked with securing the necessary financial contribution or in-kind support from other community partners to execute the event.

Financial support for the Climate Ready Home Show is secured through the City's Thornhill Sustainable Neighbourhood Action Program (SNAP) capital budget. The Home Show meets a deliverable of the Residential Retrofit signature project, within the Council approved Thornhill SNAP Action Plan.

Broader Regional Impacts/Considerations

Reports from the Intergovernmental Panel on Climate Change (IPCC) (<http://ipcc.ch/report/sr15/>) identify that within the next decade global efforts to limit warming to well below 1.5 degrees Celsius must dramatically increase in order to avoid dangerous and potentially irreversible climate change impacts.

While the Earth Hour event is focused on awareness, rather than climate mitigation action, community engagement on environmental sustainability and climate change are foundational efforts needed to meet the challenge laid out in the IPCC report. Collaboration between the City, residents, and business efforts will be needed, and events such as Earth Hour contribute to broader engagement goals.

Conclusion

Participating in the 2025 Earth Hour event, and hosting the Climate Ready Home Show on March 22nd, will demonstrate the City's ongoing commitment to promoting and practicing environmentally responsible behaviour. Vaughan will be joining a growing number of Canadian municipalities and cities across the globe that have expressed their interest in participating in this global awareness event.

For more information, visit vaughan.ca/EarthHour or contact Alanna MacKenzie, Sustainability Specialist, at Alanna.Mackenzie@vaughan.ca.

Approved by



Vince Musacchio, Interim Deputy City Manager,
Planning, Growth Management and Housing Delivery



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

**SC2.
Staff Communication
CW(2) - February 11, 2025**

DATE: February 6, 2025

TO: Mayor and Members of Council

FROM: Emilie Alderman, Deputy City Manager, Public Works
Steven Fantin, Director, Transportation and Fleet Management Services

RE: **STAFF COMMUNICATION – February 11, 2025**
Committee of the Whole (2)
Bell Fibre-to-the-Home (FTTH) Agreement Extension Update

1. Purpose

The purpose of this Staff Communication is to provide the Mayor and Council with information regarding an update to the Bell Fibre-to-the-Home (FTTH) Agreement extension that was previously reported at Committee of the Whole (2) in October 2024 (Item 7, Report No. 35, adopted on October 29, 2024).

2. Background

Over the past six years, Bell has invested over \$100 million dollars to expand fibre-optic connectivity to over 100,000 homes and businesses in Vaughan. The FTTH Agreement outlines Bell's funding of dedicated staff to support the FTTH project however, Bell's volumes are decreasing now that only 10% of its planned network expansion is remaining.

On October 29, 2024, Council adopted a staff report that requested authority to extend and amend the FTTH Agreement with Bell, in a form acceptable to Legal Services and the Deputy City Manager, Public Works. The staff report discussed a proposed extension to the FTTH Agreement that modified the number of resources funded by Bell in 2025 from four resources to three due to Bell's lower work volumes, with no changes to any other terms or conditions of the original FTTH Agreement.

A copy of the extract from the Council meeting minutes of October 29, 2024 is linked below:

[Bell Fibre-to-the-Home \(FTTH\) Agreement Extension Extract from Council meeting of October 29, 2024 \(Item 7, Report No. 35\).](#)

3. Analysis

Since the October 2024 staff report, Bell notified the City that a shift in capital allocation will require revisions to the agreement extension due to its expansion targets being further reduced in 2025. Bell has yet to communicate the impact to 2026 and beyond.

Based on Bell's revised expansion targets, the funding and staff allocation has been revised to two dedicated contract staff. Any future changes to staffing requirements, or other material terms to the agreement, will be assessed by staff in Legal Services and the Deputy City Manager, Public Works in accordance with the recommendations previously adopted by Council. The extension of the project and associated agreements will be subject to annual progress reviews by Bell and City staff. Staff will be reporting back to Council should future extensions be required.

4. Conclusion

While Bell's direction to reduce its FTTH expansion targets in Vaughan has resulted in a reduction of dedicated resources, minimal impact is expected as over 90% of Bell's planned fibre-optic network buildout has already been completed. Despite the revision, extending and amending the FTTH Agreement Extension will ensure that Bell continues to fund the required resources for the City to meet expected project service levels in 2025.

For more information, please contact:

Steven Fantin, Director, Transportation and Fleet Management Services, ext. 6141

Approved by



Emilie Alderman, Deputy City Manager,
Public Works



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

DATE: February 6, 2025
TO: Mayor and Members of Council
FROM: Emilie Alderman, Deputy City Manager, Public Works
Rebecca Stewart, Acting Director, Environmental Services
RE: **STAFF COMMUNICATION – February 11, 2025**
Committee of the Whole (2)
Annual Water Quality Report

SC3.

Staff Communication

CW(2) - February 11, 2025

1. Purpose

The purpose of this Staff Communication is to provide the Mayor and Council with information that will be posted for public viewing to maintain compliance with the reporting requirements of the Safe Drinking Water Act, 2002, S.O. 2002, c. 32 and Ontario Regulation 170/03 – Drinking Water Systems.

2. Analysis

The Ministry of the Environment, Conservation and Parks requires the City to post an Annual Water Quality Report for public viewing before the 28th of February each year.

The City's Annual Water Quality Report for the January 1, 2024 to December 31, 2024 reporting period (Attachment 1) will be posted to the City's website and made available to the public by February 28, 2025.

Attachment 1: Annual Water Quality Report

For more information, please contact:
Emilie Alderman, Deputy City Manager, Public Works, ext. 6116

Approved by

Handwritten signature of Emilie Alderman in cursive.

Emilie Alderman, Deputy City Manager,
Public Works

Handwritten signature of Rebecca Stewart in cursive.

Rebecca Stewart, Acting Director,
Environmental Services

Attachment – 1

February 6, 2025

ANNUAL WATER QUALITY REPORT

Drinking-Water System Number: 260003097
Drinking-Water System Name: Vaughan Distribution System
Drinking-Water System Owner: The Corporation of the City of Vaughan
Drinking-Water System Category: Large Municipal - Residential
Period being reported: January 1, 2024 to December 31, 2024

Complete if your Category is Large Municipal Residential or Small Municipal Residential:

Does your Drinking-Water System serve more than 10,000 people? Yes No

Is your annual report available to the public at no charge on a web site on the Internet? Yes No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection:

<https://www.vaughan.ca/residential/water-wastewater-and-stormwater/water-services/water-quality>

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

None

Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and whom you provide all of its drinking water?

- Yes
 No
 Not applicable

Indicate how you notified system users that your annual report is available, and is free of charge:

- Public access/notice via the web
 Public access/notice via Government Office
 Public access/notice via a newspaper
 Public access/notice via Public Request
 Public access/notice via a Public Library
 Public access/notice via other method

Describe your Drinking-Water System

The Vaughan Distribution System consists of one booster pumping station (Maplewood Booster Station/North Maple Booster Station), one pressure elevating system (Woodland Acres Pressure Elevating System), and trunk and distribution watermains in the City of Vaughan.

Drinking water for the City of Vaughan is supplied from York Region, who obtains water from the City of Toronto and the Region of Peel. The City of Toronto operates four water treatment plants using Lake Ontario as a raw water source. The Region of Peel operates two water treatment plants using Lake Ontario as a raw water source.

List all water treatment chemicals used over this reporting period.

Water is treated by the City of Toronto and the Region of Peel. Lists of chemicals used for the treatment of the water supplied to the City of Vaughan are available on their websites, www.toronto.ca and www.peelregion.ca, respectively.

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Brief description and a breakdown of monetary expenses incurred:

- Watermain replacements – \$7,244,491
- Scheduled and emergency valve repairs and maintenance – \$891,985
- Scheduled and emergency main repairs – \$672,705
- Scheduled and emergency hydrant repairs, maintenance, and inspections – \$1,998,791
- Operation and maintenance of the booster pumping station and pressure elevating system – \$104,266
- Scheduled and emergency water service repairs – \$859,664
- Water meter maintenance and installation – \$1,711,759
- Chamber repairs – \$79,888

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O. Reg. 170/03 and reported to Spills Action Centre.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Incident Resolution Date
2024/01/04	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/01/08
2024/04/01	Sodium	21	mg/L	Flush and retest	2024/04/04
2024/04/01	Sodium	21	mg/L	Flush and retest	2024/04/04
2024/04/18	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/04/22
2024/05/16	Combined Chlorine	5.10	mg/L	Flush and retest	2024/05/16
2024/05/21	Combined Chlorine	3.06	mg/L	Flush and retest	2024/05/21
2024/05/22	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/05/27
2024/05/24	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/05/28

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Incident Resolution Date
2024/05/24	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/05/30
2024/05/26	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/05/30
2024/06/07	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/06/10
2024/06/12	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/06/17
2024/08/08	Total Coliform & E. Coli	TC – P EC – P	P-A/100mL	Flush and resample	2024/08/20
2024/08/11	Total Coliform	TC – 4	CFU/100mL	Flush and resample	2024/08/20
2024/08/11	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/08/15
2024/08/15	Total Coliform	TC – 1	CFU/100mL	Flush and resample	2024/08/20
2024/08/20	Combined Chlorine	0.19	mg/L	Flush and retest	2024/08/20
2024/08/21	Combined Chlorine	0.23	mg/L	Flush and retest	2024/08/21
2024/09/20	Total Coliform	TC – P	P-A/100mL	Flush and resample	2024/09/24
2024/09/24	Combined Chlorine	0.00	mg/L	Flush and retest	2024/09/24
2024/09/25	Combined Chlorine	0.00	mg/L	Flush and retest	2024/09/25

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

Location Type	Number of Samples	Range of E.Coli or Fecal Results Present (P) / Absent (A)	Range of Coliform Results Present (P) / Absent (A)	# of HPC Samples	Range of HPC Results (cfu/1mL)
Distribution	1,800	A – P MPN/100mL	A – 4 CFU/100mL	888	<1 CFU/mL – 260 CFU/mL

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

Parameter	Number of Grab Samples	Range of Results (min #) - (max #)
Combined Chlorine	2,204	0.00mg/L – 5.10mg/L
Turbidity	N/A	N/A

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of Legal Instrument Issuance	Parameter	Date Last Sampled	Range of Results	Unit of Measure
05/23/19	Nitrosodimethylamine (NDMA)	2024/12/04	<0.0009 – 0.0027	µg/L

Summary of inorganic parameters tested during this reporting period or the most recent sample results.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2024/11/11	<0.0005	mg/L	No
Arsenic	2024/11/11	0.0006	mg/L	No
Cadmium	2024/11/11	<0.0005	mg/L	No
Chromium	2024/11/11	<0.0005	mg/L	No
Selenium	2024/11/11	<0.0005	mg/L	No
Sodium	2024/11/11	14.2	mg/L	No
Fluoride	2024/11/11	0.61	mg/L	No
Nitrite	2024/12/04	<0.05	mg/L	No
Nitrate	2024/12/04	<0.50	mg/L	No

Summary of lead testing under Schedule 15.1 during this reporting period.

Location Type	Number of Samples	Range of Lead Results (min #) – (max #)	Number of Exceedances
Plumbing	0	Not Applicable	Not Applicable
Distribution	20	<0.0005	0

Summary of Organic parameters sampled during this reporting period or the most recent sample results.

Parameter	Sample Date	Running Annual Average Result	Unit of Measure	Exceedance
Haloacetic Acids (HAA's)	4/year	<8.0	µg/L	No
Trihalomethane (THM)	4/year	19.2	µg/L	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
None			



**STAFF COMMUNICATION
FOR INFORMATION ONLY**

**SC4.
Staff Communication
CW(2) - February 11, 2025**

DATE: February 7, 2025
TO: Mayor and Members of Council
FROM: Vince Musacchio, Deputy City Manager, Infrastructure Development
RE: **STAFF COMMUNICATION – CW (2) February 11, 2025**
Open House to mark National Engineering Month

1. Purpose

The purpose of this Staff Communication is to provide Mayor and Council information about the inaugural Infrastructure Development open house to mark National Engineering Month.

2. Analysis

Every March, engineers across Canada celebrate National Engineering Month. This year, the Office of the Deputy City Manager, Infrastructure Development will host an open house to mark the occasion.

The purpose of the open house is to highlight the work of the Infrastructure Development portfolio and how it helps progress Council's vision and priorities for the City of Vaughan.

The event will take place on Wednesday, **March 19, 2025, from 9 am - 3 pm**, in the Vaughan Room at City Hall. Infrastructure Development departments and Public Works will showcase projects, including women's contributions to engineering. Organizations including the Municipal Engineers Association, and the Association of Consulting Engineering Companies-Ontario, will also send representation. This is an opportunity for staff and citizens alike to learn more about the Infrastructure Development portfolio and the crucial role engineers play in building and shaping the City of Vaughan.

The open house will also feature an exciting engineering challenge to engage high school students. The inaugural *Bring a Bridge* competition will pit local high schools against one another as they compete to build the strongest bridge with glue and popsicle sticks. The strength of each design will be put to the test right here at City Hall during the open house.

The City's Communications, Marketing and Engagement department will help inform staff and members of the public about the event, with the campaign starting on March 5, 2025.

Infrastructure Development looks forward to hosting this open house and aims to make it an annual event in the City of Vaughan.

For more information, contact Vince Musacchio, Deputy City Manager, Infrastructure Development, Ext. 8311

Approved by

A handwritten signature in black ink, appearing to read "V. Musacchio". The signature is fluid and cursive, with a prominent initial "V" and a long, sweeping underline.

Vince Musacchio
Deputy City Manager,
Infrastructure Development