

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OCTOBER 19, 2016

**150. CITY OF VAUGHAN - TELECOMMUNICATION FACILITY SITING PROTOCOL
(TELECOMMUNICATION ANTENNA SYSTEMS THAT INCLUDE FREE-STANDING
TOWERS AND BUILDING/STRUCTURE MOUNTED ANTENNAS)
ALL WARDS - CITY WIDE
(Referred Item 2)**

MOVED by Councillor DeFrancesca
seconded by Regional Councillor Rosati

- 1) That the following be approved in accordance with Communication C12 from the deputy City Manager, Planning & Growth Management, dated October 17, 2016:
 1. That the City of Vaughan Telecommunication Facility Siting Protocol shown as Attachment #1 contained in the report of the Deputy City Manager, Planning & Growth Management, Director of Development Planning, Senior Managers of Development Planning, and the Manager of Urban Design, dated September 7, 2016, be deleted and replaced with the revised City of Vaughan Telecommunication Facility Siting Protocol, attached hereto, for approval;
- 2) That the report of the Deputy City Manager, Planning & Growth Management, Director of Development Planning, Senior Managers of Development Planning, and the Manager of Urban Design, dated September 7, 2017, be received; and
- 3) That Communication C26 from Mr. Stephen D'Agostino, Thomson Rogers, Bay Street, Toronto, dated October 18, 2016, be received.

CARRIED

Council, at its meeting of September 20, 2016, adopted the following recommendation (Committee of the Whole Report No. 31, Item 2):

By approving the following in accordance with Communication C11, from the Director of Development Planning, dated September 19, 2016:

1. That consideration of Item #2, Report #31 of the Vaughan Committee of the Whole (City of Vaughan – Telecommunication Facility Siting Protocol) be deferred to the Council meeting of October 19, 2016, to allow further consultation between the Development Planning Department and the wireless carriers to address outstanding matters related to the letter received by the City Clerk's office on September 7, 2016 from Stephen J. D'Agostino, Thomson Rogers Lawyers.

Committee of the Whole recommendation of September 7, 2016:

The Committee of the Whole recommends:

- 1) That consideration of this matter be deferred to the Council meeting of September 20, 2016, to allow further consultation; and
- 2) That the deputation of Mr. Stephen D'Agostino, Thomson Rogers, Bay Street, Toronto, and Communication C13, dated September 6, 2016, be received.

Report of the Deputy City Manager, Planning and Growth Management, Director of Development Planning, Senior Managers of Development Planning, and Manager of Urban Design, dated September 7, 2016

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Recommendation

The Deputy City Manager, Planning and Growth Management, Director of Development Planning, Senior Managers of Development Planning, and Manager of Urban Design recommend:

1. THAT the City of Vaughan Telecommunication Facility Siting Protocol as shown on Attachment #1, BE APPROVED.

Contribution to Sustainability

The application implements the following Goal and Objective of Green Directions Vaughan:

Goal 4: to create a vibrant community where citizens, businesses and visitors thrive

- Objective 4.2: Ensure that the City of Vaughan attracts businesses and investment that will result in well-paying jobs for Vaughan citizens, a sustainable tax base and continuing prosperity into the 21st century

Economic Impact

There are no requirements for new funding associated with this report.

Communications Plan

On August 17, 2016, Vaughan Development Planning staff notified the members of the Telecommunication Facility Siting Protocol Task Force ("Task Force") and known telecommunications industry professionals of this report proceeding to the September 7, 2016 meeting of the Committee of the Whole. Vaughan Council's decision in this matter, and a copy of the staff report, will be communicated to the Task Force members. The final Protocol, should it be approved by Council, will be made available on the City's website, and to known telecommunications companies that the City regularly works with.

Purpose

To seek approval from the Committee of the Whole on the City of Vaughan Telecommunication Facility Siting Protocol shown on Attachment #1. This protocol updates the current protocol currently in effect for siting telecommunication facilities in the City of Vaughan (June 23, 2003), and is informed by the Telecommunication Facility Task Force Findings Report, which included 35 recommendations and various definitions and input from the Task Force members, Development Planning Staff, and various City of Vaughan Departments throughout the process.

Background - Analysis and Options

Synopsis:

The Telecommunication Facility Siting Protocol (Attachment #1) updates the City's current Protocol, which dates back to June, 2003. The Protocol reflects the Innovation Science and Economic Development Canada (formerly Industry Canada) current jurisdictional structure Client Procedures Circular (CPC-2-0-03) effective July 15, 2014, and incorporates the 35 recommendations made by the Vaughan Telecommunications Facility Siting Task Force as approved by Vaughan Council on June 24, 2014. The Vaughan Development Planning Department has prepared and supports the new Telecommunication Facility Siting Protocol included in Attachment #1 of this report.

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City of Vaughan's Telecommunication Tower/Antenna Siting Protocol

On June 23, 2003, Vaughan Council adopted a protocol for siting and establishing telecommunication tower/antenna facilities. In accordance with the City's Protocol, all siting of new tower/antenna systems (as superseded by Innovation, Science and Economic Development Canada's Protocol (June 2014) (ISED/C) (formerly called Industry Canada)), require consideration by Vaughan Council.

On June 7, 2011, Vaughan Council resolved to appoint a Telecommunication Facility Siting Task Force ("Task Force") comprised of residents, industry representatives, and two Vaughan Council Members to review the City of Vaughan's existing Protocol for establishing Telecommunication Tower/Antenna Facilities.

On June 7, 2011, Vaughan Council also resolved:

"That Site Development Applications for new telecommunication facilities submitted prior to approval of a new City protocol to be reviewed under the current City of Vaughan protocol for Establishing Telecommunication Tower/Antenna Facilities."

The Task Force developed a comprehensive work plan to formulate a Findings Report with assistance from City staff. The Task Force also consulted with and heard presentations from a variety of sources such as ISED/C, Public Health Ontario, Bell Mobility, Rogers Communications, and telecommunications industry professionals. The Task Force approved the final Findings Report at its meeting on December 17, 2013, and forwarded the Findings Report and the following recommendation to the Committee of the Whole meeting on January 14, 2014, which Vaughan Council adopted on January 28, 2014:

"That the Findings Report be referred to staff for review, and that a report be provided to a future Committee of the Whole Meeting; and,

That the Findings Report form the basis for developing the City of Vaughan's Telecommunication Facility Siting Protocol."

City Staff reviewed the Findings Report and provided recommendations through a report from the Commissioner of Planning for consideration by the Committee of the Whole on June 17, 2014. On June 24, 2014, Vaughan Council adopted the following resolution:

"THAT the Vaughan Planning Department be directed to prepare a new City of Vaughan Telecommunication Siting Protocol ("Protocol"), for consideration at a future Committee of the Whole (Working Session) meeting, in early 2015."

The Protocol shown on Attachment #1, reflects the findings report adopted by Council on June 24, 2014, ISED/C's Protocol of June 2014, and comments from City of Vaughan departments.

The Protocol is being forwarded directly to the Committee of the Whole rather than to Working Session for consideration and approval as Development Planning staff is of the opinion that the document reflects the Task Force Findings Report, which Council has recommended support of, and therefore, the contents in the final Protocol document are consistent therewith. Additional time to prepare the protocol was required to reflect the new Industry Canada Protocol and to address implementation issues observed in 2015, following release of the protocol through the processing and review of telecommunication facility proposals in Vaughan.

Role and Jurisdiction of Innovation, Science and Economic Development Canada (ISED/C) (formerly called Industry Canada)

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The *Radiocommunication Act* designates ISED as the approval authority for all matters respecting telecommunication towers and antenna facilities. Federal regulations are not subject to Provincial policies, including the *Planning Act* and *Building Code Act*. Additionally, telecommunication towers and antenna facilities are exempt from municipal zoning by-law requirements and site plan control approval (i.e. no implementing Site Plan Agreement or Letter of Undertaking).

New Protocol

The City of Vaughan Telecommunication Facility Siting Protocol aims to achieve the following objectives:

1. To establish a concise, consolidated protocol for reviewing Antenna System siting proposals within the City of Vaughan.
2. To require active participation by Proponents and municipal stakeholders in locating future Antenna Systems.
3. To ensure the City of Vaughan plays an important role in harmonizing telecommunication network objectives with Vaughan's policies and procedures.
4. To identify site selection criteria and design guidelines which minimize the scale, visual impact and number of Antenna Systems, particularly within or adjacent to sensitive land uses (ie. Residential Zones, Heritage Conservation Districts).
5. To establish a transparent and meaningful consultation and review process that enables effective communication between the Proponent, other industry carriers, the public, the City of Vaughan, Innovation, Science and Economic Development Canada (ISED), formerly called Industry Canada, and other stakeholders or agencies in a timely manner.
6. To promote economic development and competitiveness through supporting effective telecommunication services that meet the needs of Vaughan residents and businesses, and that encourages the most advanced Antenna Systems.
7. To set out an objective process, criteria and guidelines that are transparent, consistent and predictable for the evaluation of Telecommunication Facility Siting proposals that:
 - a) Minimize the number of new antenna system sites by requiring co-location, where feasible;
 - b) Encourage designs that integrate with the surrounding land use and public realm;
 - c) Establish when local public consultation is required; and,
 - d) Allow ISED and the telecommunications industry to identify and resolve any potential land use, siting or design concerns with the City of Vaughan at an early stage in the process.

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8. To establish a consultation framework that ensures the City of Vaughan and members of the public contribute local knowledge that facilitates and influences the siting, location, development and design (including aesthetics) of Antenna Systems within the City's boundaries.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

This report supports the following priority set forth in the Term of Council Service Excellence Strategy Map (2014-2018):

- Invest, renew and manage infrastructure and assets
- Attract investment and create jobs

It should be noted that telecommunications underpins and supports work on the City's Digital Strategy, which is currently underway as part of the Service Excellence Program.

Regional Implications

On April 23, 2009, York Region adopted Innovation, Science and Economic Development Canada's Protocol (formerly Industry Canada's Protocol) (CPC-2-0-03) to reduce redundancies and permit a more efficient and consistent approach for regulating telecommunication facilities, while providing an opportunity for local municipalities to determine individual procedures and protocols.

As the Local Land-Use Authority, the City of Vaughan is exercising its right to determine an appropriate protocol specific to the requirements of the City. The new protocol does not have any implications on York Region.

Conclusion

The City of Vaughan Development Planning Department has developed the new Protocol through the review of the Telecommunications Facility Siting Task Force Findings Report – Staff Review and Response, adopted by Vaughan Council on June 24, 2014, the current jurisdictional structure regarding Telecommunication Antenna Systems in Canada (CPC-2-0-03), and City of Vaughan Official Plan 2010. In consideration of the review undertaken, the Vaughan Development Planning Department recommends approval of the proposed Telecommunication Facility Siting Protocol shown on Attachment #1.

Attachments

1. City of Vaughan Telecommunication Facility Siting Protocol
2. Communication C13 from the Committee of the Whole meeting of September 7, 2016
3. Communication C11 from the Council meeting of September 20, 2016

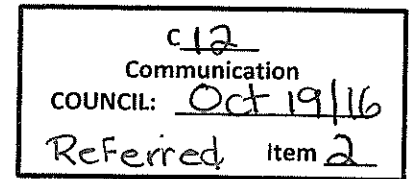
Report prepared by:

Shahzad Davoudi-Strike, Urban Designer, ext. 8653
Mark Antoine, Planner, ext. 8212
Carmela Marrelli Senior Planner, ext. 8791

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)



VAUGHAN



DATE: OCTOBER 17, 2016

TO: HONOURABLE MAYOR AND MEMBERS OF COUNCIL

**FROM: JOHN MACKENZIE, DEPUTY CITY MANAGER,
PLANNING & GROWTH MANAGEMENT**

RE: COMMUNICATION - COUNCIL MEETING – OCTOBER 19, 2016

ITEM #2, REPORT #31 - COMMITTEE OF THE WHOLE - SEPTEMBER 7, 2016

**CITY OF VAUGHAN - TELECOMMUNICATION FACILITY SITING PROTOCOL
(TELECOMMUNICATION ANTENNA SYSTEMS THAT INCLUDE FREE-STANDING
TOWERS AND BUILDING/STRUCTURE MOUNTED ANTENNAS)
ALL WARDS – CITY WIDE**

Recommendation

The Deputy City Manager, Planning & Growth Management recommends:

1. THAT the City of Vaughan Telecommunication Facility Siting Protocol shown as Attachment #1 contained in the report by the Deputy City Manager, Planning & Growth Management, Director of Development Planning, Senior Managers of Development Planning, and the Manager of Urban Design dated September 7, 2016, be deleted, and replaced with the revised City of Vaughan Telecommunication Facility Siting Protocol, attached hereto, for approval.

Background

On September 7, 2016, the Committee of the Whole resolved the following motion with respect to Item #2, Report #31 (City of Vaughan - Telecommunication Facility Siting Protocol):

- 1) That consideration of this matter be deferred to the Council Meeting of September 20, 2016, to allow further consultation; and,
- 2) That the deputation of Mr. Stephen D'Agostino, Thomson Rogers, Bay Street, Toronto, and Communication C13, dated September 6, 2016, be received.

On September 20, 2016, Vaughan Council resolved the following motion:

- 1) That consideration of Item #2, Report #31 of the Vaughan Committee of the Whole (City of Vaughan – Telecommunication Facility Siting Protocol) be deferred to the Council meeting of October 19, 2016, to allow further consultation between the Development Planning Department and the wireless carriers to address outstanding matters related to the letter received by the City Clerk's office on September 7, 2016 from Stephen J. D'Agostino, Thomson Rogers Lawyers.

On September 7, 2016, the City Clerk's Office received a letter dated September 6, 2016 from Stephen J. D'Agostino of Thomson Rogers Lawyers, who represent Bell, TELUS and Rogers Communications; the three major wireless carriers operating in Canada ("Wireless Carriers"). Mr. D'Agostino's letter indicates

that the Wireless Carriers generally support the new City of Vaughan Telecommunication Facility Siting Protocol ("Protocol") and the Vaughan Development Planning Department's recommendation to this effect, and believe that the new Protocol will reduce the prospect of controversy and land use conflict, while furthering the development of each Wireless Carriers' network.

The letter also identifies areas of concern with regards to the Protocol, mostly related to its implementation of changes to the Innovation, Science and Economic Development Canada's ("ISED", formerly known as Industry Canada) Client Procedures Circular for Radiocommunication and Broadcasting Antennas Systems ("CPC-2-0-03"), which were outlined in the Telecommunications Facility Siting Task Force Findings Report - Staff Review and Response, adopted by Vaughan Council on June 24, 2014. The changes to CPC-2-0-03 came into effect on July 15, 2014.

At the September 7, 2016, Committee of the Whole Meeting, Regional Councillor Di Biase expressed concerns with Section 5.5.1 of the Protocol, which identifies criteria for siting antenna systems in City-owned local parks. Proposals for antenna systems within City-owned local parks are generally discouraged unless no other suitable option can be found. Regional Councillor Di Biase identified the possibility of restricting antenna system proposals from locating within City-owned local parks.

At the September 20, 2016, Vaughan Council Meeting, Councillor DeFrancesca, as chair of the meeting and also a former member of the Telecommunications Task Force, requested that Development Planning Staff meet with members of Council, at their request, to respond to any questions or comments on the proposed City of Vaughan Protocol. Development Planning Staff met with Regional Councillors Di Biase and Ferri and Local Councillor Iafrate to discuss the new Protocol. Regional Councillor Di Biase continued to request that antenna systems be restricted from locating in local parks, and if this is not feasible, restrict antenna systems from locating in local parks that are 2 ha (5 acres) or less in area. Councillor Iafrate requested clarification on the public consultation process. These matters are further addressed under the "Antenna Systems in City-owned Local Parks" and "Concern #1" sections of this Communication, respectively. Regional Councillor Ferri did not have any specific concerns related to the new Protocol.

Proposed Changes to the City of Vaughan Telecommunication Facility Siting Protocol

On September 9, 2016, City staff from the Development Planning Department met with Mr. D'Agostino to discuss the concerns raised by the Wireless Carriers. Development Planning Staff met a second time with Mr. D'Agostino and the Wireless Carriers on September 27, 2016. The following list provides: a summary of each concern identified; the proposed policy of the new Protocol; the Development Planning Department's response to each concern; and, the proposed changes (or no change) to the new Protocol (attached to this Communication).

Concern #1: The Protocol's requirement for full public consultation and Vaughan Council's approval for antenna systems that are 15 m or less in height and located between 0 m and 150 m of a residential area, provides no incentive for Carriers to build antenna systems of lower heights within 150 m of a residential area (Section 4.3 and "Figure 1" of the Protocol).

Existing Protocol

Section 4.3 and "Figure 1" of the Protocol identify specific exemptions from the requirements to consult with the City and/or Public as it relates to municipal concurrence for antenna systems. The Protocol identifies that antenna systems, regardless of height, that are located within 150 m from any residential zone; or antenna systems that are higher than 30 m in height and are located at a distance between 150 m and 200 m from any residential zone, require a full review process including public consultation and approval by Vaughan Council (Area "A" on Figure 1 of the original Protocol). The original Protocol does not differentiate between tower height for new antenna systems located between 0 m and 150 m from residential areas. For example, a proponent is required to proceed through the same concurrence process (i.e. full public consultation and approval by Vaughan Council) regardless of the antenna system being 15 m or 50 m in height. There is no exemption for towers of a lower height.

Staff Response to Concern #1

The Development Planning Department agrees with the Wireless Carriers' proposal related to encouraging or incenting Carriers to propose antenna systems with lower heights that are in proximity to residential areas by exempting them from certain notification requirements. Staff agrees with the Wireless Carriers' proposition that reducing the requirement for full public consultation and approval by Vaughan Council for towers 15 m or less in height would provide a meaningful advantage to proponents lowering their tower height when antenna systems are in proximity to residential areas.

Proposed Changes to the Protocol

The proposed changes are outlined in the bullet points that follow:

- Antenna systems equal to and lower than 15 m in height and located between 0 m and 50 m from a residential area require concurrence/non-concurrence by the Development Planning Department, and are exempt from Vaughan Council approval. Public Notification is required to all landowners within 150 m of the proposed Antenna System (Area "E" on Figure 1 of the new Protocol attached). Discretion will be given for the need of a Public Information Session based on resident concerns from the Public Notification. Proposals may be "bumped up" to Vaughan Council for a decision when a minimum of two (2) members of Council submit a request for a "bump up" in writing to the Development Planning Department through the City's application circulation process.
- Antenna systems equal to or lower than 15 m in height, and located at a distance between 50 m and 200 m are exempt from Vaughan Council approval and public notification. Applications would be reviewed and granted concurrence/non-concurrence by the Development Planning Department (Area "D" on Figure 1 of the new Protocol attached).
- Updates to "Figure 1" and Explanatory Notes under Section 4.3 to reflect the above changes.
- Addition of Section 9.4: "Notice Requirements for Antenna Systems 50 m or less from a Residential Area and 15 m or less in height."

Staff have proposed draft wording to implement these suggestions found in the revised Protocol (Attached).

Concern #2: A 150 m notification radius for all antenna systems located in urban areas regardless of its height or distance from a residential area provides no procedural advantage to a proponent building antenna systems that are lower in height given the standard notification distance (Section 9.2 in the Protocol).

Existing Protocol

Where public consultation is required, Section 9.2 in the Protocol identifies the prescribed distance for notification regardless of the location of the proposed antenna system:

- a) 150 m within urban areas, or three times the height of the Antenna System (ie. tower), whichever is greater; or
- b) 250 m within rural areas, or three times the height of the Antenna System, whichever is greater.

Staff Response to Concern #2

Similar to Concern #1, the Wireless Carriers contest that there is no procedural advantage to a proponent constructing a lower antenna system, given that the notification distance of 150 m in an urban area applies regardless of the height of a proposed antenna system. The Wireless Carriers suggest that the prescribed distance for notification be amended to provide for 3 times the tower height for antenna systems 20 m in height or less (60 m notification radius) as an incentive to build lower antenna systems,

and argue that this is analogous to the notification distance for Minor Variance Applications under the *Planning Act*.

Changes to the Protocol's requirement for public notification and consultation and Vaughan Council's approval for antenna systems that are equal to and lower than 15 m in height are identified under "Concern 1". The Development Planning Department is of the opinion that these changes reflect a reasonable incentive for Wireless Carriers to build antenna systems in proximity to residential areas that are lower in height. Additionally, the visual impact of a 15 m antenna system may have a greater effect on residents than development proposals in residential areas typically processed under a Minor Variance Application (e.g. minor changes to setbacks, height or coverage for accessory dwellings).

The Development Planning Department is of the opinion that the prescribed distance for notification under Section 9.2 of the Protocol be maintained with no changes, as this notification distance is consistent with Recommendation #25 outlined in the Telecommunications Facility Siting Task Force Findings Report - Staff Review and Response, adopted by Vaughan Council on June 24, 2014, and is consistent with the City's notification distance for development applications that require a public hearing under the *Planning Act* (i.e. Official Plan Amendment, Zoning By-law Amendment and Draft Plan of Subdivision applications). As a result, there are no recommended changes to the Protocol.

Concern #3: Where antenna systems are proposed in future Block Plan areas, the Protocol contains a requirement that the antenna system be removed upon development of the area, notwithstanding the term remaining in the lease between the proponent and landowner (Section 5.3 of the Protocol).

Existing Protocol

Section 5.3 of the Protocol requires the pre-identification of future sites for antenna systems within Block Plans. The Wireless Carriers agree that it is beneficial to participate in the Block Planning process. Section 5.3 also provides guidelines with respect to antenna systems being permitted on a temporary basis within a new Block Plan Area, requiring that the lease agreement with the landowner and the Proponent include a provision that the Antenna System be removed upon development of the area, should development occur prior to the end of their lease agreement, to the satisfaction of the City. According to the Wireless Carriers, this requirement would provide a strong disincentive to develop in rural areas of the City and effectively encourage more proposals to develop towers closer to residential areas. The Wireless Carriers requested that Section 5.3 be revised to include relocation conditions should an antenna system be approved within a New Community Area/Block Plan. The Wireless Carriers also requested a compensation provision within the Protocol that would reimburse the proponent for the cost associated with relocating an antenna system.

Staff Response to Concern #3

The Development Planning Department agrees that complete removal of an antenna system within a Block Plan area may not be required should an alternative location within the immediate area be feasible. On this basis, the Development Planning Department has revised the wording in Section 5.3 to require relocation conditions as part of the concurrence process, or, that a "redevelopment" clause be included in the lease agreement between the landowner and proponent indicating that the Antenna System shall be relocated upon development of the area should development occur prior to the end of their lease agreement, to the satisfaction of the City. Municipal concurrence for the relocated antenna system will fall under "Area D" of Figure 1 in the Protocol, provided that the relocation is within a reasonable distance (i.e. maximum 150 m) of the existing antenna system. If relocation is outside of the 150 m radius, public notification/consultation may be required, at the discretion of the City.

Development Planning Staff are of the opinion that a compensation provision within the Protocol is not appropriate, as any monetary reimbursement for the costs associated with the relocation of an antenna system is a private matter between the landowner and proponent. On this basis, the Development Planning Department has not included a compensation provision for relocation in the new Protocol, which remains an outstanding issue with the Wireless Carriers.

Proposed Changes to the Protocol

The proposed changes are outlined in the bullet points that follow:

- Deleting Section 5.3, in part: "In the interim, should an Antenna System (ie. tower) be permitted on a temporary basis within a new community area and/or prior to the approval of a Block Plan, then an agreement with the landowner and the Proponent would need to include a provision satisfactory to the City, that the Antenna System shall be removed upon development of the area, should development occur prior to the end of their lease agreement."
- Replacing with: "In the interim, should an Antenna System be proposed in a New Community Area identified on Schedule 1 to the Vaughan Official Plan 2010, at a location without an approved Block Plan, then the Proponent of said tower shall take steps to ensure that the location of its Antenna System does not physically interfere with the build out of the relevant Block Plan by:
 1. Agreeing to conditions of Concurrence that require that the Antenna System be relocated should a development be approved which would permit construction on its landlord's property at a location where it would be physically affected by the location of the Antenna System. Notwithstanding the foregoing, relocation shall not be required until:
 - a. Municipal Concurrence has been granted, a lease/license secured for the replacement Antenna System, and the new replacement Antenna System is built and in service; and,
 - b. The owner of the Antenna System has determined that the replacement site is technically acceptable. Or,
 2. In the alternative and at the discretion of the proponent, the proponent of the Antenna System may advise the City that it has made all reasonable commercial efforts to ensure its lease/license contains provisions that enable the Antenna System to be relocated to a technically acceptable site, under the control of the landlord, should a development be approved on its landlord's property provided Municipal Concurrence has been granted, and a lease/license secured for the replacement Antenna System.

Concurrence shall be considered for the replacement site as if it were located in Area "D" on Figure 1, provided that the relocation is within a 150 m radius of the existing Antenna System. If relocation is outside of the 150 m radius, public notification/consultation may be required, at the discretion of the City. At the time of relocation, the Proponent shall work with the City to establish a location suitable with respect to the location of land uses, roads, infrastructure and naturally significant areas that are identified through the Block Plan process."

Concern #4: The requirement for the Proponent to recommence full municipal consultation process (i.e. public consultation and approval by Vaughan Council) if the antenna system is not installed within 3 years of municipal concurrence (Section 8.6 in the Protocol).

Existing Protocol

Section 8.6 in the Protocol provides a three-year expiration for construction of an antenna system from the date of municipal concurrence. If an antenna system is not installed within 3 years after municipal concurrence, and the Proponent wishes to proceed with installation, the Proponent is required to recommence the municipal consultation process.

Staff Response to Concern #4

Section 8.6 of the Protocol is mandated by Section 4.4 of CPC-2-0-03. Section 4.4 of CPC-2-0-03 also gives land use authorities (i.e. the City) permission to extend municipal concurrence after the three-year expiry, provided that it is agreed upon by the land use authority.

The Wireless Carriers' suggested that the Director of Development Planning be given authority to grant an extension to the three-year expiry, provided that it is demonstrated to the satisfaction of the Director of Development Planning that no substantial change in land use planning circumstances (i.e. land use changes as a result of an updated Official Plan and/or site/area specific development applications), within the vicinity of the proposal has occurred since concurrence was initially given. At this time, the Director of Development Planning would then have the authority to determine if the proponent must recommence the municipal consultation process.

The Development Planning Department supports this request as it will limit duplication of process for planned antenna systems where municipal concurrence has been granted in areas where no substantial change in land use has occurred. This recommendation is also consistent with Recommendation #34 in the Telecommunications Facility Siting Task Force Findings Report – Staff Review and Response, adopted by Vaughan Council on June 24, 2014, which recommends that the proponent consult with staff to review the proposal and to determine if further action is required after the three-year expiry.

Proposed Changes to the Protocol

The proposed changes are outlined in the bullet points that follow:

- Deleting Section 8.6, in part: "That if an Antenna System is not installed within 3 years after the municipal concurrence and the Proponent wishes to proceed with installation, the Proponent is required to recommence the municipal consultation process."
- Replacing with: "That if an Antenna System is not installed within 3 years after the municipal concurrence and the Proponent wishes to proceed with installation, the Proponent is required to recommence the municipal consultation process. Notwithstanding the above, the Proponent may request in writing to the Director of Development Planning an extension not exceeding one year in length provided that it is demonstrated to the satisfaction of the Director of Development Planning that no substantial change in land use planning circumstances within the vicinity of the proposal has occurred since concurrence was initially given. One additional one year extension may be given by the Director of Development Planning after the original one year extension, for a maximum of 5 years after municipal concurrence."

Concern #5: Clarification regarding the exclusion criteria as established by CPC-2-0-03 with regards to "modification" of an antenna system (Section 4.1 of the Protocol).

Existing Protocol

Section 4.1 of the Protocol identifies exemptions from the requirement to consult with the City, as per Section 6 of CPC-2-0-03. Section 4.1, Subsection 2 identifies exemptions for additions or modification to existing antenna systems, and allows the proponent to increase the height of an existing antenna system to no greater than 25% without the need for municipal concurrence. Any subsequent modifications or additions to the same structure will be subject to the municipal consultation process, as applicable.

Staff Response to Concern #5

Clarification was requested by the Wireless Carriers respecting the policy that any subsequent modifications or additions to the same structure will be subject to the municipal consultation process, as applicable. Modifications to an antenna system are permitted without municipal consultation, provided that the 25% height limit based on the existing antenna system is respected. The current language in the Protocol seems to suggest that any subsequent modifications would be subject to municipal consultation/concurrence.

The Development Planning Department agrees that the current language may infer that municipal concurrence is required for modifications to an existing tower that respects the 25% height increase. On this basis, Section 4.1, Subsection 2 has been modified to provide a clear understanding that modifications to towers do not require municipal concurrence, provided that the antenna system respects the 25% height increase.

Proposed Changes to the Protocol

The proposed change is as follows:

- Delete Section 4.1, Subsection 2 in its entirety and replace with the following: "Addition, modification or replacement of an Antenna System (including improving the structural integrity of its integral mast to facilitate sharing), the transmission line or an antenna-supporting structure, provided the addition or modification does not result in an overall height increase of 25% of the initial antenna system installation. No increase in height may occur within one year of completion of the initial construction. Any addition above 25% will require concurrence and may require public consultation, if applicable. No consultation is required prior to performing maintenance on an existing antenna system. The exclusion for the replacement of existing antenna systems applies to replacements that are similar to the original design and location."

Concern #6: Clarification regarding the requirement for the proponent to provide technical specifications of all radio equipment, including updates as installations are modified (Section 5.4 of the Protocol).

Existing Protocol

Section 5.4 of the Protocol provides development guidelines for the siting of antenna systems. Subsections 1 and 2 require the proponent to provide to the City technical specifications for all radio equipment, including updates as installations are modified, in order to mitigate interference with the City's wireless services (e.g. emergency/fire notification).

Staff Response to Concern #6

The Wireless Carriers requested clarification regarding this requirement, as ISEDC already requires that new facilities not interfere with existing wireless services through radio immunity requirements. Recommendation #14 in the Telecommunications Facility Siting Task Force Findings Report indicates that this data shall only be required for antenna systems that are proposed on City-owned land. Accordingly, the Development Planning Department has amended the Protocol to move Subsections 1 and 2 in Section 5.4 of the Protocol into Section 5.5: "Criteria for Siting Antenna Systems on City-owned Land".

Proposed Changes to the Protocol

The proposed change is as follows:

- Deleting Subsections 1 and 2 respecting technical specifications for antenna systems in Section 5.4 of the Protocol ("Development Guidelines"), and adding these policies as Subsection 5 and 6 in Section 5.5 of the Protocol ("Criteria for Siting Antenna Systems on City-owned Land").

Antenna Systems in City-owned Local Parks

Section 5.2 of the Protocol identifies a hierarchy of preferred sites for the location of a new antenna system in the City of Vaughan. The proponent is encouraged to seek City-owned properties and facilities when they are in search of lands to develop a new antenna system. The sizes of parks are identified in Section 7.3.2.6 of Vaughan Official Plan 2010. Regional (greater than 15 ha) and District (greater than 5 ha) Parks owned by the City are preferred only after employment areas, rail facilities, other non-residential zones, natural areas and other publically-owned properties. Local/Neighbourhood Parks (0.75 to 5 ha) are further identified as being discouraged for the development of a new antenna system under Section 5.5.1 of the new Protocol, unless no other suitable option can be found, thereby identifying local parks as the least preferred location for a new antenna system.

Restricting all local parks or local parks that are 2 ha or less in area from the development of a new antenna system may encourage Proponents to seek adjacent private lands in proximity to a local park to

develop a new antenna system. This scenario may provide a disincentive to Carriers when they are considering approaching the City, and create challenges for the community and City in locating a new antenna system. In addition, the lease arrangement for the antenna system will rest with a private landowner, thus reducing the potential influence of the City in any arrangement.

For all new antenna proposals on City-owned land, the Proponent is required to contact the Vaughan Real Estate Department, who will report to Council seeking Council's interest in pursuing a lease arrangement or not. If not, Council has exercised its decision-making ability to not further pursue a new antenna system in a Local Park. Alternatively, should Council decide to pursue an antenna system in a Local Park, only once the lease arrangement has been approved by Vaughan Council can the Proponent pursue the antenna system through the regular telecommunication siting process outlined in the Protocol with the Vaughan Development Planning Department. Should Council decide to give concurrence to allow an antenna system on City lands, the Proponent would enter into a lease agreement with the City through the Vaughan Real Estate Department that specifies the terms and conditions of the Proponent's occupancy of City property, including but not limited to the length of term, rent payable, insurance requirements, indemnity, co-locates, site location and access, design of facility, and Letter of Credit.

Given the above, the Development Planning Department recommends that Section 5.5.1 of the new Protocol remain unchanged, as this section does not relinquish Vaughan Council's ability to decide if a local park, regardless of size, is a suitable location for a new antenna system through the lease arrangement process with the Vaughan Real Estate Department prior to an application through the telecommunication siting/concurrence process.

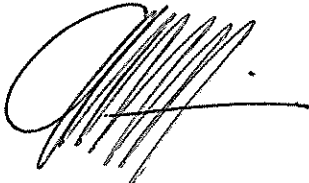
Communications Plan

On August 17, 2016, Vaughan Development Planning staff notified the members of the Task Force and known telecommunications industry professionals of the original staff report that proceeded to the September 7, 2016, Committee of the Whole meeting. On September 19, 2016, Development Planning staff notified the Task Force members of the Development Planning Department's request for deferral of the Protocol to the October 19, 2016, Council Meeting. On October 14, 2016, Development Planning Staff notified the Task Force members of the proposed changes identified in this Communication. Vaughan Council's decision in this matter, and a copy of the staff report and revised Protocol, if approved, will be communicated to the Task Force members. The final Protocol, should it be approved by Council, will also be made available on the City's website, and to known telecommunications companies that the City regularly works with.

Conclusion

The Development Planning Department has made revisions to the City of Vaughan Telecommunication Facility Siting Protocol in response to comments and concerns raised by the Wireless Carriers. Staff supports the proposed changes identified in this Communication, as they maintain the objectives of the Protocol as identified in the Development Planning Departments Technical Report dated September 7, 2016, and the Telecommunications Facility Siting Task Force Findings Report – Staff Review and Response, adopted by Vaughan Council on June 24, 2014. The Development Planning Department has also provided greater clarification in this Communication (with no changes proposed) regarding criteria for the development of new antenna systems within City-owned local parks. Accordingly, should Vaughan Council concur, the City of Vaughan Telecommunication Facility Siting Protocol shown as Attachment #1 contained in the report by the Deputy City Manager, Planning & Growth Management, Director of Development Planning, Senior Managers of Development Planning, and the Manager of Urban Design dated September 7, 2016, can be deleted and replaced with the revised City of Vaughan Telecommunication Facility Siting Protocol, attached hereto, for approval.

Respectfully submitted,

A handwritten signature in black ink, consisting of a large, stylized 'J' followed by several vertical strokes and a horizontal line extending to the right.

JOHN MACKENZIE
Deputy City Manager,
Planning & Growth Management

Attachment: Revised City of Vaughan Telecommunication Facility Siting Protocol

MA/cm

Copy to: Daniel Kostopoulos, City Manager
Grant Uyeyama, Director, Development Planning
Andrew Pearce, Director, Development Engineering and Infrastructure Planning
Jamie Bronsema, Director, Parks Development
Paul Salerno, Senior Manager, Real Estate



VAUGHAN

DRAFT

City of Vaughan

Telecommunication Facility Siting Protocol

(Telecommunication Antenna Systems that include Free-standing Towers and
Building/Structure Mounted Antennas)

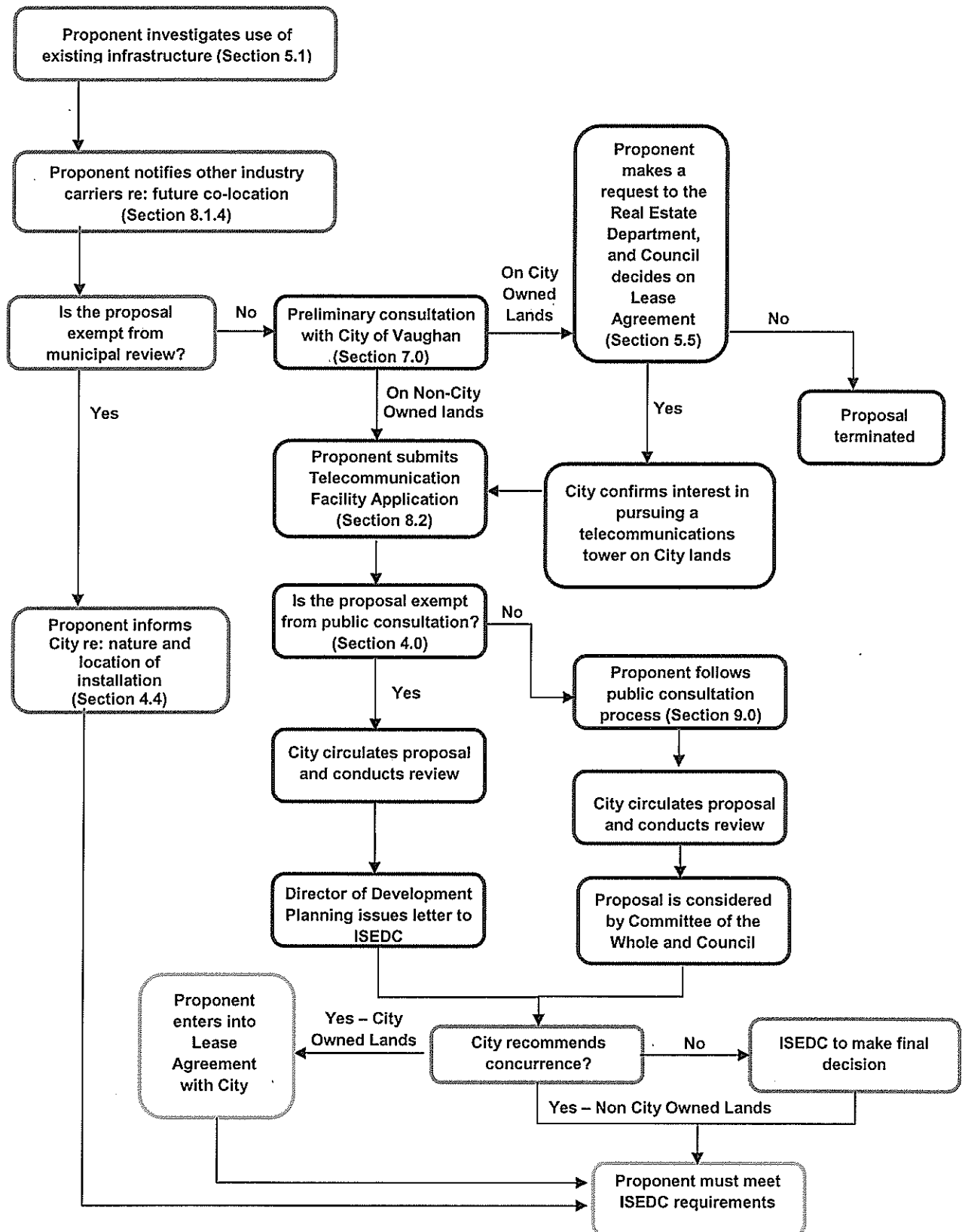
(UPDATED OCTOBER 17, 2016 WITH DRAFT
TEXT REFLECTING STAFF RECOMMENDED
CHANGES)

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Process Flowchart

1.0 Background and Objectives

Background

The following document represents the City of Vaughan's Telecommunication Facility Siting Protocol ("Protocol"). The Protocol serves as a guide for Proponents seeking to locate new Telecommunication Facilities ("Antenna Systems" as defined in Section 3) within the City of Vaughan. The Vaughan Development Planning Department, in consultation with other City departments and with consideration of the recommendations of the Telecommunication Facility Siting Protocol Task Force ("Task Force"), developed this protocol. On June 7, 2011, Vaughan Council approved the Terms of Reference and creation of the Task Force. The Task Force included 10 members, comprised of various stakeholders (5 members from the public, 3 industry representatives, and 2 Vaughan Councillors), with technical assistance from the Vaughan Development Planning Department. The Task Force developed a comprehensive work plan in order to achieve the objectives stated above. City staff, primarily from the Vaughan Development Planning Department, attended the Task Force meetings to provide advisory and technical support.

The Task Force formally met 14 times during the period from September 2011 to December 2013. The meetings of the Task Force resulted in the preparation of a Findings Report, with 35 recommendations which was approved by the Task Force on December 17, 2013. The report was forwarded to the Vaughan Committee of the Whole meeting on January 14, 2014, and subsequently to Vaughan Council for consideration. On January 28, 2014, Vaughan Council approved the following recommendation of the Committee of the Whole as recommended by the City Clerk, on behalf of the Task Force:

"THAT the Telecommunication Facility Siting Protocol Task Force Findings and Recommendations Report be referred to staff for review and that a report be provided to a future Committee of the Whole meeting."

On June 17, 2014, the Vaughan Development Planning Department submitted a report commenting on the appropriateness and feasibility of implementing the 35 recommendations in the Task Force Findings Report for consideration by the Vaughan Committee of the Whole, and subsequently to Vaughan Council for consideration. On June 24, 2014, Vaughan Council approved the following recommendation of the Committee of the Whole as recommended by the Vaughan Development Planning Department:

"THAT the Vaughan Development Planning Department be directed to prepare a new City of Vaughan Telecommunication Facility Siting Protocol ("Protocol"), for consideration at a future Committee of the Whole (Working Session) meeting, in early 2015."

Objectives

The City of Vaughan Telecommunication Facility Siting Protocol aims to achieve the following objectives:

1. To establish a concise, consolidated protocol for reviewing Antenna System siting proposals within the City of Vaughan.
2. To require active participation by Proponents and municipal stakeholders in locating future Antenna Systems.
3. To ensure the City of Vaughan plays an important role in harmonizing telecommunication network objectives with Vaughan's policies and procedures.
4. To identify site selection criteria and design guidelines which minimize the scale, visual impact and number of Antenna Systems, particularly within or adjacent to sensitive land uses (ie. Residential Zones, Heritage Conservation Districts).
5. To establish a transparent and meaningful consultation and review process that enables effective communication between the Proponent, other industry carriers, the public, the City of Vaughan, Innovation, Science and Economic Development Canada (ISED), formerly called Industry Canada, and other stakeholders or agencies in a timely manner.
6. To promote economic development and competitiveness through supporting effective telecommunication services that meet the needs of Vaughan residents and businesses, and that encourages the most advanced Antenna Systems.
7. To set out an objective process, criteria and guidelines that are transparent, consistent and predictable for the evaluation of Telecommunication Facility Siting proposals that:
 - a. Minimize the number of new Antenna System sites by requiring co-location, where feasible;
 - b. Encourage designs that integrate with the surrounding land use and public realm;
 - c. Establish when local public consultation is required; and,
 - d. Allow ISED and the telecommunications industry to identify and resolve any potential land use, siting or design concerns with the City of Vaughan at an early stage in the process.
8. To establish a consultation framework that ensures the City of Vaughan and members of the public contribute local knowledge that facilitates and influences the siting, location, development and design (including aesthetics) of Antenna Systems within the City's boundaries.

2.0 Jurisdiction and Roles

2.1 Role of Innovation, Science and Economic Development Canada (ISED) formerly called Industry Canada

The approval authority for Telecommunication Antenna Systems is ISED, which is a federal agency governed by the *Radiocommunication Act*. In its ongoing role to regulate Antenna Systems, ISED has released documentation in the form of a Client Procedures Circular (CPC-2-0-03) titled "Radiocommunication and Broadcasting Antenna Systems (Formerly CPC-2-0-03 Environmental Process, Radiofrequency Fields and Land-Use Consultation)", which is a procedural outline to assist Proponents and land use authorities in the processing and implementation of radiocommunication and broadcasting Antenna Systems. This document outlines requirements that must be followed when installing a new or modifying an existing Antenna System. In June 2014, ISED issued an update to its Radiocommunication and Broadcasting Antenna Systems Client Procedures Circular (CPC-2-0-03), which outlines the process that must be followed by Proponents seeking to install or modify Antenna Systems, effective July 15, 2014.

Section 5 of the *Radiocommunication Act*, which governs the Telecommunication Industry, states that "The Minister may, taking into account all matters the Minister considers relevant for ensuring the orderly development and efficient operation of radiocommunication in Canada, issue radio authorizations and approve each site on which radio apparatus, including Antenna Systems, may be located." Furthermore, "the Minister may approve the erection of all masts, towers and other antenna-supporting structures".

ISED also requires that Proponents intending to install or modify an Antenna System notify and consult with the City (Land Use Authority) and the local community within a prescribed distance from the proposed structure. ISED also published a Guide to Assist Land-use Authorities in Developing Antenna System Siting Protocols in August, 2014, stating it "considers that the City's and local residents' questions, comments and concerns are important elements to be considered by a Proponent seeking to install, or make modifications to, an Antenna System." The Client Procedures Circular (CPC) also establishes a dispute resolution process to be used where the Proponent and Municipality have reached an impasse.

Although ISED has undertaken the effort to ensure involvement on the part of local municipalities, ISED continues to be the approval authority in matters respecting Telecommunication Towers/Antennas and associated equipment. The City can only make recommendations to ISED regarding Antenna System siting proposals.

The installation of any Telecommunication Antenna System or the continuing operation of a telecommunication Antenna System, which is not in accordance with the process outlined by ISED, may require alteration or removal and other sanctions against the operator to be determined by ISED, in accordance with the *Radiocommunication Act*.

Additional information regarding ISED's process can be referred to ISED's Spectrum Management and Telecommunication Sector at <http://ic.gc.ca/spectrum>.

2.2 Role of the City of Vaughan

The City of Vaughan has a responsibility to fully participate in ISED's land-use consultation process, however, has limited jurisdiction around the regulation of Telecommunication Antenna Systems. The federal government has jurisdiction over all inter-provincial and international Antenna Systems in Canada. Therefore, the decision making around approving the location and operation of telecommunications facilities can only occur through ISED's approval process. ISED's requirements, including CPC-2-0-03, Issue 5, effective July 15, 2014, provide the City of Vaughan with the ability to make recommendations on the siting of wireless telecommunication facilities.

The main role of the City of Vaughan is to issue a Statement of Concurrence or Non-Concurrence to the Proponent and to ISED. The statement shall consider all aspects of the consultation and review process discussed within this Protocol. The City of Vaughan guides and facilitates the siting process by:

- **Communicating to Proponents** the particular amenities, sensitivities, planning priorities and other relevant characteristics of the area;
- **Developing design guidelines** for Antenna Systems contained in Section 6 of this Protocol; and,
- **Establishing a public consultation process**, contained in Section 9 of this Protocol.

2.3 Role of the Proponent

Proponents must strategically locate Antenna Systems to satisfy technical criteria and operational requirements in response to public demand. Through the siting process, Proponents must adhere to the Antenna System siting guidelines in CPC-2-0-03, including:

1. Investigating sharing or using existing infrastructure before proposing new antenna-supporting structures (consistent with CPC-2-0-17, *Conditions of License for Mandatory Roaming and Antenna Tower and Site Sharing and to Prohibit Exclusive Site Arrangements*).
2. Contacting the City of Vaughan to determine local requirements regarding Antenna Systems, including, but not limited to:
 - a. Meeting the City of Vaughan requirements regarding site selection, tower design, exemptions and public notification procedures, established in this Protocol;
 - b. Engage with the City of Vaughan Development Planning Department on an annual basis in order to review future and upcoming City-wide network requirements prior to commencing site acquisition activities, as described in Sections 5.2 and 7.1 of this Protocol; and,
 - c. Being an active stakeholder in the Block Plan process and providing input in determining locations for telecommunication facilities that are acceptable to all parties early in the process, as described in Section 5.2 of this Protocol.
3. Undertaking public notification and addressing relevant concerns as is required and appropriate.

2.4 Additional Federal Legislation

In addition to the Radiocommunication Act, Proponents must also comply with the following federal legislation and/or regulations, where warranted:

1. Health Canada's Safety Code 6 – Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 KHz to 300 GHz, as described in Section 2.5 of this Protocol;
2. The *Canadian Environmental Assessment Act*, 2012; and,
3. NAV Canada and Transport Canada's painting and/or lighting requirements for aeronautical safety.

2.5 Health and Safety

Health Canada has established safety guidelines for exposure to radio frequency fields, in its Safety Code 6 publication entitled "Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz". ISEDC has adopted this guideline for the purpose of protecting the general public, which concludes that there is no scientific or medical evidence that a person will experience adverse health effects from exposure to radio frequency fields, provided that the installation complies with Safety Code 6.

It is the responsibility of Proponents and operators of the installations to ensure that all radiocommunication and broadcasting installations comply with Safety Code 6 at all times, including the consideration of combined effects of nearby installations within the local radio environment. For all Proponents following the City of Vaughan's Public Consultation Process, the Proponent's notification package must provide a written attestation that there will be compliance with Safety Code 6 for the protection of the general public, including consideration of nearby radiocommunication systems. The notification package must also indicate any Safety Code 6 related signage and access control mechanisms that may be used on the facility.

Prior to ISEDC's approval of a telecommunication facility, the Proponent must submit a signed attestation or an acceptable analysis to ISEDC indicating compliance with Safety Code 6. The ISEDC departmental officer processing the application is expected to exercise judgment on the validity of the submission. If there is any doubt about the compliance or if the application is not accompanied by an attestation or an analysis, further testing for Safety Code 6 compliance may be required as outlined in the technical requirements of ISEDC's "Safety Code 6 Radio Frequency Exposure Compliance Evaluation Template".

Telecommunication common carriers and operators of broadcasting undertakings are to carry out an exposure evaluation on all new installations and following any increases in radiated power. Either measurement surveys or mathematical or numerical computations can be used for this evaluation. Where the radio frequency emission of any installation, whether telecommunication carrier or broadcasting operator, is greater than or is equal to 50% of the Safety Code 6 limits for uncontrolled environments at locations accessible to the general public (i.e. not solely available for access by workers), the operator(s) of radio frequency emitters must notify ISED and demonstrate compliance with Safety Code 6. This determination of 50% of Safety Code 6 must be in consideration of the local radio environment.

Compliance with Safety Code 6 is an ongoing obligation. At any time, Antenna System operators may be required, as directed by ISED, to demonstrate compliance with Safety Code 6 by (i) providing detailed calculations, and/or (ii) conducting site surveys and, where necessary, by implementing corrective measures. Proponents and operators of existing Antenna Systems must retain copies of all information related to Safety Code 6 compliance such as analyses and measurements.

The Proponent must provide written attestation confirming compliance with Safety Code 6 for the protection of the general public for all telecommunication facility siting applications submitted to the City, as contained in Section 8 of this Protocol.

3.0 Definitions

Antenna System: Means an exterior transmitting device – or group of devices - used to receive and/or to transmit radio-frequency (RF) signals, microwave signals, or other federally-licensed communications energy transmitted from, or to be received, by other antennas. Antenna Systems include the antenna, and may include a supporter tower, mast or other supporting structure, and an equipment shelter. This protocol most commonly refers to the following two types of Antenna Systems:

1. **Freestanding Antenna System:** Means a structure (ie. tower or mast) built from the ground for the expressed purpose of hosting an Antenna System or Antenna Systems;
2. **Building/Structure-Mounted Antenna System:** Means an Antenna System mounted on an existing structure, which could include a building wall or rooftop, a light standard, water tower, utility pole or other.

*For clarification purposes an Antenna System is also referred to as a Radiocommunications/ Telecommunications Facility.

Broadcasting: Means any transmission of programs, whether or not encrypted, by radio waves or other means of telecommunication for reception by the public by means of broadcasting receiving apparatus, but does not include any such transmission of programs that is made solely for performance or display in a public place.

Broadcasting Undertaking: Includes a Distribution Undertaking, a Programming Undertaking and a Network.

City: Means the City of Vaughan.

Co-location: Means the placement of Antenna Systems on an existing building or structure, or the placement of additional Antenna Systems on an existing support structure, by one or more Proponents, thereby creating a shared facility.

Community Sensitive Locations: Means land on which the siting of new Antenna Systems is discouraged, or requested to be subject to greater consultation than otherwise dictated by the standard protocol.

CPC-2-0-03: Means ISEDC's Client Procedures Circular, "Radiocommunication and Broadcasting Antenna Systems", Issue 5, effective July 15, 2014.

Distribution Undertaking: Means an undertaking for the reception of broadcasting and the retransmission thereof by radio waves or other means of telecommunication to more than one permanent or temporary residence or dwelling unit or to another such undertaking.

Expanded Notification: Means notification beyond that which would be required in Part C Section 3 of CPC-2-V-03, as mutually agreed upon by the City and the Proponent, which may include for example: a more detailed information package and/or offer of an information meeting with the Proponent that may be sent to the school principal when the impacted land use is a school. Other examples include in the event a community centre is impacted, community newsletters, bulletins, and/or postings within the building.

Height: Means the vertical distance measured from the lowest ground level at the base, including the foundation, to the tallest point of the Antenna System. For greater clarity, height of a Building/Structure-Mounted Antenna System shall be measured from the ground level of the non-tower building/structure to the tallest point of the Antenna System. Depending on the particular installation, the tallest point may be an antenna, lightning rod, aviation obstruction lighting or some other appurtenance. Any attempt to artificially reduce the height (addition of soil, aggregate, etc.) will not be included in the calculation or measurement of the height of the Antenna System.

Innovation, Science and Economic Development Canada: Means the Federal Department that is responsible for radio frequency spectrum management. This Department was previously referred to as "Industry Canada".

Programming Undertaking: Means an undertaking for the transmission of programs, either directly by radio waves or other means of telecommunication or indirectly through a distribution undertaking, for reception by the public by means of broadcasting receiving apparatus.

Proponent: Means a company, organization or individual that offers, provides, or operates a telecommunication facility for personal use or the general public.

Radiocommunications/Telecommunications Facility: Refer to Antenna Systems definition.

Safety Code 6: Means Health Canada's Safety Code 6, "Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz," 2009.

Sensitive Lands (Community, Environmental and Visually Sensitive Lands): Means lands on which tower siting is to be discouraged or requires enhanced design or expanded notification. (***Includes:*** elementary and secondary schools, local/neighbourhood parks, community centres, low rise residential zones, environmentally sensitive areas (ANSI, ESA's, Woodlot, Wetlands, Interior Forest). *If a proposed Radiocommunication/Telecommunication Facility is located in a Community, Environmental and Visually sensitive area, then the Proponent should consult with the City to determine whether the proposed site is discouraged or will require an enhanced consultation process.*

Third Party Tower Owner: Proponents who install towers or Antenna Systems on behalf of others or for leasing purposes.

Telecommunications Carrier: Means a person or business that owns or operates a transmission facility used by that person or another person to provide telecommunications services to the public for compensation.

4.0 Exemptions from the Consultation Process

This section outlines the criteria for identifying Antenna Systems excluded from the consultation process by ISEDC, the need to consider local circumstances for all exempt structures, and the process for Proponents to notify and discuss proposed exempt structures with the City. Depending on the type of Antenna System proposed and the proposed system's proximity to discouraged locations (i.e. within the Prescribed Distance from the nearest Residential Area), structures typically excluded by ISEDC may be required to follow all or part of the pre-consultation, proposal submission and public consultation identified in this protocol.

4.1 ISEDC Exemptions from the Requirement to Consult with the City

For the following types of installations, Proponents are generally excluded by ISEDC from the requirement to consult with the Municipality and the public, but must still fulfill the General Requirements outlined in Section 7 of CPC-2-0-03:

1. The maintenance of existing telecommunications apparatus including the Antenna System, transmission line, mast, or other antenna-supporting structure or maintenance of an Antenna System's painting or lighting in order to comply with Transport Canada's requirements;
2. Addition, modification or replacement of an Antenna System (including improving the structural integrity of its integral mast to facilitate sharing), the transmission line or an antenna-supporting structure, provided the addition or modification does not result in an overall height increase of 25% of the initial antenna system installation. No increase in height may occur within one year of completion of the initial construction. Any addition above 25% will require concurrence and may require public consultation, if applicable. No consultation is required prior to performing maintenance on an existing antenna system. The exclusion for the replacement of existing antenna systems applies to replacements that are similar to the original design and location;

This exclusion does not apply to Antenna Systems using purpose built antenna supporting structures with a height of less than 15 metres above ground level operated by telecommunications carriers, broadcasting undertakings or third party tower owners;

3. Non-tower structures: antennas on buildings, rooftops, water towers, lamp posts, etc. may be excluded from consultation provided that the height above ground of the non-tower structure, exclusive of appurtenances, is not increased by more than 25%. **Telecommunication carriers, operators of broadcasting undertakings and third party tower owners are encouraged to contact the City to confirm if the proposed Antenna System meets this exclusion;**
4. Temporary antenna systems, for a limited duration (typically not more than 3 months), of an Antenna System that is used for a special event, or one that is used to support local, provincial, territorial or national emergency operations during the emergency, and is removed within 3 months after the emergency or special event; and,

5. New Antenna Systems, including masts, towers or other antenna-supporting structure, with a height less than 15 m above ground level. **This exclusion does not apply to Antenna Systems proposed by telecommunications carriers (e.g. Bell, Telus, Rogers), broadcasting undertakings or third party tower owners.**
6. Replacement of an existing antenna system provided that the replacement is similar to the original in design and location.

Section 6 of CPC-2-0-03 states that individual circumstances vary with each Antenna System installation and modification, and the exclusion criteria above should be applied in consideration of local circumstances. Consequently, it may be prudent for the Proponents to consult the City and the public even though the proposal meets an exclusion noted above. Therefore, when applying the criteria for exclusion, Proponents should consider such things as:

- the Antenna System's physical dimensions, including the antenna, mast, and tower, compared to the local surroundings;
- the location of the proposed Antenna System on the property and its proximity to neighbouring residents;
- the likelihood of an area being a Community-Sensitive Location; and,
- Transport Canada marking and lighting requirements for the proposed structure.

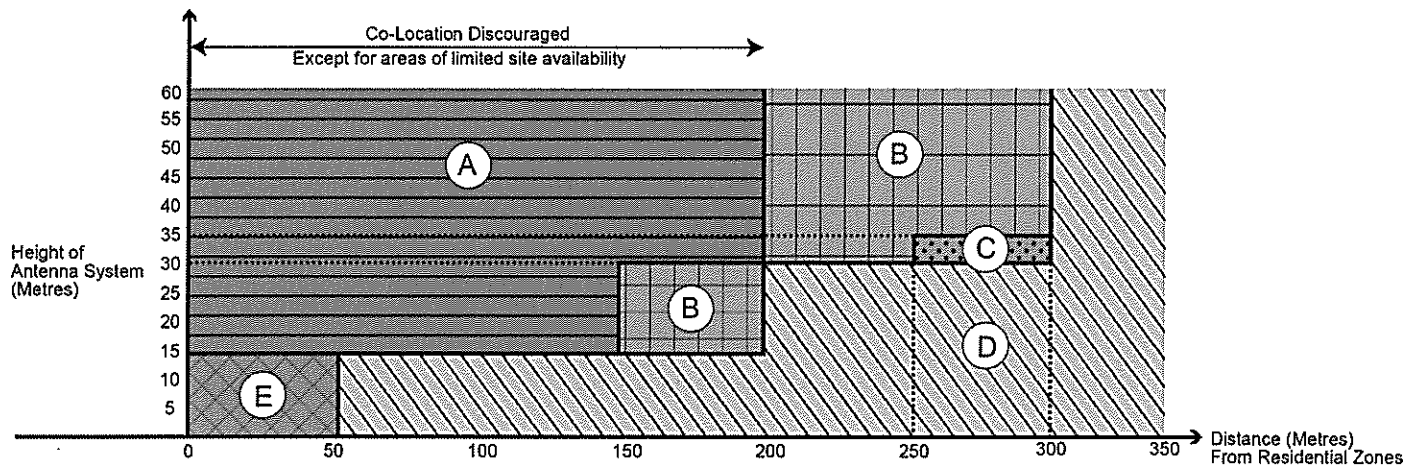
4.2 Vaughan Specific Exemptions from the requirements to consult with the City and Public

In addition to the exclusions identified by ISEDC in Section 4.1, the following telecommunication installations are exempt from the requirements to consult with the City and Public within the City boundaries:

1. New telecommunication facilities located a minimum of 200 m away from residential zones, within lands zoned for employment and/or industrial uses; and,
2. Amateur radio telecommunication towers provided they are for personal use only and less than 15 m in height.

4.3 Specific Exemptions from the Requirements to Consult with the City and/or the Public

FIGURE 1: Antenna System siting application review process; modified review procedures to encourage Proponents to voluntarily select sites away from residential zones



Legend:

- Area "A": Full Review Process, Public Consultation, and Council Approval Required
- Area "B": Staff Review and Council Approval Required (No Public Consultation Required)
- Area "C": If Co-Located, Council Approval Not Required; If Single Carrier, Council Approval Required
- Area "D": Staff Review and Approval Required (No Council Approval Required)
- Area "E": Staff Review and Approval Required (No Council Approval Required) Public Notification Required

Explanatory Notes for Figure 1:

- a) Antenna Systems that meet the requirements of Area "A" as per Figure 1 require full public consultation, City review and approval by Vaughan Council. Antenna Systems that meet the requirements of "Area A" are as follows:
 - i. Antenna Systems that are higher than 15 m in height that are located within 0 and 150 m from any residential zone; or
 - ii. Antenna Systems that are higher than 30 m in height and are located at a distance between 150 m and 200 m from any residential zone.
- b) Antenna Systems that meet the requirements of Area "B" as per Figure 1 require City review and approval by Vaughan Council, but do not require Public Consultation. Antenna Systems that meet the requirements of "Area B" are as follows:

- i. Antenna Systems that are between 15 m and 30 m in height, and are located at a distance between 150 m and 200 m from any residential zone; or
 - ii. Antenna Systems that are higher than 30 m in height, and are located at a distance between 200 m and 250 m from any residential zone; or
 - iii. Antenna Systems that are higher than 35 m in height, and are located at a distance between 250 m and 300 m from any residential zone.
- c) Antenna Systems that meet the requirements of Area "C" as per Figure 1 may require approval by Vaughan Council dependent on the tower being co-located by multiple carriers, or occupied by a single carrier. Antenna Systems that meet the requirements of Area "C" are as follows:
- i. Antenna Systems that are between 30 m and 35 m in height, located at a distance between 250 m and 300 m from any residential zone, and are occupied by a single carrier, the review process for Area "B" applies; or
 - ii. Antenna Systems that are between 30 m and 35 m in height, located at a distance between 250 m and 300 m from any residential zone, and are co-located on an existing tower, the review process for Area "D" applies.
- d) Antenna Systems that meet the requirements of Area "D" as per Figure 1 are exempt from Vaughan Council approval and public notification. Applications would be reviewed and granted concurrence/non-concurrence by the City. Antenna Systems that meet the requirements of Area "D" are as follows:
- i. Antenna Systems equal to or lower than 15 m in height, and located at a distance between 50 m and 200 m from any residential zone; or
 - ii. Antenna Systems equal to or lower than 30 m in height, and located at a distance between 200 m and 300 m from any residential zone; or
 - iii. Antenna Systems, regardless of height, farther than 300 m from any residential zone.
- e) Antenna Systems that meet the requirements of Area "E" as per Figure 1 are exempt from Vaughan Council approval. Applications would be reviewed and granted concurrence/non-concurrence by the City. Public Notification is required as per the "Prescribed" Distance for Notification" in Section 9.2 and the "Notice Requirements" in Section 9.4. Proposals may be "bumped up" to Vaughan Council for a decision when a minimum of two (2) members of Council request in writing to the Development Planning Department through the City's application circulation process. Antenna Systems that meet the requirements of Area "E" are as follows:
- i. Antenna Systems equal to or lower than 15 m in height, and located at a distance 50 m or less from any residential zone.

- f) This section does not apply if an Antenna System is proposed within a Heritage Conservation District. New Antenna Systems located within a Heritage Conservation District are subject to the full public consultation and review process, including approval by Vaughan Council.
- g) Figure 1 shall be reviewed by the City every two years to reflect the industry's new information, technology and standards.

4.4 Notification of Exempt Antenna Systems

Notwithstanding the exemption criteria for siting certain Antenna Systems outlined in Sections 4.1, 4.2 and 4.3, Proponents are advised to courteously inform the City of Vaughan of all new Antenna System installations within their boundaries so the City can:

- Be prepared to respond to public inquiries once construction/installation has begun;
- Be aware of site Co-location within the City;
- Maintain records to refer to in the event of future modifications and additions; and
- Engage in meaningful dialogue with the Proponent with respect to the appearance of the Antenna System and structure prior to the Proponent investing in full design.

Therefore, Proponents are required to undertake the following steps **for all exempt Antenna System installations before commencing construction**:

1. Building/Structure-Mounted Antenna Systems:

In all cases, the proponent will provide the following information for all new Antenna Systems or modifications to existing Antenna Systems that are mounted to an existing structure (ie. building/rooftop, water tower, utility pole or light standard):

- The location of the Antenna System (address, name of building, rooftop or wall mounted, etc.)
- Description of proposed screening or stealth design measures with respect to the measures used by existing systems on that site and/or the preferences expressed in Sections 5 and 6
- The height of the Antenna System
- The height of any modification to existing systems

The City may notify the Proponent of any inconsistency with the preferences and sensitivities expressed in Sections 5 and 6 and the parties will work towards a mutually agreeable solution.

2. Freestanding Antenna Systems and additions to Freestanding Antenna Systems:

The Proponent will confirm to the City that the Freestanding Antenna System to be erected, or an addition to an existing Freestanding Antenna System meets the exclusion criteria in Section 4 by providing the following:

- The proposed location, including the address and location on the lot or structure
- A short summary of the proposed Antenna System including a preliminary set of drawings or visual rendering of the proposed system

- A description of how the proposal meets one of the Section 4 exclusion criteria of this protocol

The City may notify the Proponent of any inconsistency with the preferences and sensitivities expressed in Sections 5 and 6. In such cases the City will work with the Proponent toward reaching a mutually agreeable solution, which may include the City requesting the proposal to be subject to all or part of the pre-consultation, proposal submission and public consultation process as outlined in this Protocol, as applicable, concluding with a letter of concurrence or non-concurrence.

5.0 Site Selection

5.1 Co-locating on Existing Antenna Systems

Proponents of Antenna Systems are strongly encouraged to utilize existing tower facilities in all instances, except on or near visually sensitive lands (ie. residential zones), in order to reduce further visual intrusions in these areas. In areas of limited site availability where towers will be located in proximity to each other, co-location may be encouraged at the time of Pre-Application Consultation.

5.2 Preferred Site Selection Criteria

The City encourages Proponents to voluntarily select sites in the following order:

1. Sites co-located on existing telecommunication towers at least 200 m away from any residential zone.
2. Where co-location is not possible, a new tower located 200 m away from any residential zone in:
 - a) Employment areas and rail facilities;
 - b) Other non-residential zones;
 - c) Natural areas and open space, subject to certain criteria;
 - d) Other publicly-owned properties;
 - e) Regional and District parks; and,
 - f) Antenna Systems should not be located at prominent vistas, wherever possible.

In each instance, the Proponent is encouraged to seek City-owned properties and facilities.

3. Where it is not possible to locate outside 200 m from any residential Zone, and there is limited site availability, co-location may be encouraged at the time of Pre-Application Consultation.

5.3 Pre-identification of Potential Future Sites through the Block Plan Process

As stated in Section 2.3 of the Protocol, the City requires that the Proponent engage with the City of Vaughan Development Planning Department on an annual basis at a minimum, to review future and upcoming City-wide network requirements prior to commencing site acquisition activities. These meetings will ensure that potential sites within New Community Areas are identified early on in the planning process as to not compromise the future community plan and Block Plan process. As an active

stakeholder in the Block Plan process, the Proponent will be asked to provide input in determining locations that are acceptable to all parties early in the process. The goal is to identify and protect existing and future wireless telecommunication sites within the Block Plans to avoid land use conflict.

In the interim, should an Antenna System be proposed in a New Community Area identified on Schedule 1 to the Vaughan Official Plan 2010, at a location without an approved Block Plan, then the Proponent of said tower shall take steps to ensure that the location of its Antenna System does not physically interfere with the build out of the relevant Block Plan by:

1. Agreeing to conditions of Concurrence that require that the Antenna System be relocated should a development be approved which would permit construction on its landlord's property at a location where it would be physically affected by the location of the Antenna System. Notwithstanding the foregoing, relocation shall not be required until:
 - a) Municipal Concurrence has been granted, a lease/license secured for the replacement Antenna System, and the new replacement Antenna System is built and in service; and,
 - b) The owner of the Antenna System has determined that the replacement site is technically acceptable. Or,
2. In the alternative and at the discretion of the proponent, the proponent of the Antenna System may advise the City that it has made all reasonable commercial efforts to ensure its lease/license contains provisions that enable the Antenna System to be relocated to a technically acceptable site, under the control of the landlord, should a development be approved on its landlord's property provided Municipal Concurrence has been granted, and a lease/license secured for the replacement Antenna System.

Concurrence shall be considered for the replacement site as if it were located in Area "D" on Figure 1, provided that the relocation is within a 150 m radius of the existing Antenna System. If relocation is outside of the 150 m radius, public notification/consultation may be required, at the discretion of the City. At the time of relocation, the Proponent shall work with the City to establish a location suitable with respect to the location of land uses, roads, infrastructure and naturally significant areas that are identified through the Block Plan process.

5.4 Development Guidelines

1. Where the Proponent is unable to comply with the City's siting preferences, the application must include a justification explaining the rationale for the Proponent's siting decision.
2. The Proponent is required, where feasible and appropriate, to size leased areas to accommodate future expansion and co-location when leasing Antenna System facilities. In areas such as industrial/ employment areas where deemed appropriate by the City, the Proponent shall plan for the future accommodation of co-locating service providers by licensing sufficient compound space and by building Antenna Systems of sufficient height to permit such accommodations.

5. Proponents are encouraged to meet with Hydro One to determine if co-utilization of infrastructure is feasible in certain locations where determined appropriate.
6. The co-utilization of facilities and infrastructure such as utility poles, street lights and other vertical real estate is encouraged in place of a new structure.
7. Proponents are encouraged to design Antenna Systems in accordance with the urban design guidelines referenced in Section 6 of this Protocol.

5.5 Criteria for Siting Antenna Systems on City-owned Land

1. Antenna System proposals for City-owned lands should avoid the use of local parks in residential areas. However, when no other suitable option can be found, proposing the use of local parks in residential areas for telecommunication facilities will be considered by the City. As part of the evaluation process, Proponents shall demonstrate other potential locations are not suitable as detailed in Section 5.2 of this Protocol. These evaluations shall be provided to the Vaughan Development Planning Department for review.
2. Telecommunication providers shall consult with the City to provide the most suitable location on the identified City-owned site that takes into account planned development or redevelopment on the site, and so as to cause the least visual disturbance. The Proponent should contact the Vaughan Real Estate Department, who will report to Council seeking Council's interest in pursuing a lease arrangement or not. If so, the Proponent would pursue the Antenna System through the regular telecommunication siting process outlined in this Protocol with the Vaughan Development Planning Department. Should Council decide to give concurrence to allowing an Antenna System on City lands, the Proponent would enter into a lease agreement with the City through the Vaughan Real Estate Department.
3. Telecommunication providers shall enter into a lease agreement with the City that specifies the terms and conditions of the Proponent's occupancy of City property, including but not limited to length of term, rent payable, insurance requirements, indemnity, co-locates, site location and access, design of facility, and Letter of Credit.
4. Occupancy agreements with providers should facilitate the removal or relocation of a free standing Antenna System or a building/structure-mounted Antenna System, at no cost to the City, in light of decommissioning of the antenna system or redevelopment of the City site.
5. Antenna Systems shall not be installed in locations that would interfere with the City's wireless communication/security systems. Telecommunication providers are to conduct preliminary radio frequency study report(s) confirming that the intended wireless services will not interfere with any of the City's wireless services. The City should provide technical information regarding the City's wireless systems when required.
6. Proponents are required to provide technical specifications of all radio equipment to be used on each site. Proponents are required to supply updated technical information when installing

additional antennas/wireless services on an existing Antenna System. Proponents are also required to work with the City to mitigate any interference caused by their systems, including the removal of devices causing interference to the City's wireless services if required.

6.0 Design Guidelines for Antenna Systems

6.1 General Guidelines

The City of Vaughan strongly encourages a Proponent to explore opportunities to locate and design an Antenna System on the roof of existing or proposed high-rise structures in an area to reduce the adverse physical and visual impact of the infrastructure on the neighbouring properties.

The use of design features, colour, and landscaping can be used to screen Antenna Systems from view and should be encouraged whenever possible. The following design guidelines should be taken into consideration when designing a new Antenna System:

6.2 Freestanding Antenna System (ie. telecommunication tower)

1. Location Design and Landscape

- As per City of Vaughan Official Plan 2010 (VOP 2010) Policy 8.4.4.3, Proponents to locate a telecommunication tower to the rear of lots and away from streets to minimize the visual impact of the tower from the streetscape.
- All efforts will be made to decrease the size and visibility of all Antenna Systems (and associated infrastructure) to lessen negative visual impacts, complement surroundings, and to respect natural and human heritage features to the greatest extent possible. To ameliorate the scale and visual impact of Antenna Systems, mitigation measures shall include consideration of: design features, structure type, design, colour, materials and at grade features such as landscaping, screening and decorative fencing.
- The architectural style of the telecommunication tower will be chosen based upon what is most compatible with the surrounding physical context. Monopole design with antennas shrouded or flush mounted are preferred architectural styles.
- Where appropriate, the planting of trees and shrubs at the tower site and around the equipment shelter is encouraged to enhance the landscape character of the surroundings.
- One parking space will be provided at each new telecommunication tower site with access from a public right-of-way at a location acceptable to the City. Where parking is provided for another use on the site and this parking is within 20 metres of the telecommunication tower, the parking space for the tower is not required (parking spaces need not be exclusively devoted to Antenna System usage). The parking space should be thoughtfully integrated into the site design in order to minimize visual impact. Vehicle-grade permeable or unit paving may be considered for the parking space surface.

2. Colour, Lighting, Signage and Other Graphics

- Freestanding Antenna systems (towers and equipment) to have a non-reflective surface and be of a neutral colour (e.g. light grey) which is compatible with the sky and the surroundings. It is recognized that new towers must comply with the requirements of Transport Canada and NAV Canada.
- Lighting of Antenna Systems is prohibited unless required by NAV Canada. Proof of this requirement shall be provided to the City by the Proponent.
- Telecommunication towers will accommodate only telecommunication antennas. Only identification or information signs or other material directly related to the identification or safe operation of this equipment will be permitted on the tower. A small plaque must be placed at the base of the structure (or at the main entrance to the site where the site is not accessible under normal circumstances), identifying the owner/operator of the structure and a contact telephone number. No third party advertising, or advertising or promotion of the Proponent or the Proponent's services shall be permitted. In certain circumstances, third party advertising as a form of stealth design may be permitted by the City, dependent on the location of the proposed telecommunication tower and the context of the site and surrounding area (e.g. stealth tripole design with Canada's Wonderland logo and colours that match surrounding area, as shown below).



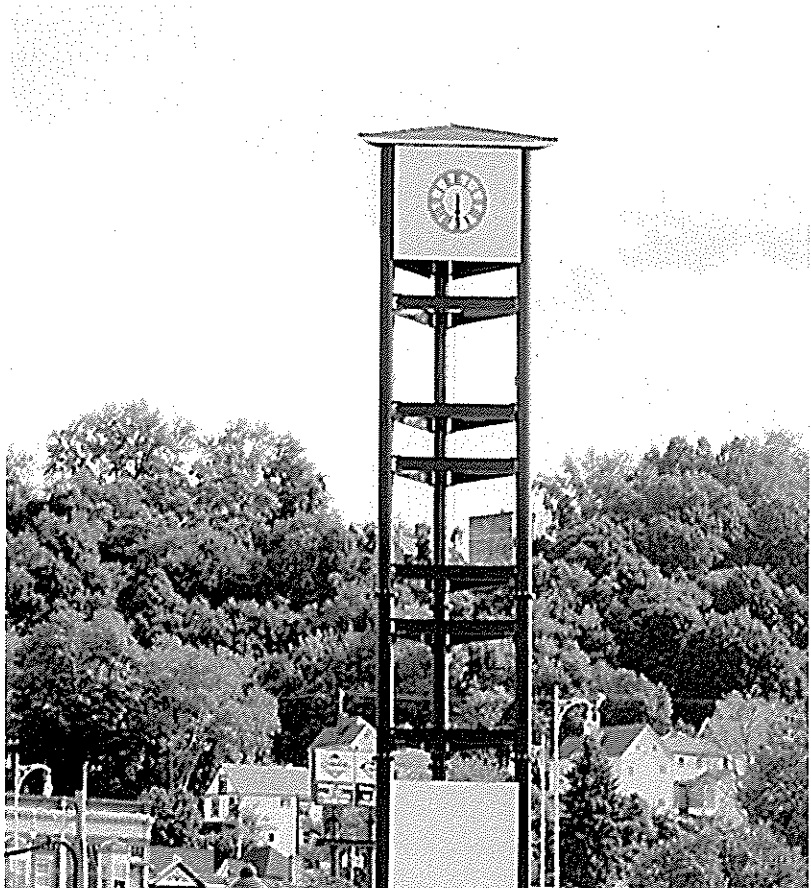
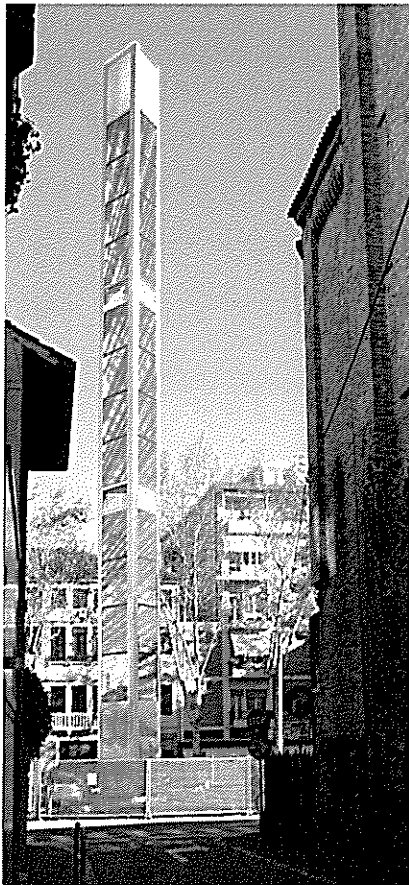
3. Design Guidelines for Freestanding Antenna Systems within Residential Zones or other Sensitive Lands

A new freestanding Antenna System which must be located within 200 metres of a Residential Zone or elementary or secondary school or other sensitive lands for reasons of engineering or network objectives, to consider a monopole or tripole design with stealth design techniques, as described below.

- A new Antenna System, which must be located within prominent vistas in regional and district parks or natural open spaces and is highly visible from the public realm to consider stealth design techniques, as described below.
- If stealth design techniques are employed in the design of a new Antenna System, co-location capacity will not be required.

4. Stealth Design

- Where appropriate, a telecommunication tower can be designed using stealth design techniques such as camouflaging towers as a landmark feature to punctuate the urban landscape to resemble features found in the area, including but not limited to a flagpole, clock tower, church steeples, chimneys, etc.

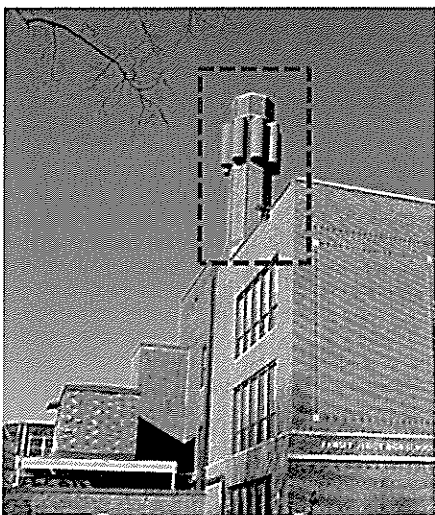


- Within prominent vistas in regional and district parks or natural open spaces with high visibility from the public realm, a freestanding Antenna System can be designed to resemble open space features such as the tree concealment technique.



6.3 Design Guidelines for Building/Structure-Mounted Antenna Systems (ie. roof-top)

- Antenna Systems that are attached to existing buildings, including rooftop installations, should be screened and/or designed to complement the architecture of the building with respect to form, materials and colour.
- Where equipment shelters are on roofs of buildings, they are encouraged to maintain a setback of a minimum of 3.0 metres to the roof edge and to a maximum height of 4.0 metres.
- Where telecommunication towers are proposed to be located on roofs of buildings they will be encouraged to be a maximum of 5 metres in height from roof level and set-back a minimum of 5.0 metres from the roof edge.



7.0 Consultation Processes with the City of Vaughan

Consultation is one of the most important elements in the Antenna System siting process and shall occur at a point before the Proponent is committed to a site or a design. Consultation allows for dialogue towards a confirmation of the antenna system location and design, thereby allowing the Proponent to commit to a site and finalize the detailed engineering. While a discussion of submission requirements is appropriate, the proposal will benefit most from early direction on matters of siting and design.

Proponents are strongly encouraged to initiate consultation as early as possible in the Antenna System siting process for exempt and non-exempt structures.

Prior to submitting an Antenna System proposal, including for Freestanding Antenna Systems or additions to Freestanding Antenna Systems as may be required under Section 4, the Proponent will undertake the following preliminary consultations with the City of Vaughan:

7.1 General Consultation with the Vaughan Development Planning Department prior to securing a Site (Pre-lease)

The City will consult with Antenna System Proponents on opportunities to promote unobtrusive siting using the Official Plan policies, Secondary Plans for new communities, the site plan process including for new mid-rise and high-rise developments, and the Block Plan process.

Wireless carriers are required to engage with the City of Vaughan's Development Planning Department annually, at a minimum, in order to review upcoming City-wide network site requirements before commencing site acquisition activities.

7.2 Specific Consultation with the Vaughan Real Estate Department for the use of City-Owned Lands (Pre-lease review)

In accordance with Section 5 of this Protocol, Proponents are encouraged to consider the use of City-owned lands and/or facilities where feasible for the siting of Antenna Systems. For Proponents who wish to locate Antenna Systems on City-owned lands, the following process applies:

1. The Proponent makes a request to the Office of the City Solicitor (Real Estate Department). The Proponent is to provide details of their selected location(s). Note: The Vaughan Real Estate Department does not maintain an inventory of potential City owned sites. Each site is reviewed on a case-by-case basis.
2. The Proponent is asked if any other co-location sites are available.
3. An Application and Administration Fee (as per By-law 200-2015, or the by-law in effect at the time of payment) is required from the Proponent, as per Section 8.3.1 of this Protocol.
4. The request is circulated to internal City Departments for comments based on the location of the proposed Antenna System and the City Departments affected. However, at a minimum, the Real Estate Department shall circulate the request to the Vaughan Development Planning,

Environmental Services, and Development Engineering and Infrastructure Planning Departments. Typically, additional circulated departments include Parks Development and Parks Operations.

5. Comments received from the circulated City Departments are reviewed and discussed with the Proponent.
6. If the Proponent can demonstrate that the concerns or comments can be addressed, a report is prepared for consideration by Vaughan Council for the proposed location only.
7. If Vaughan Council approves the request, the Proponent is required to enter into the standard Site Development application process as per Sections 7 and 8 of this Protocol (i.e. conduct a Pre-Application Consultation meeting with the Vaughan Development Planning Department and submit a Site Development Application) to demonstrate the appropriateness of the Antenna System through the siting process to confirm concurrence of the proposed project on the City lands, which may include a public consultation process. The Site Development application process is to demonstrate concurrence of the proposal only from Council, and if supported, will trigger the Proponent to enter into a formal lease agreement with the City.

7.3 Pre-Application Consultation (PAC) Requirements

As discussed in Section 7.1, the Vaughan Development Planning Department will host consultation meetings with Proponents at the time a Telecommunication Facility Proponent begins its site search for a site. Once the Proponent has found a site, a subsequent meeting is held, known as Pre-Application Consultation (PAC). Requests for a formal consultation must be made by the Proponent at least 7 working days prior to the Pre-Application Consultation meeting by submitting the following:

1. The Pre-Application Consultation (PAC) fee payable in accordance with By-law 202-2015 (or the by-law in effect at the time of payment);
2. The location of the proposed Antenna System, including the address and location on the lot or structure;
3. Setbacks from the nearest residential zone; and,
4. A description of the proposed Antenna System, its objective, applicable planning policies, search area and candidate sites if available, and, if applicable, how the facility meets any of the exclusion criteria under Section 4 of this Protocol.

Any Application for a non-exempted Antenna System will require the submission of a complete application to be determined by the Vaughan Development Planning Department through the Pre-Application Consultation process. City staff shall identify the final submission requirements through the Pre-Application Consultation process, including any additional items that may be required.

8.0 Application Submission and Process

For a proposed Antenna System, except for cases in which City consultation is not required or requested as per Section 4, the Proponent will submit to the Vaughan Development Planning Department a complete application for an Antenna System siting proposal and the applicable fee.

8.1 Proposal Submission Requirements

The following, at a minimum, are part of the Complete Application Requirements:

1. At the time of submission of the site development application, the Proponent shall append a justification report, which will chronicle the network requirements in the context of the Protocol for the proposed new Antenna System. The report shall include the following information to support the application:
 - a) Written description of the engineering rationale for the proposed Antenna System installation;
 - b) Technical coverage and/or capacity plots (mapping) showing the current compromised network state, and desired end state;
 - c) Written description of the geographical area to be serviced by the proposed Antenna System installation;
 - d) Address the written description of the Antenna System site being proposed;
 - e) Survey plan showing the layout of the proposed Antenna System and ancillary equipment;
 - f) Brief description of type of Antenna System being proposed;
 - g) Identification of any and all existing infrastructure(s) within the required coverage/capacity area. Its' assessed suitability for co-location and reason(s) for disqualification;
 - h) Notes from pre-application consultation meetings;
 - i) Where the proposal does not meet a preference expressed in the protocol and explanation;
 - j) A coloured photo simulation of the proposed Antenna System within the context of the surrounding area, from a minimum of two angles as determined by the Vaughan Development Planning Department.
2. The justification report shall be appended to the staff report to be considered by Vaughan Council, which shall accompany the application for final decision.
3. Survey plans shall be prepared to appropriate metric scale showing:
 - a) The location of existing lot lines, buildings and structures, and setbacks from those from the proposed facility;
 - b) Setbacks from the nearest building used for low rise residential land use, measured from the nearest point of the building, structure, or feature, if applicable;
 - c) Measurement of the subject lot to sensitive lands, if applicable;
 - d) Existing and proposed landscaping;
 - e) Key Plan showing the structure type, colours, height, and materials proposed to be used for all structural elements;
 - f) Proposed access to the facility, including any motor vehicle parking spaces, if applicable.
4. The Proponent is required to provide a written attestation that the proposed Antenna System will comply with Health Canada's Safety Code 6 on a cumulative and ongoing basis.

5. Where the Proponent is unable to comply with the City's siting preferences as discussed in Section 5 of this Protocol, the application must include a justification explaining the rationale for the Proponent's siting decision.
6. Where co-location is appropriate, Proponents are required to submit a Co-location Invitation Form, or similar evidence that the telecommunication industry has been consulted with respect to co-location opportunities.

8.2 Complete Application

1. An application will not be accepted if it does not completely meet the submission requirements identified in the Pre-Application Consultation meeting.
2. The City of Vaughan shall consider the date a complete application was received as the official commencement of the Site Development application review process. The City shall have 60 days to provide comments to the Proponent on the first, original submission, and 120 days to complete the consultation process from the date the complete Site Development application is submitted.
3. If the City of Vaughan submits a request to the Proponent for additional information prior to the City deeming the application complete and no additional information is supplied within 60 days, the City shall advise ISEDC of the incomplete status of the application and request that ISEDC not issue any decision prior to the City issuing the Statement of Concurrence/Non-Concurrence.

8.3 Fees

1. When a Proponent submits a request to lease City-owned lands, the Office of the City Solicitor, Real Estate Department, charges an Administration Fee (as per By-law 200-2015 or the by-law in effect at the time of payment). The fee is used towards the commencement of the circulation process, as described in Section 7 of this Protocol.
2. The Proponent must pay the applicable base fee for a Site Development Application in accordance with the Tariff of Fees By-law for Vaughan Planning Applications (By-law 202-2015 or the by-law in effect at the time the application is submitted to the City). This fee is in addition to any other fees that may be required from other approval authorities. The Proponent also incurs any costs associated with public consultation.
3. Through City review, if the application merits the installation of additional landscaping to screen a proposed Antenna System (ie. equipment cabinet or roof-top antenna) this is done at the Proponent's cost, and the Vaughan Development Planning Department secures these costs to ensure the installation of the said landscaping or screening is implemented through a standard Letter of Credit submitted by the Proponent, through the process identified in City of Vaughan's Site Plan Control By-law 123-2013 (as may be amended from time to time).
4. Further, the Property Tax and Assessment Division has advised that there is an increase in property taxes for lands maintaining Antenna Systems due to the increase of the assessment value to the lands where the Antenna Systems are installed. The impact to the taxes varies depending on the size of the tower. Finally, the classification/tax rate of the Antenna System will fall into the Commercial tax class, even if the tower is installed on Residential or Agricultural lands.

8.4 Application Processing (Site Development Application)

1. The timeline (120 days) and process for the disposition of written correspondence shall be as per the ISEDC process outlined in Section 4 of CPC-2-0-03.
2. The City shall have 60 days to provide comments to the Proponent on the first, original submission, and 120 days to complete the consultation process from the date the complete Site Development application is submitted.
3. Any proposals for a non-exempted Antenna System will require the submission of a complete application to be determined by the Vaughan Development Planning Department through the Pre-Application Consultation process.

The City or Proponent may request an extension to the consultation process timeline. This extension must be mutually agreed upon by both parties.

8.5 Dispute Resolution

The City of Vaughan's Dispute Resolution is as follows:

ISEDC generally favours a process whereby the Proponent, the local public and the Land Use Authority work toward a solution which takes into consideration each other's interests.

1. In the normal course, the Director of Development Planning or his/her designate would be given authority to concur with applications which meet the requirements of this Protocol.
2. Where it appears to the Director that concurrence will not be granted, the Proponent will be invited to meet with the Director of Development Planning to discuss reasonable alternatives, and to amend its application to address the issues identified. Where these discussions do not lead to concurrence with the proposal, the Director of Development Planning will forward a report to the next available Committee of the Whole detailing the reasons for the pending non-concurrence decision. The Proponent will be permitted to make oral or written submissions as may be appropriate. Committee/Council will ultimately decide concurrence or non-concurrence with the proposal.
3. At the option of the Proponent, once a notice of non-concurrence has been received, ISEDC may be asked to intervene and grant authority to approve the proposed Antenna System in accordance with ISEDC's impasse process set out in CPC-2-0-03.

8.6 Concurrence or Non-Concurrence

1. In the event of concurrence (by Council or the Director of Development Planning as identified in Section 4), the City shall prepare a Letter of Concurrence that includes a 3-year requirement for a re-consultation.
2. That if an Antenna System is not installed within 3 years after the municipal concurrence and the Proponent wishes to proceed with installation, the Proponent is required to recommence the municipal consultation process. Notwithstanding the above, the Proponent may request in writing to the Director of Development Planning an extension not exceeding one year in length provided that it is demonstrated to the satisfaction of the Director of Development Planning that no substantial

change in land use planning circumstances within the vicinity of the proposal has occurred since concurrence was initially given. One additional one year extension may be given by the Director of Development Planning after the original one year extension, for a maximum of 5 years after municipal concurrence.

3. Copies of the Letter of Concurrence, with or without conditions, or Letter of Non-Concurrence (with reasons), shall be sent by the Vaughan Development Planning Department directly to ISEDC with copies sent to the following individuals:
 - The Proponent;
 - Office of the City Clerk, City of Vaughan;
 - The Mayor and Members of Council; and,
 - Any individual requesting a copy from the City.

The Letter of Concurrence or Letter of Non-Concurrence shall include a statement that consultation has been completed as per the Protocol.

4. The City (through the Director of Development Planning) shall issue the Letter of Concurrence or Non-Concurrence within the timeframe established in Section 8. Please refer to Appendices for examples.
5. The City (through the Director of Development Planning) may rescind its concurrence if, following the issuance of the Letter of Concurrence, it is determined by the City that the proposal contains a misrepresentation or a failure to disclose all the pertinent information regarding the application, proposal, or the plans and conditions upon which the Letter of Concurrence was issued in writing have not been complied with and a resolution cannot be reached to correct the issue.

In such cases, the City (through the Director of Development Planning) will provide notification in writing to the Proponent and to ISEDC and will include the reason(s) for the rescinding of its Letter of Concurrence.

6. Once a Letter of Concurrence has been issued, that concurrence may be transferred from the original Proponent to another Proponent (the current Proponent) without the need for further consultation provided that:
 - a) All information gathered by the original Proponent in support of obtaining the concurrence from the City is transferred to the current Proponent;
 - b) The Antenna System for which the Letter of Concurrence was issued to the original Proponent is what the current Proponent builds; and,
 - c) Construction of the Antenna System is commenced within the 3 year period of the date of Council approval.

9.0 Public Consultation

If the proposed Antenna System is not exempt from the public consultation process as per the requirements in Section 4, the Proponent will initiate the following public consultation process, including issuing notice, undertaking written consultation, hosting a public information session (where required) and reviewing the consultation results with the City.

9.1 Issuing Notice

After the Proponent has submitted an application, the Proponent will give notice to the following:

- a) All affected residential properties within the prescribed distance, as discussed in Section 9.2;
- b) All affected Ratepayer Groups within the prescribed distance;
- c) The Mayor, Regional Councillors and Local Councillor for the area; and,
- d) ISEDC regional office.

9.2 Prescribed Distance for Notification

The City will assist the Proponent in compiling a mailing list of addresses (subject to a fee in accordance with Fee By-law in effect at the time of payment and as determined by the Office of the City Clerk) of the affected landowners within the following prescribed distance from the proposed Antenna System:

- a) 150 metres within urban areas, or three times the height of the Antenna System (ie. tower), whichever is greater; or
- b) 250 metres within rural areas, or three times the height of the Antenna System, whichever is greater.

This distance shall be measured outward from the furthest point of the Antenna Systems' supporting mechanism (ie. outermost structure edge). All properties within this distance shall be included on the mailing list.

9.3 Notice Requirements

The Proponent will be required to prepare and distribute the notification package a minimum of 30 days prior to the public information session. The notification package shall include the following items:

- a) Date, time and location (including a key map) of the public information session;
- b) Description of and rationale for the proposed Antenna System. This will include information on the location, height, type, design and colour of the proposed Antenna System, including a letter size (8"x11") copy of the site plan submitted with the application;
- c) The rationale, including height and location requirements, of the proposed Antenna System;
- d) The name and contact information of a contact person for the Proponent;
- e) *Reference the City of Vaughan's Telecommunication Facilities Siting Protocol, and the contact information of the City Planner handling the File;*
- f) The project's status under the Canadian Environmental Assessment Act;
- g) An attestation that the Antenna System will respect Health Canada's Safety Code 6 which sets safe radiofrequency emission levels for devices;
- h) Information (name, email address, phone number) on how to submit comments to the Proponent and the closing date for submission or written public comments (which shall be not less than 30 days from the receipt of notification);
- i) The notification package shall be sent out in an envelope addressed to the "Occupant" and shall clearly show in bold type on the face of the envelope the following statement:

"NOTICE FOR RESIDENTS WITHIN (INSERT PRESCRIBED DISTANCE) OF A NEW PROPOSED CELL TOWER/STRUCTURE-MOUNTED ANTENNA SYSTEM, INFORMATION IS ENCLOSED."

- j) The Proponent shall erect one notice sign along each lot line abutting a public street for any telecommunication facility. All notice signs shall be designed and erected on the lot so that they are clearly visible and legible from all public streets abutting the subject lot; and,
- k) Newspaper Notice: Additionally, the Proponent shall place a Public Notice in the local print media. Publication of this Public Notice shall be synchronized with the distribution of the public notification package.

9.4 Notice Requirements for Antenna Systems 50 m or less from a Residential Area and 15 m or less in height

The Proponent will be required to prepare and distribute the notification package no later than 30 days after the Vaughan Development Planning Department has received a complete application for an Antenna System siting proposal. Discretion will be given for the need of a Public Information Session as described in Section 9.5 based on the comments received through the public notification process. The notification package shall include the following items:

- a) Description of and rationale for the proposed Antenna System. This will include information on the location, height, type, design and colour of the proposed Antenna System, including a letter size (8"x11") copy of the site plan submitted with the application;
- b) The rationale, including height and location requirements, of the proposed Antenna System;
- c) The name and contact information of a contact person for the Proponent;
- d) Reference the City of Vaughan's Telecommunication Facilities Siting Protocol, and the contact information of the City Planner handling the File;
- e) The project's status under the Canadian Environmental Assessment Act;
- f) An attestation that the Antenna System will respect Health Canada's Safety Code 6 which sets safe radiofrequency emission levels for devices;
- g) Information (name, email address, phone number) on how to submit comments to the Proponent and the closing date for submission or written public comments (which shall be not less than 30 days from the receipt of notification); and,
- h) The notification package shall be sent out in an envelope addressed to the "Occupant" and shall clearly show in bold type on the face of the envelope the following statement:

"NOTICE FOR RESIDENTS WITHIN (INSERT PRESCRIBED DISTANCE) OF A NEW PROPOSED CELL TOWER/STRUCTURE-MOUNTED ANTENNA SYSTEM, INFORMATION IS ENCLOSED."

9.5 Hosting a Public Information Session (or Public Open House)

A Public Information Session shall be required for all non-exempted facilities and shall be open and accessible to all members of the public and local stakeholders.

The Proponent shall choose a location for the Public Information Session that is as close to the proposed Antenna System as possible. If the Proponent is not able to secure a location for the Public Information Session within a maximum distance of 5 km from the location of the proposed Antenna System, the Proponent shall confirm the location of the Public Information Session with the Vaughan Development Planning Department.

The Public Information Session will be convened and facilitated by the Proponent. The format of the event is at the discretion of the Proponent.

The Proponent is responsible to inform all attendees on the applicant's process and the City's responsibilities within the application process.

9.6 Post Public Consultation Package

The Proponent will provide a package summarizing the results of the public consultation to the Vaughan Development Planning Department (City Planner) containing, at minimum, the following information:

- a) A summary of the public information session including the list of attendees, and contact information;
- b) An affidavit that the Notification Package was distributed to all required recipients;
- c) Copies of all letters and other written communications received on or before the last day for comments associated with the application;
- d) Copies of any follow-up responses received from the public; and,
- e) A letter of response from the Proponent outlining how all the concerns and issues raised by the public were addressed.

9.7 Post Consultation Review

The City Planner and the Proponent will communicate following completion of the public consultation process and arrange a meeting at the City's request, to discuss the results and next steps in the process.

10.0 Appendices

10.1 Template - Letter of Concurrence/(Non-Concurrence) to Proponent and ISEDC File No: DA.XX.XXX

DATE

Proponent
Proponent Address

Dear Proponent's Agent

RE: Letter of Concurrence (or Non-Concurrence)
Proposed Telecommunication Facility
ADDRESS (Proponent)

The City of Vaughan has completed its review of Proponent's proposed Antenna System to be located at Address, as submitted by Agent.

1. The City wishes to advise Agent, Proponent, and ISEDC that the City objects to the proposed Antenna System as it does not comply with the City's Protocol for Siting Radiocommunication Facilities. In reviewing the application, staff note that the proposed Antenna System does not comply with the following sections of the City's review protocol:

x.x.x *Insert text of relevant protocol sections here*

- **OR** -

2. The City has reviewed the proposed Antenna System and granted concurrence by Council or Director of Development Planning on Date, and confirms the following:
 - a) Proponent has satisfactorily completed its consultation with the City of Vaughan;
 - b) The City of Vaughan is satisfied with Proponent's public consultation process and does not require any further consultation with the public; and
 - c) That the City of Vaughan concurs with Proponent's proposal to construct an Antenna System provided it is constructed substantially in accordance with the plans submitted to it and described as Tower Description.

You can review the staff report (Item # and Council Date if applicable) for further explanations and details. If you have any questions, please contact me directly, or the City Planner (Name) at Extension #.

Sincerely,

GRANT UYEYAMA,
DIRECTOR OF DEVELOPMENT PLANNING

Copy to: Office of the City Clerk, City of Vaughan
Vaughan Mayor & Members of Council
Deputy City Manager, Planning and Growth Management
Any Affected Deputy City Managers
Any individual requesting copy from the City

10.2 Template - Telecommunication Tower Co-location Invitation Form

_____ (Proponent) has contacted the below listed Telecommunication Companies with invitations to co-locate on the proposed telecommunication tower located at _____. The companies, dates contacted, contact methods, and responses are listed below:

Company contacted	Contact date	Contact method	Response

If any companies expressed an interest in co-location, please attach information on what is required to accommodate additional antennas on the tower, or include in the telecommunication facility justification report.

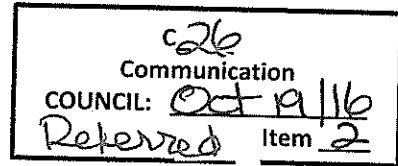
I, _____ (Proponent Agent), attest that the listed companies received invitations for co-location on the proposed telecommunication facility, and that the responses are captured here.

Print Name & Signature

Date

THOMSON ROGERS

LAWYERS



Stephen J. D'Agostino
416-868-3126
sdagostino@thomsonrogers.com

SENT BY E-MAIL

October 18, 2016

Mayor and Members of Council
City of Vaughan
2141 Major Mackenzie Drive
Vaughan, Ontario
L6A 1T1

Dear Sirs/Mesdames:

Council Meeting - October 19, 2016
City of Vaughan - Telecommunication Facility Siting Protocol
Comments Concerning City of Vaughan
Policy Relating to Telecommunication Facilities
Our File No. 050739

We are the solicitors for Bell, TELUS and Rogers Communications (the "Wireless Carriers") in connection with the City of Vaughan's ("Vaughan") Telecommunication Facilities Siting Protocol ("Protocol"). We are writing to you further to our correspondence of September 6, 2016, our deputation to Committee of the Whole on September 7 and our meetings with your Planning Staff since that time.

At the outset, and on behalf of the Wireless Carriers, we wish to thank Council and its Planning staff for allowing us to continue the dialogue related to our issues of concern. While the revised Protocol addresses many of our issues, we remain concerned with the manner in which the Protocol deals with the Department of Innovation, Science and Economic Development Canada's ("ISED") mandatory exclusions as they relate to the reconstruction of towers and new requirements for towers proposed in New Community Areas which are not yet the subject of Block Plans. We trust the comments which follow are of benefit to Council's deliberations.

THOMSON
ROGERS



Block Plan Coordination

Council may recall from our earlier deputation that the Task Force considered the circumstance where Antenna Systems are developed in rural areas before block planning has occurred. The Task Force recommended that staff be directed to consult with telecommunication facility proponents and report back to Council on opportunities to promote unobtrusive siting using the Block Plan process. Staff responded to that recommendation with Protocol policy 5.3.

The Wireless Carriers are concerned that Protocol policy 5.3 will have the unintended result of shifting the cost of relocation onto the Wireless Carrier in circumstances where the financial benefit of relocation is enjoyed by another party. Such a result would be unfair. No other land use in Vaughan is the subject of such a harsh requirement.

During our discussions with Planning staff the Wireless Carriers agreed that they would agree to relocate their towers approved in the New Community Areas in advance of the approval of Block Plans provided preconditions were met to ensure they were not prejudiced including that:

- a. Municipal Concurrence has been granted, a lease/license secured for the replacement Antenna System, and the new replacement Antenna System is built and in service in order to ensure that service is not disrupted in the affected area;
- b. Reasonable commercial terms are in place to reimburse the owner of the Antenna System for the costs associated with the relocation in recognition of the fact that the costs associated with relocating an antenna system is significant. Given the nature of the New Community Areas we believe that relocation will likely be triggered by the local land owners cost sharing group's requirements. If that is the case then the cost sharing group ought to be responsible for the costs of relocation consistent with the principal that the entity benefitting should pay for the relocation; and,
- c. The owner of the Antenna System has determined that the replacement site is technically acceptable in order to ensure no network degradation.

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It was our submission to Planning Staff that Policy 5.3 Subsection (1) ought to contain a third criteria for the condition of concurrence which reads:

“Reasonable commercial terms are in place to reimburse the owner of the Antenna System for the costs associated with the relocation;”

We believe that our addition to the policy meets Vaughan’s objectives while ensuring no undue prejudice to the owner of the Antenna System.

Please note that Policy 5.3 anticipates two alternate processes. In New Community Areas municipal concurrence for a new antenna system located in an area without an approved Block Plan would be subject to conditions of concurrence dictating how and when relocation would occur. Our proposed language would be part of that process and is necessary because it anticipates a circumstance where no pre-existing financial arrangement is in place as a result of a lease or other agreement.

The second process accommodates a circumstance where the Wireless Carrier’s landlord has required a relocation clause in the lease. Relocation clauses are rare. However, when they occur we believe it is reasonable for the protocol to defer to the financial arrangements made between the Wireless Carrier and the private landowner.

We request that Council add to policy 5.3 Subsection (1) the aforementioned language requiring reasonable financial terms as preconditions to relocation.

ISED’s Exclusion Related to Tower Reconstruction

The municipal consultation process governing the siting of Antenna Systems is set out in ISED’s regulatory document CPC-2-0-03 (“CPC”). Compliance with the CPC is a condition of the Carriers’ licenses and overrules municipal protocols.

While the ordinary rule is that proponents of Antenna Systems consult with both the local municipality and the nearby affected public, the CPC contains a number of exclusions that permit construction without consultation or municipal concurrence in recognition that they have little or no land use impact. One of those exclusions permits proponents to replace an

THOMSON
ROGERS

80 years

existing tower with one that is similar to the original design and location. An extract of the relevant portion of the CPC can be found at Schedule 1 with emphasis added.

In our discussions with Planning staff we identified that while the Protocol purports to carry forward the ISEDC exclusions, it does not carry forward the exclusion for replacement of an existing tower. Rather, it appears that the draft Protocol has relied on a Task Force recommendation which was based on an earlier version of the CPC. As a result, the Protocol is out of step with ISEDC's requirement and does not recognise replacement towers.

In our view the tower replacement exclusion is important in the context of Vaughan for two reasons. First and foremost the Protocol directs proponents to consider co-location on an existing tower as a priority. Co-location often requires that the structural integrity of the existing antenna support system be improved. Over time, as infrastructure is added, an antenna structure will no longer be able to be reinforced and will instead have to be replaced. Requiring a proponent to undertake a municipal consultation process to comply with the City's preference for co-location would amount to a significant disincentive to do so. This is particularly true when there is no additional land use impact.

Second, wireless technology has been available in Canada since the early 1980s. Some of the original towers are now reaching the end of their useful service life and should be replaced. It would be unfair for a proponent to have to consult with the municipality in such a circumstance.

We request that Council direct staff to replace the current language related to exclusions for existing antenna systems with the exclusion for existing antenna systems found in the current CPC in order to bring it into compliance with ISEDC's requirements.

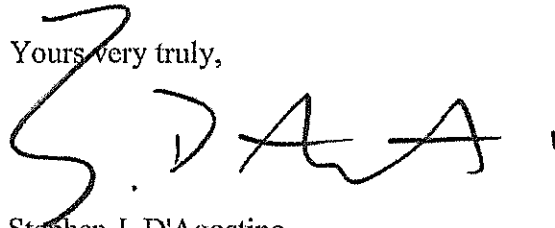
Conclusion

We trust that these comments are useful in Council's deliberations leading to a protocol that meets the need of all stakeholders. To that end, the Wireless Carriers are committed to working with your Planning Staff in order to clarify these comments and answer questions as required.

THOMSON
ROGERS



Yours very truly,

A handwritten signature in black ink, appearing to read "S. D'Agostino". The signature is fluid and cursive, with a large initial "S" and a distinct "D'Agostino" following.

Stephen J. D'Agostino

Stephen Joseph D'Agostino Law Professional Corporation

SJD/aph

cc: Clients

Schedule 1**6. Exclusions**

All proponents must satisfy the General Requirements outlined in Section 7 regardless of whether an exclusion applies to their proposal. All proponents must also consult the land-use authority and the public unless a proposal is specifically excluded. Individual circumstances vary with each antenna system installation and modification, and the exclusion criteria below should be applied in consideration of local circumstances. Consequently, it may be prudent for the proponent to consult even though the proposal meets an exclusion noted below. Therefore, when applying the criteria for exclusion, proponents should consider such things as:

- the antenna system's physical dimensions, including the antenna, mast, and tower, compared to the local surroundings;
- the location of the proposed antenna system on the property and its proximity to neighbouring residents;
- the likelihood of an area being a community-sensitive location; and
- Transport Canada's marking and lighting requirements for the proposed structure.

The following proposals are excluded from land-use authority and public consultation requirements:

- New Antenna Systems: where the height is less than 15 metres above ground level. This exclusion does not apply to antenna systems proposed by telecommunications carriers, broadcasting undertakings or third party tower owners;
- Existing Antenna Systems: where modifications are made, antennas added or the tower replaced Footnote 10, including to facilitate sharing, provided that the total cumulative height increase is no greater than 25% of the height of the initial antenna system installation Footnote 11. No increase in height may occur within one year of completion of the initial construction. This exclusion does not apply to antenna systems using purpose built antenna supporting structures with a height of less than 15 metres above ground level operated by telecommunications carriers, broadcasting undertakings or third party tower owners;

- Non-Tower Structures: antennas on buildings, water towers, lamp posts, etc. may be excluded from consultation provided that the height above ground of the non-tower structure, exclusive of appurtenances, is not increased by more than 25% Footnote 12 and
- Temporary Antenna Systems: used for special events or emergency operations and must be removed within three months of the start of the emergency or special event.
- No consultation is required prior to performing maintenance on an existing antenna system.

**CITY OF VAUGHAN - TELECOMMUNICATION FACILITY SITING PROTOCOL
(TELECOMMUNICATION ANTENNA SYSTEMS THAT INCLUDE FREE-STANDING
TOWERS AND BUILDING/STRUCTURE MOUNTED ANTENNAS)**

ALL WARDS - CITY WIDE

(Referred)

Council, at its meeting of September 20, 2016, adopted the following recommendation (Committee of the Whole Report No. 31, Item 2):

By approving the following in accordance with Communication C11, from the Director of Development Planning, dated September 19, 2016:

1. That consideration of Item #2, Report #31 of the Vaughan Committee of the Whole (City of Vaughan – Telecommunication Facility Siting Protocol) be deferred to the Council meeting of October 19, 2016, to allow further consultation between the Development Planning Department and the wireless carriers to address outstanding matters related to the letter received by the City Clerk's office on September 7, 2016 from Stephen J. D'Agostino, Thomson Rogers Lawyers.

Committee of the Whole recommendation of September 7, 2016:

The Committee of the Whole recommends:

- 1) That consideration of this matter be deferred to the Council meeting of September 20, 2016, to allow further consultation; and
- 2) That the deputation of Mr. Stephen D'Agostino, Thomson Rogers, Bay Street, Toronto, and Communication C13, dated September 6, 2016, be received.

Report of the Deputy City Manager, Planning and Growth Management, Director of Development Planning, Senior Managers of Development Planning, and Manager of Urban Design, dated September 7, 2016

Recommendation

The Deputy City Manager, Planning and Growth Management, Director of Development Planning, Senior Managers of Development Planning, and Manager of Urban Design recommend:

1. THAT the City of Vaughan Telecommunication Facility Siting Protocol as shown on Attachment #1, BE APPROVED.

Contribution to Sustainability

The application implements the following Goal and Objective of Green Directions Vaughan:

Goal 4: to create a vibrant community where citizens, businesses and visitors thrive

- Objective 4.2: Ensure that the City of Vaughan attracts businesses and investment that will result in well-paying jobs for Vaughan citizens, a sustainable tax base and continuing prosperity into the 21st century

Economic Impact

There are no requirements for new funding associated with this report.

Communications Plan

On August 17, 2016, Vaughan Development Planning staff notified the members of the Telecommunication Facility Siting Protocol Task Force ("Task Force") and known telecommunications industry professionals of this report proceeding to the September 7, 2016 meeting of the Committee of the Whole. Vaughan Council's decision in this matter, and a copy of the staff report, will be communicated to the Task Force members. The final Protocol, should it be approved by Council, will be made available on the City's website, and to known telecommunications companies that the City regularly works with.

Purpose

To seek approval from the Committee of the Whole on the City of Vaughan Telecommunication Facility Siting Protocol shown on Attachment #1. This protocol updates the current protocol currently in effect for siting telecommunication facilities in the City of Vaughan (June 23, 2003), and is informed by the Telecommunication Facility Task Force Findings Report, which included 35 recommendations and various definitions and input from the Task Force members, Development Planning Staff, and various City of Vaughan Departments throughout the process.

Background - Analysis and Options

Synopsis:

The Telecommunication Facility Siting Protocol (Attachment #1) updates the City's current Protocol, which dates back to June, 2003. The Protocol reflects the Innovation Science and Economic Development Canada (formerly Industry Canada) current jurisdictional structure Client Procedures Circular (CPC-2-0-03) effective July 15, 2014, and incorporates the 35 recommendations made by the Vaughan Telecommunications Facility Siting Task Force as approved by Vaughan Council on June 24, 2014. The Vaughan Development Planning Department has prepared and supports the new Telecommunication Facility Siting Protocol included in Attachment #1 of this report.

City of Vaughan's Telecommunication Tower/Antenna Siting Protocol

On June 23, 2003, Vaughan Council adopted a protocol for siting and establishing telecommunication tower/antenna facilities. In accordance with the City's Protocol, all siting of new tower/antenna systems (as superseded by Innovation, Science and Economic Development Canada's Protocol (June 2014) (ISED) (formerly called Industry Canada)), require consideration by Vaughan Council.

On June 7, 2011, Vaughan Council resolved to appoint a Telecommunication Facility Siting Task Force ("Task Force") comprised of residents, industry representatives, and two Vaughan Council Members to review the City of Vaughan's existing Protocol for establishing Telecommunication Tower/Antenna Facilities.

On June 7, 2011, Vaughan Council also resolved:

"That Site Development Applications for new telecommunication facilities submitted prior to approval of a new City protocol to be reviewed under the current City of Vaughan protocol for Establishing Telecommunication Tower/Antenna Facilities."

The Task Force developed a comprehensive work plan to formulate a Findings Report with assistance from City staff. The Task Force also consulted with and heard presentations from a variety of sources such as ISEDC, Public Health Ontario, Bell Mobility, Rogers Communications, and telecommunications industry professionals. The Task Force approved the final Findings Report at its meeting on December 17, 2013, and forwarded the Findings Report and the following recommendation to the Committee of the Whole meeting on January 14, 2014, which Vaughan Council adopted on January 28, 2014:

“That the Findings Report be referred to staff for review, and that a report be provided to a future Committee of the Whole Meeting; and,

That the Findings Report form the basis for developing the City of Vaughan’s Telecommunication Facility Siting Protocol.”

City Staff reviewed the Findings Report and provided recommendations through a report from the Commissioner of Planning for consideration by the Committee of the Whole on June 17, 2014. On June 24, 2014, Vaughan Council adopted the following resolution:

“THAT the Vaughan Planning Department be directed to prepare a new City of Vaughan Telecommunication Siting Protocol (“Protocol”), for consideration at a future Committee of the Whole (Working Session) meeting, in early 2015.”

The Protocol shown on Attachment #1, reflects the findings report adopted by Council on June 24, 2014, ISEDC’s Protocol of June 2014, and comments from City of Vaughan departments.

The Protocol is being forwarded directly to the Committee of the Whole rather than to Working Session for consideration and approval as Development Planning staff is of the opinion that the document reflects the Task Force Findings Report, which Council has recommended support of, and therefore, the contents in the final Protocol document are consistent therewith. Additional time to prepare the protocol was required to reflect the new Industry Canada Protocol and to address implementation issues observed in 2015, following release of the protocol through the processing and review of telecommunication facility proposals in Vaughan.

Role and Jurisdiction of Innovation, Science and Economic Development Canada (ISEDC) (formerly called Industry Canada)

The *Radiocommunication Act* designates ISEDC as the approval authority for all matters respecting telecommunication towers and antenna facilities. Federal regulations are not subject to Provincial policies, including the *Planning Act* and *Building Code Act*. Additionally, telecommunication towers and antenna facilities are exempt from municipal zoning by-law requirements and site plan control approval (i.e. no implementing Site Plan Agreement or Letter of Undertaking).

New Protocol

The City of Vaughan Telecommunication Facility Siting Protocol aims to achieve the following objectives:

1. To establish a concise, consolidated protocol for reviewing Antenna System siting proposals within the City of Vaughan.
2. To require active participation by Proponents and municipal stakeholders in locating future Antenna Systems.

3. To ensure the City of Vaughan plays an important role in harmonizing telecommunication network objectives with Vaughan's policies and procedures.
4. To identify site selection criteria and design guidelines which minimize the scale, visual impact and number of Antenna Systems, particularly within or adjacent to sensitive land uses (ie. Residential Zones, Heritage Conservation Districts).
5. To establish a transparent and meaningful consultation and review process that enables effective communication between the Proponent, other industry carriers, the public, the City of Vaughan, Innovation, Science and Economic Development Canada (ISED), formerly called Industry Canada, and other stakeholders or agencies in a timely manner.
6. To promote economic development and competitiveness through supporting effective telecommunication services that meet the needs of Vaughan residents and businesses, and that encourages the most advanced Antenna Systems.
7. To set out an objective process, criteria and guidelines that are transparent, consistent and predictable for the evaluation of Telecommunication Facility Siting proposals that:
 - a) Minimize the number of new antenna system sites by requiring co-location, where feasible;
 - b) Encourage designs that integrate with the surrounding land use and public realm;
 - c) Establish when local public consultation is required; and,
 - d) Allow ISED and the telecommunications industry to identify and resolve any potential land use, siting or design concerns with the City of Vaughan at an early stage in the process.
8. To establish a consultation framework that ensures the City of Vaughan and members of the public contribute local knowledge that facilitates and influences the siting, location, development and design (including aesthetics) of Antenna Systems within the City's boundaries.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

This report supports the following priority set forth in the Term of Council Service Excellence Strategy Map (2014-2018):

- Invest, renew and manage infrastructure and assets
- Attract investment and create jobs

It should be noted that telecommunications underpins and supports work on the City's Digital Strategy, which is currently underway as part of the Service Excellence Program.

Regional Implications

On April 23, 2009, York Region adopted Innovation, Science and Economic Development Canada's Protocol (formerly Industry Canada's Protocol) (CPC-2-0-03) to reduce redundancies

and permit a more efficient and consistent approach for regulating telecommunication facilities, while providing an opportunity for local municipalities to determine individual procedures and protocols.

As the Local Land-Use Authority, the City of Vaughan is exercising its right to determine an appropriate protocol specific to the requirements of the City. The new protocol does not have any implications on York Region.

Conclusion

The City of Vaughan Development Planning Department has developed the new Protocol through the review of the Telecommunications Facility Siting Task Force Findings Report – Staff Review and Response, adopted by Vaughan Council on June 24, 2014, the current jurisdictional structure regarding Telecommunication Antenna Systems in Canada (CPC-2-0-03), and City of Vaughan Official Plan 2010. In consideration of the review undertaken, the Vaughan Development Planning Department recommends approval of the proposed Telecommunication Facility Siting Protocol shown on Attachment #1.

Attachments

1. City of Vaughan Telecommunication Facility Siting Protocol
2. Communication C13 from the Committee of the Whole meeting of September 7, 2016
3. Communication C11 from the Council meeting of September 20, 2016

Report prepared by:

Shahzad Davoudi-Strike, Urban Designer, ext. 8653
Mark Antoine, Planner, ext. 8212
Carmela Marrelli Senior Planner, ext. 8791



City of Vaughan

Telecommunication Facility Siting

Protocol

(Telecommunication Antenna Systems that include Free-standing Towers and
Building/Structure Mounted Antennas)

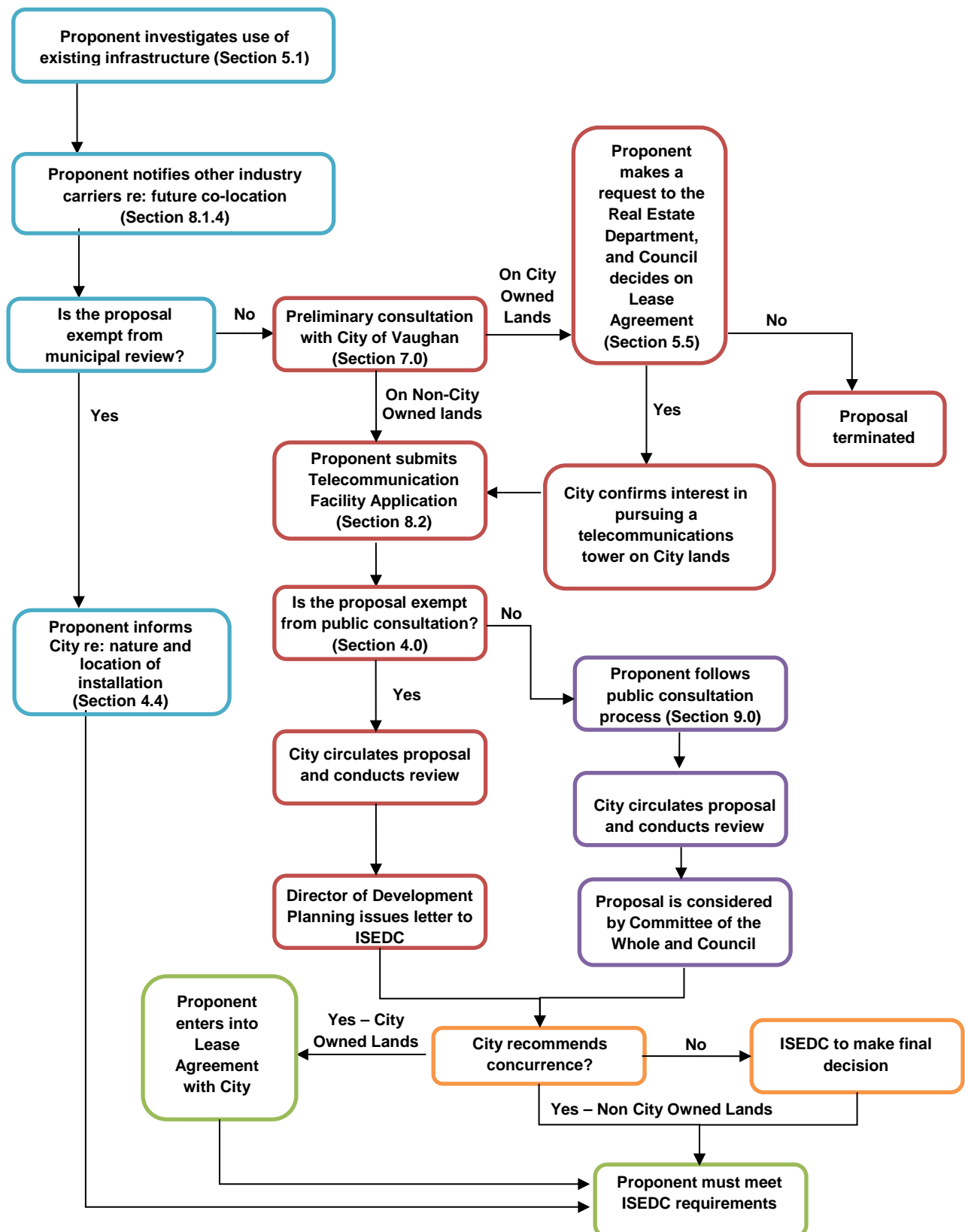
SEPTEMBER 2016

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Process Flowchart

1.0 Background and Objectives

Background

The following document represents the City of Vaughan's Telecommunication Facility Siting Protocol ("Protocol"). The Protocol serves as a guide for Proponents seeking to locate new Telecommunication Facilities ("Antenna Systems" as defined in Section 3) within the City of Vaughan. The Vaughan Development Planning Department, in consultation with other City departments and with consideration of the recommendations of the Telecommunication Facility Siting Protocol Task Force ("Task Force"), developed this protocol. On June 7, 2011, Vaughan Council approved the Terms of Reference and creation of the Task Force. The Task Force included 10 members, comprised of various stakeholders (5 members from the public, 3 industry representatives, and 2 Vaughan Councillors), with technical assistance from the Vaughan Development Planning Department. The Task Force developed a comprehensive work plan in order to achieve the objectives stated above. City staff, primarily from the Vaughan Development Planning Department, attended the Task Force meetings to provide advisory and technical support.

The Task Force formally met 14 times during the period from September 2011 to December 2013. The meetings of the Task Force resulted in the preparation of a Findings Report, with 35 recommendations which was approved by the Task Force on December 17, 2013. The report was forwarded to the Vaughan Committee of the Whole meeting on January 14, 2014, and subsequently to Vaughan Council for consideration. On January 28, 2014, Vaughan Council approved the following recommendation of the Committee of the Whole as recommended by the City Clerk, on behalf of the Task Force:

"THAT the Telecommunication Facility Siting Protocol Task Force Findings and Recommendations Report be referred to staff for review and that a report be provided to a future Committee of the Whole meeting."

On June 17, 2014, the Vaughan Development Planning Department submitted a report commenting on the appropriateness and feasibility of implementing the 35 recommendations in the Task Force Findings Report for consideration by the Vaughan Committee of the Whole, and subsequently to Vaughan Council for consideration. On June 24, 2014, Vaughan Council approved the following recommendation of the Committee of the Whole as recommended by the Vaughan Development Planning Department:

"THAT the Vaughan Development Planning Department be directed to prepare a new City of Vaughan Telecommunication Facility Siting Protocol ("Protocol"), for consideration at a future Committee of the Whole (Working Session) meeting, in early 2015."

Objectives

The City of Vaughan Telecommunication Facility Siting Protocol aims to achieve the following objectives:

1. To establish a concise, consolidated protocol for reviewing Antenna System siting proposals within the City of Vaughan.
2. To require active participation by Proponents and municipal stakeholders in locating future Antenna Systems.
3. To ensure the City of Vaughan plays an important role in harmonizing telecommunication network objectives with Vaughan's policies and procedures.
4. To identify site selection criteria and design guidelines which minimize the scale, visual impact and number of Antenna Systems, particularly within or adjacent to sensitive land uses (ie. Residential Zones, Heritage Conservation Districts).
5. To establish a transparent and meaningful consultation and review process that enables effective communication between the Proponent, other industry carriers, the public, the City of Vaughan, Innovation, Science and Economic Development Canada (ISED), formerly called Industry Canada, and other stakeholders or agencies in a timely manner.
6. To promote economic development and competitiveness through supporting effective telecommunication services that meet the needs of Vaughan residents and businesses, and that encourages the most advanced Antenna Systems.
7. To set out an objective process, criteria and guidelines that are transparent, consistent and predictable for the evaluation of Telecommunication Facility Siting proposals that:
 - a. Minimize the number of new Antenna System sites by requiring co-location, where feasible;
 - b. Encourage designs that integrate with the surrounding land use and public realm;
 - c. Establish when local public consultation is required; and,
 - d. Allow ISED and the telecommunications industry to identify and resolve any potential land use, siting or design concerns with the City of Vaughan at an early stage in the process.
8. To establish a consultation framework that ensures the City of Vaughan and members of the public contribute local knowledge that facilitates and influences the siting, location, development and design (including aesthetics) of Antenna Systems within the City's boundaries.

2.0 Jurisdiction and Roles

2.1 Role of Innovation, Science and Economic Development Canada (ISED) formerly called Industry Canada

The approval authority for Telecommunication Antenna Systems is ISED, which is a federal agency governed by the *Radiocommunication Act*. In its ongoing role to regulate Antenna Systems, ISED has released documentation in the form of a Client Procedures Circular (CPC-2-0-03) titled “Radiocommunication and Broadcasting Antenna Systems (Formerly CPC-2-0-03 Environmental Process, Radiofrequency Fields and Land-Use Consultation)”, which is a procedural outline to assist Proponents and land use authorities in the processing and implementation of radiocommunication and broadcasting Antenna Systems. This document outlines requirements that must be followed when installing a new or modifying an existing Antenna System. In June 2014, ISED issued an update to its Radiocommunication and Broadcasting Antenna Systems Client Procedures Circular (CPC-2-0-03), which outlines the process that must be followed by Proponents seeking to install or modify Antenna Systems, effective July 15, 2014.

Section 5 of the *Radiocommunication Act*, which governs the Telecommunication Industry, states that “The Minister may, taking into account all matters the Minister considers relevant for ensuring the orderly development and efficient operation of radiocommunication in Canada, issue radio authorizations and approve each site on which radio apparatus, including Antenna Systems, may be located.” Furthermore, “the Minister may approve the erection of all masts, towers and other antenna-supporting structures”.

ISED also requires that Proponents intending to install or modify an Antenna System notify and consult with the City (Land Use Authority) and the local community within a prescribed distance from the proposed structure. ISED also published a Guide to Assist Land-use Authorities in Developing Antenna System Siting Protocols in August, 2014, stating it “considers that the City’s and local residents’ questions, comments and concerns are important elements to be considered by a Proponent seeking to install, or make modifications to, an Antenna System.” The Client Procedures Circular (CPC) also establishes a dispute resolution process to be used where the Proponent and Municipality have reached an impasse.

Although ISED has undertaken the effort to ensure involvement on the part of local municipalities, ISED continues to be the approval authority in matters respecting Telecommunication Towers/Antennas and associated equipment. The City can only make recommendations to ISED regarding Antenna System siting proposals.

The installation of any Telecommunication Antenna System or the continuing operation of a telecommunication Antenna System, which is not in accordance with the process outlined by ISED, may require alteration or removal and other sanctions against the operator to be determined by ISED, in accordance with the *Radiocommunication Act*.

Additional information regarding ISED’s process can be referred to ISED’s Spectrum Management and Telecommunication Sector at <http://ic.gc.ca/spectrum>.

2.2 Role of the City of Vaughan

The City of Vaughan has a responsibility to fully participate in ISEDC's land-use consultation process, however, has limited jurisdiction around the regulation of Telecommunication Antenna Systems. The federal government has jurisdiction over all inter-provincial and international Antenna Systems in Canada. Therefore, the decision making around approving the location and operation of telecommunications facilities can only occur through ISEDC's approval process. ISEDC's requirements, including CPC-2-0-03, Issue 5, effective July 15, 2014, provide the City of Vaughan with the ability to make recommendations on the siting of wireless telecommunication facilities.

The main role of the City of Vaughan is to issue a Statement of Concurrence or Non-Concurrence to the Proponent and to ISEDC. The statement shall consider all aspects of the consultation and review process discussed within this Protocol. The City of Vaughan guides and facilitates the siting process by:

- **Communicating to Proponents** the particular amenities, sensitivities, planning priorities and other relevant characteristics of the area;
- **Developing design guidelines** for Antenna Systems contained in Section 6 of this Protocol; and,
- **Establishing a public consultation process**, contained in Section 9 of this Protocol.

2.3 Role of the Proponent

Proponents must strategically locate Antenna Systems to satisfy technical criteria and operational requirements in response to public demand. Through the siting process, Proponents must adhere to the Antenna System siting guidelines in CPC-2-0-03, including:

1. Investigating sharing or using existing infrastructure before proposing new antenna-supporting structures (consistent with CPC-2-0-17, *Conditions of License for Mandatory Roaming and Antenna Tower and Site Sharing and to Prohibit Exclusive Site Arrangements*).
2. Contacting the City of Vaughan to determine local requirements regarding Antenna Systems, including, but not limited to:
 - a. Meeting the City of Vaughan requirements regarding site selection, tower design, exemptions and public notification procedures, established in this Protocol;
 - b. Engage with the City of Vaughan Development Planning Department on an annual basis in order to review future and upcoming City-wide network requirements prior to commencing site acquisition activities, as described in Sections 5.2 and 7.1 of this Protocol; and,
 - c. Being an active stakeholder in the Block Plan process and providing input in determining locations for telecommunication facilities that are acceptable to all parties early in the process, as described in Section 5.2 of this Protocol.
3. Undertaking public notification and addressing relevant concerns as is required and appropriate.

2.4 Additional Federal Legislation

In addition to the Radiocommunication Act, Proponents must also comply with the following federal legislation and/or regulations, where warranted:

1. Health Canada's Safety Code 6 – Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 KHz to 300 GHz, as described in Section 2.5 of this Protocol;
2. The *Canadian Environmental Assessment Act*, 2012; and,
3. NAV Canada and Transport Canada's painting and/or lighting requirements for aeronautical safety.

2.5 Health and Safety

Health Canada has established safety guidelines for exposure to radio frequency fields, in its Safety Code 6 publication entitled "Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz". ISEDC has adopted this guideline for the purpose of protecting the general public, which concludes that there is no scientific or medical evidence that a person will experience adverse health effects from exposure to radio frequency fields, provided that the installation complies with Safety Code 6.

It is the responsibility of Proponents and operators of the installations to ensure that all radiocommunication and broadcasting installations comply with Safety Code 6 at all times, including the consideration of combined effects of nearby installations within the local radio environment. For all Proponents following the City of Vaughan's Public Consultation Process, the Proponent's notification package must provide a written attestation that there will be compliance with Safety Code 6 for the protection of the general public, including consideration of nearby radiocommunication systems. The notification package must also indicate any Safety Code 6 related signage and access control mechanisms that may be used on the facility.

Prior to ISEDC's approval of a telecommunication facility, the Proponent must submit a signed attestation or an acceptable analysis to ISEDC indicating compliance with Safety Code 6. The ISEDC departmental officer processing the application is expected to exercise judgment on the validity of the submission. If there is any doubt about the compliance or if the application is not accompanied by an attestation or an analysis, further testing for Safety Code 6 compliance may be required as outlined in the technical requirements of ISEDC's "Safety Code 6 Radio Frequency Exposure Compliance Evaluation Template".

Telecommunication common carriers and operators of broadcasting undertakings are to carry out an exposure evaluation on all new installations and following any increases in radiated power. Either measurement surveys or mathematical or numerical computations can be used for this evaluation. Where the radio frequency emission of any installation, whether telecommunication carrier or broadcasting operator, is greater than or is equal to 50% of the Safety Code 6 limits for uncontrolled environments at locations accessible to the general public (i.e. not solely available for access by workers), the operator(s) of radio frequency emitters must notify ISED and demonstrate compliance with Safety Code 6. This determination of 50% of Safety Code 6 must be in consideration of the local radio environment.

Compliance with Safety Code 6 is an ongoing obligation. At any time, Antenna System operators may be required, as directed by ISED, to demonstrate compliance with Safety Code 6 by (i) providing detailed calculations, and/or (ii) conducting site surveys and, where necessary, by implementing corrective measures. Proponents and operators of existing Antenna Systems must retain copies of all information related to Safety Code 6 compliance such as analyses and measurements.

The Proponent must provide written attestation confirming compliance with Safety Code 6 for the protection of the general public for all telecommunication facility siting applications submitted to the City, as contained in Section 8 of this Protocol.

3.0 Definitions

Antenna System: Means an exterior transmitting device – or group of devices - used to receive and/or to transmit radio-frequency (RF) signals, microwave signals, or other federally-licensed communications energy transmitted from, or to be received, by other antennas. Antenna Systems include the antenna, and may include a supporter tower, mast or other supporting structure, and an equipment shelter. This protocol most commonly refers to the following two types of Antenna Systems:

1. **Freestanding Antenna System:** Means a structure (ie. tower or mast) built from the ground for the expressed purpose of hosting an Antenna System or Antenna Systems;
2. **Building/Structure-Mounted Antenna System:** Means an Antenna System mounted on an existing structure, which could include a building wall or rooftop, a light standard, water tower, utility pole or other.

*For clarification purposes an Antenna System is also referred to as a Radiocommunications/ Telecommunications Facility.

Broadcasting: Means any transmission of programs, whether or not encrypted, by radio waves or other means of telecommunication for reception by the public by means of broadcasting receiving apparatus, but does not include any such transmission of programs that is made solely for performance or display in a public place.

Broadcasting Undertaking: Includes a Distribution Undertaking, a Programming Undertaking and a Network.

City: Means the City of Vaughan.

Co-location: Means the placement of Antenna Systems on an existing building or structure, or the placement of additional Antenna Systems on an existing support structure, by one or more Proponents, thereby creating a shared facility.

Community Sensitive Locations: Means land on which the siting of new Antenna Systems is discouraged, or requested to be subject to greater consultation than otherwise dictated by the standard protocol.

CPC-2-0-03: Means ISED's Client Procedures Circular, "Radiocommunication and Broadcasting Antenna Systems", Issue 5, effective July 15, 2014.

Distribution Undertaking: Means an undertaking for the reception of broadcasting and the retransmission thereof by radio waves or other means of telecommunication to more than one permanent or temporary residence or dwelling unit or to another such undertaking.

Expanded Notification: Means notification beyond that which would be required in Part C Section 3 of CPC-2-V-03, as mutually agreed upon by the City and the Proponent, which may include for example: a more detailed information package and/or offer of an information meeting with the Proponent that may be sent to the school principal when the impacted land use is a school. Other examples include in the event a community centre is impacted, community newsletters, bulletins, and/or postings within the building.

Height: Means the vertical distance measured from the lowest ground level at the base, including the foundation, to the tallest point of the Antenna System. For greater clarity, height of a Building/Structure-Mounted Antenna System shall be measured from the ground level of the non-tower building/structure to the tallest point of the Antenna System. Depending on the particular installation, the tallest point may be an antenna, lightning rod, aviation obstruction lighting or some other appurtenance. Any attempt to artificially reduce the height (addition of soil, aggregate, etc.) will not be included in the calculation or measurement of the height of the Antenna System.

Innovation, Science and Economic Development Canada: Means the Federal Department that is responsible for radio frequency spectrum management. This Department was previously referred to as “Industry Canada”.

Programming Undertaking: Means an undertaking for the transmission of programs, either directly by radio waves or other means of telecommunication or indirectly through a distribution undertaking, for reception by the public by means of broadcasting receiving apparatus.

Proponent: Means a company, organization or individual that offers, provides, or operates a telecommunication facility for personal use or the general public.

Radiocommunications/Telecommunications Facility: Refer to Antenna Systems definition.

Safety Code 6: Means Health Canada’s Safety Code 6, “Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz,” 2009.

Sensitive Lands (Community, Environmental and Visually Sensitive Lands): Means lands on which tower siting is to be discouraged or requires enhanced design or expanded notification. *(Includes: elementary and secondary schools, local/neighbourhood parks, community centres, low rise residential zones, environmentally sensitive areas (ANSI, ESA’s, Woodlot, Wetlands, Interior Forest). If a proposed Radiocommunication/Telecommunication Facility is located in a Community, Environmental and Visually sensitive area, then the Proponent should consult with the City to determine whether the proposed site is discouraged or will require an enhanced consultation process.*

Third Party Tower Owner: Proponents who install towers or Antenna Systems on behalf of others or for leasing purposes.

Telecommunications Carrier: Means a person or business that owns or operates a transmission facility used by that person or another person to provide telecommunications services to the public for compensation.

4.0 Exemptions from the Consultation Process

This section outlines the criteria for identifying Antenna Systems excluded from the consultation process by ISEDC, the need to consider local circumstances for all exempt structures, and the process for Proponents to notify and discuss proposed exempt structures with the City. Depending on the type of Antenna System proposed and the proposed system's proximity to discouraged locations (i.e. within the Prescribed Distance from the nearest Residential Area), structures typically excluded by ISEDC may be required to follow all or part of the pre-consultation, proposal submission and public consultation identified in this protocol.

4.1 ISEDC Exemptions from the Requirement to Consult with the City

For the following types of installations, Proponents are generally excluded by ISEDC from the requirement to consult with the Municipality and the public, but must still fulfill the General Requirements outlined in Section 7 of CPC-2-0-03:

1. The maintenance of existing telecommunications apparatus including the Antenna System, transmission line, mast, or other antenna-supporting structure or maintenance of an Antenna System's painting or lighting in order to comply with Transport Canada's requirements;
2. Addition or modification of an Antenna System (including improving the structural integrity of its integral mast to facilitate sharing), the transmission line, antenna-supporting structure or other radio apparatus to existing infrastructure, a building, water tower, etc. provided the addition or modification does not result in an overall height increase above the existing structure of 25% of the original structure. No increase in height may occur within one year of completion of the initial construction. Any subsequent modifications or additions to the same structure will be subject to the consultation process, as applicable.

This exclusion does not apply to Antenna Systems using purpose built antenna supporting structures with a height of less than 15 metres above ground level operated by telecommunications carriers, broadcasting undertakings or third party tower owners;

3. Non-tower structures: antennas on buildings, rooftops, water towers, lamp posts, etc. may be excluded from consultation provided that the height above ground of the non-tower structure, exclusive of appurtenances, is not increased by more than 25%. **Telecommunication carriers, operators of broadcasting undertakings and third party tower owners are encouraged to contact the City to confirm if the proposed Antenna System meets this exclusion;**
4. Installation, for a limited duration (typically not more than 3 months), of an Antenna System that is used for a special event, or one that is used to support local, provincial, territorial or national emergency operations during the emergency, and is removed within 3 months after the emergency or special event; and,

5. New Antenna Systems, including masts, towers or other antenna-supporting structure, with a height less than 15 m above ground level. **This exclusion does not apply to Antenna Systems proposed by telecommunications carriers (e.g. Bell, Telus, Rogers), broadcasting undertakings or third party tower owners.**

Section 6 of CPC-2-0-03 states that individual circumstances vary with each Antenna System installation and modification, and the exclusion criteria above should be applied in consideration of local circumstances. Consequently, it may be prudent for the Proponents to consult the City and the public even though the proposal meets an exclusion noted above. Therefore, when applying the criteria for exclusion, Proponents should consider such things as:

- the Antenna System's physical dimensions, including the antenna, mast, and tower, compared to the local surroundings;
- the location of the proposed Antenna System on the property and its proximity to neighbouring residents;
- the likelihood of an area being a Community-Sensitive Location; and,
- Transport Canada marking and lighting requirements for the proposed structure.

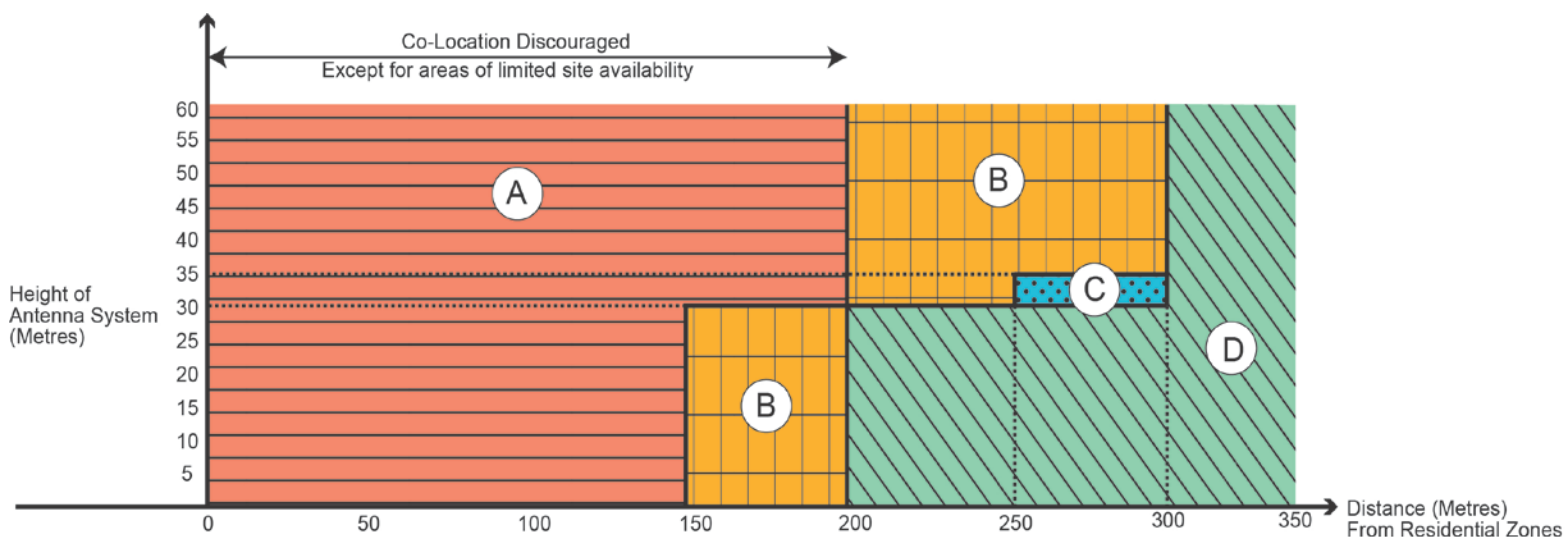
4.2 Vaughan Specific Exemptions from the requirements to consult with the City and Public

In addition to the exclusions identified by ISEDC in Section 4.1, the following telecommunication installations are exempt from the requirements to consult with the City and Public within the City boundaries:

1. New telecommunication facilities located a minimum of 200 m away from residential zones, within lands zoned for employment and/or industrial uses; and,
2. Amateur radio telecommunication towers provided they are for personal use only and less than 15 m in height.

4.3 Specific Exemptions from the Requirements to Consult with the City and/or the Public

FIGURE 1: Antenna System siting application review process; modified review procedures to encourage Proponents to voluntarily select sites away from residential zones



Legend:

- Area "A": Full Review Process, Public Consultation, and Council Approval Required
- Area "B": Staff Review and Council Approval Required (No Public Consultation Required)
- Area "C": If Co-Located, Council Approval Not Required; If Single Carrier, Council Approval Required
- Area "D": Staff Review and Approval Required (No Council Approval Required)

Explanatory Notes for Figure 1:

- a) Antenna Systems that meet the requirements of Area "A" as per Figure 1 require full public consultation, City review and approval by Vaughan Council. Antenna Systems that meet the requirements of "Area A" are as follows:
 - i. Antenna Systems, regardless of height, that are located within 150 m from any residential zone; or
 - ii. Antenna Systems that are higher than 30 m in height and are located at a distance between 150 m and 200 m from any residential zone.
- b) Antenna Systems that meet the requirements of Area "B" as per Figure 1 require City review and approval by Vaughan Council, but do not require Public Consultation. Antenna Systems that meet the requirements of "Area B" are as follows:
 - i. Antenna Systems that are equal to or lower than 30 m in height, and are located at a distance between 150 m and 200 m from any residential zone; or

- ii. Antenna Systems that are higher than 30 m in height, and are located at a distance between 200 m and 250 m from any residential zone; or
 - iii. Antenna Systems that are higher than 35 m in height, and are located at a distance between 250 m and 300 m from any residential zone.
- c) Antenna Systems that meet the requirements of Area "C" as per Figure 1 may require approval by Vaughan Council dependent on the tower tower being co-located by multiple carriers, or occupied by a single carrier. Antenna Systems that meet the requirements of Area "C" are as follows:
- i. Antenna Systems that are between 30 m and 35 m in height, located at a distance between 250 m and 300 m from any residential zone, and are occupied by a single carrier, the review process for Area "B" applies; or
 - ii. Antenna Systems that are between 30 m and 35 m in height, located at a distance between 250 m and 300 m from any residential zone, and are co-located on an existing tower, the review process for Area "D" applies.
- d) Antenna Systems that meet the requirements of Area "D" as per Figure 1 are exempt from Vaughan Council approval and public notification. Applications would be reviewed and granted concurrence/non-concurrence by the City. Antenna Systems that meet the requirements of Area "D" are as follows:
- i. Antenna Systems equal to or lower than 30 m in height, and located at a distance between 200 m and 300 m from any residential zone; or
 - ii. Antenna Systems, regardless of height, farther than 300 m from any residential zone.
- e) This section does not apply if an Antenna System is proposed within a Heritage Conservation District. New Antenna Systems located within a Heritage Conservation District are subject to the full public consultation and review process, including approval by Vaughan Council.
- f) Figure 1 shall be reviewed by the City every two years to reflect the industry's new information, technology and standards.

4.4 Notification of Exempt Antenna Systems

Notwithstanding the exemption criteria for siting certain Antenna Systems outlined in Sections 4.1, 4.2 and 4.3, Proponents are advised to courteously inform the City of Vaughan of all new Antenna System installations within their boundaries so the City can:

- Be prepared to respond to public inquiries once construction/installation has begun;
- Be aware of site Co-location within the City;
- Maintain records to refer to in the event of future modifications and additions; and
- Engage in meaningful dialogue with the Proponent with respect to the appearance of the Antenna System and structure prior to the Proponent investing in full design.

Therefore, Proponents are required to undertake the following steps **for all exempt Antenna System installations before commencing construction**:

1. Building/Structure-Mounted Antenna Systems:

In all cases, the proponent will provide the following information for all new Antenna Systems or modifications to existing Antenna Systems that are mounted to an existing structure (ie. building/rooftop, water tower, utility pole or light standard):

- The location of the Antenna System (address, name of building, rooftop or wall mounted, etc.)
- Description of proposed screening or stealth design measures with respect to the measures used by existing systems on that site and/or the preferences expressed in Sections 5 and 6
- The height of the Antenna System
- The height of any modification to existing systems

The City may notify the Proponent of any inconsistency with the preferences and sensitivities expressed in Sections 5 and 6 and the parties will work towards a mutually agreeable solution.

2. Freestanding Antenna Systems and additions to Freestanding Antenna Systems:

The Proponent will confirm to the City that the Freestanding Antenna System to be erected, or an addition to an existing Freestanding Antenna System meets the exclusion criteria in Section 4 by providing the following:

- The proposed location, including the address and location on the lot or structure
- A short summary of the proposed Antenna System including a preliminary set of drawings or visual rendering of the proposed system
- A description of how the proposal meets one of the Section 4 exclusion criteria of this protocol

The City may notify the Proponent of any inconsistency with the preferences and sensitivities expressed in Sections 5 and 6. In such cases the City will work with the Proponent toward reaching a mutually agreeable solution, which may include the City requesting the proposal to be subject to all or part of the pre-consultation, proposal submission and public consultation process as outlined in this Protocol, as applicable, concluding with a letter of concurrence or non-concurrence.

5.0 Site Selection

5.1 Co-locating on Existing Antenna Systems

Proponents of Antenna Systems are strongly encouraged to utilize existing tower facilities in all instances, except on or near visually sensitive lands (ie. residential zones), in order to reduce further visual intrusions in these areas. In areas of limited site availability where towers will be located in proximity to each other, co-location may be encouraged at the time of Pre-Application Consultation.

5.2 Preferred Site Selection Criteria

The City encourages Proponents to voluntarily select sites in the following order:

1. Sites co-located on existing telecommunication towers at least 200 m away from any residential zone.
2. Where co-location is not possible, a new tower located 200 m away from any residential zone in:
 - a) Employment areas and rail facilities;
 - b) Other non-residential zones;
 - c) Natural areas and open space, subject to certain criteria;
 - d) Other publicly-owned properties;
 - e) Regional and District parks; and,
 - f) Antenna Systems should not be located at prominent vistas, wherever possible.

In each instance, the Proponent is encouraged to seek City-owned properties and facilities.

3. Where it is not possible to locate outside 200 m from any residential Zone, and there is limited site availability, co-location may be encouraged at the time of Pre-Application Consultation.

5.3 Pre-identification of Potential Future Sites through the Block Plan Process

As stated in Section 2.3 of the Protocol, the City requires that the Proponent engage with the City of Vaughan Development Planning Department on an annual basis at a minimum, to review future and upcoming City-wide network requirements prior to commencing site acquisition activities. These meetings would ensure that potential sites within new community areas are identified early on in the planning process as to not compromise the future community plan and Block Plan process. As an active stakeholder in the Block Plan process, the Proponent would be providing input in determining locations that are acceptable to all parties early in the process. In the interim, should an Antenna System (ie. tower) be permitted on a temporary basis within a new community area and/or prior to the approval of a Block Plan, then an agreement with the landowner and the Proponent would need to include a provision satisfactory to the City, that the Antenna System shall be removed upon development of the area, should development occur prior to the end of their lease agreement.

5.4 Development Guidelines

1. Antenna Systems shall not be installed in locations that would interfere with the City's wireless communication/security systems. Telecommunication providers are to conduct preliminary radio frequency study report(s) confirming that the intended wireless services will not interfere with any of the City's wireless services. The City should provide technical information regarding the City's wireless systems when required.
2. Proponents are required to provide technical specifications of all radio equipment to be used on each site. Proponents are required to supply updated technical information when installing additional antennas/wireless services on an existing Antenna System. Proponents are also required to work with the City to mitigate any interference caused by their systems, including the removal of devices causing interference to the City's wireless services if required.
3. Where the Proponent is unable to comply with the City's siting preferences, the application must include a justification explaining the rationale for the Proponent's siting decision.
4. The Proponent is required, where feasible and appropriate, to size leased areas to accommodate future expansion and co-location when leasing Antenna System facilities. In areas such as industrial/ employment areas where deemed appropriate by the City, the Proponent shall plan for the future accommodation of co-locating service providers by licensing sufficient compound space and by building Antenna Systems of sufficient height to permit such accommodations.
5. Proponents are encouraged to meet with Hydro One to determine if co-utilization of infrastructure is feasible in certain locations where determined appropriate.
6. The co-utilization of facilities and infrastructure such as utility poles, street lights and other vertical real estate is encouraged in place of a new structure.
7. Proponents are encouraged to design Antenna Systems in accordance with the urban design guidelines referenced in Section 6 of this Protocol.

5.5 Criteria for Siting Antenna Systems on City-owned Land

1. Antenna System proposals for City-owned lands should avoid the use of local parks in residential areas. However, when no other suitable option can be found, proposing the use of local parks in residential areas for telecommunication facilities will be considered by the City. As part of the evaluation process, Proponents shall demonstrate other potential locations are not suitable as detailed in Section 5.2 of this Protocol. These evaluations shall be provided to the Vaughan Development Planning Department for review.
2. Telecommunication providers shall consult with the City to provide the most suitable location on the identified City-owned site that takes into account planned development or redevelopment on the site, and so as to cause the least visual disturbance. The Proponent should contact the Vaughan Real Estate Department, who will report to Council seeking Council's interest in pursuing a lease arrangement or not. If so, the Proponent would pursue the Antenna System through the regular telecommunication siting process outlined in this Protocol with the Vaughan Development Planning Department. Should Council decide to give concurrence to allowing an Antenna System on City lands, the Proponent would enter into a lease agreement with the City through the Vaughan Real Estate Department.
3. Telecommunication providers shall enter into a lease agreement with the City that specifies the terms and conditions of the Proponent's occupancy of City property, including but not limited to length of term, rent payable, insurance requirements, indemnity, co-locates, site location and access, design of facility, and Letter of Credit.
4. Occupancy agreements with providers should facilitate the removal or relocation of a free standing Antenna System or a building/structure-mounted Antenna System, at no cost to the City, in light of decommissioning of the antenna system or redevelopment of the City site.

6.0 Design Guidelines for Antenna Systems

6.1 General Guidelines

The City of Vaughan strongly encourages a Proponent to explore opportunities to locate and design an Antenna System on the roof of existing or proposed high-rise structures in an area to reduce the adverse physical and visual impact of the infrastructure on the neighbouring properties.

The use of design features, colour, and landscaping can be used to screen Antenna Systems from view and should be encouraged whenever possible. The following design guidelines should be taken into consideration when designing a new Antenna System:

6.2 Freestanding Antenna System (ie. telecommunication tower)

1. Location Design and Landscape

- As per City of Vaughan Official Plan 2010 (VOP 2010) Policy 8.4.4.3, Proponents to locate a telecommunication tower to the rear of lots and away from streets to minimize the visual impact of the tower from the streetscape.
- All efforts will be made to decrease the size and visibility of all Antenna Systems (and associated infrastructure) to lessen negative visual impacts, complement surroundings, and to respect natural and human heritage features to the greatest extent possible. To ameliorate the scale and visual impact of Antenna Systems, mitigation measures shall include consideration of: design features, structure type, design, colour, materials and at grade features such as landscaping, screening and decorative fencing.
- The architectural style of the telecommunication tower will be chosen based upon what is most compatible with the surrounding physical context. Monopole design with antennas shrouded or flush mounted are preferred architectural styles.
- Where appropriate, the planting of trees and shrubs at the tower site and around the equipment shelter is encouraged to enhance the landscape character of the surroundings.
- One parking space will be provided at each new telecommunication tower site with access from a public right-of-way at a location acceptable to the City. Where parking is provided for another use on the site and this parking is within 20 metres of the telecommunication tower, the parking space for the tower is not required (parking spaces need not be exclusively devoted to Antenna System usage). The parking space should be thoughtfully integrated into the site design in order to minimize visual impact. Vehicle-grade permeable or unit paving may be considered for the parking space surface.

2. Colour, Lighting, Signage and Other Graphics

- Freestanding Antenna systems (towers and equipment) to have a non-reflective surface and be of a neutral colour (e.g. light grey) which is compatible with the sky and the surroundings. It is recognized that new towers must comply with the requirements of Transport Canada and NAV Canada.
- Lighting of Antenna Systems is prohibited unless required by NAV Canada. Proof of this requirement shall be provided to the City by the Proponent.
- Telecommunication towers will accommodate only telecommunication antennas. Only identification or information signs or other material directly related to the identification or safe operation of this equipment will be permitted on the tower. A small plaque must be placed at the base of the structure (or at the main entrance to the site where the site is not accessible under normal circumstances), identifying the owner/operator of the structure and a contact telephone number. No third party advertising, or advertising or promotion of the Proponent or the Proponent's services shall be permitted. In certain circumstances, third party advertising as a form of stealth design may be permitted by the City, dependent on the location of the proposed telecommunication tower and the context of the site and surrounding area (e.g. stealth tripole design with Canada's Wonderland logo and colours that match surrounding area, as shown below).



3. Design Guidelines for Freestanding Antenna Systems within Residential Zones or other Sensitive Lands

A new freestanding Antenna System which must be located within 200 metres of a Residential Zone or elementary or secondary school or other sensitive lands for reasons of engineering or network objectives, to consider a monopole or tripole design with stealth design techniques, as described below.

- A new Antenna System, which must be located within prominent vistas in regional and district parks or natural open spaces and is highly visible from the public realm to consider stealth design techniques, as described below.
- If stealth design techniques are employed in the design of a new Antenna System, co-location capacity will not be required.

4. Stealth Design

- Where appropriate, a telecommunication tower can be designed using stealth design techniques such as camouflaging towers as a landmark feature to punctuate the urban landscape to resemble features found in the area, including but not limited to a flagpole, clock tower, church steeples, chimneys, etc.



- Within prominent vistas in regional and district parks or natural open spaces with high visibility from the public realm, a freestanding Antenna System can be designed to resemble open space features such as the tree concealment technique.



6.3 Design Guidelines for Building/Structure-Mounted Antenna Systems (ie. roof-top)

- Antenna Systems that are attached to existing buildings, including rooftop installations, should be screened and/or designed to complement the architecture of the building with respect to form, materials and colour.
- Where equipment shelters are on roofs of buildings, they are encouraged to maintain a setback of a minimum of 3.0 metres to the roof edge and to a maximum height of 4.0 metres.
- Where telecommunication towers are proposed to be located on roofs of buildings they will be encouraged to be a maximum of 5 metres in height from roof level and set-back a minimum of 5.0 metres from the roof edge.



7.0 Consultation Processes with the City of Vaughan

Consultation is one of the most important elements in the Antenna System siting process and shall occur at a point before the Proponent is committed to a site or a design. Consultation allows for dialogue towards a confirmation of the antenna system location and design, thereby allowing the Proponent to commit to a site and finalize the detailed engineering. While a discussion of submission requirements is appropriate, the proposal will benefit most from early direction on matters of siting and design.

Proponents are strongly encouraged to initiate consultation as early as possible in the Antenna System siting process for exempt and non-exempt structures.

Prior to submitting an Antenna System proposal, including for Freestanding Antenna Systems or additions to Freestanding Antenna Systems as may be required under Section 4, the Proponent will undertake the following preliminary consultations with the City of Vaughan:

7.1 General Consultation with the Vaughan Development Planning Department prior to securing a Site (Pre-lease)

The City will consult with Antenna System Proponents on opportunities to promote unobtrusive siting using the Official Plan policies, Secondary Plans for new communities, the site plan process including for new mid-rise and high-rise developments, and the Block Plan process.

Wireless carriers are required to engage with the City of Vaughan's Development Planning Department annually, at a minimum, in order to review upcoming City-wide network site requirements before commencing site acquisition activities.

7.2 Specific Consultation with the Vaughan Real Estate Department for the use of City-Owned Lands (Pre-lease review)

In accordance with Section 5 of this Protocol, Proponents are encouraged to consider the use of City-owned lands and/or facilities where feasible for the siting of Antenna Systems. For Proponents who wish to locate Antenna Systems on City-owned lands, the following process applies:

1. The Proponent makes a request to the Office of the City Solicitor (Real Estate Department). The Proponent is to provide details of their selected location(s). Note: The Vaughan Real Estate Department does not maintain an inventory of potential City owned sites. Each site is reviewed on a case-by-case basis.
2. The Proponent is asked if any other co-location sites are available.
3. An Application and Administration Fee (as per By-law 200-2015, or the by-law in effect at the time of payment) is required from the Proponent, as per Section 8.3.1 of this Protocol.
4. The request is circulated to internal City Departments for comments based on the location of the proposed Antenna System and the City Departments affected. However, at a minimum, the Real Estate Department shall circulate the request to the Vaughan Development Planning,

Environmental Services, and Development Engineering and Infrastructure Planning Departments. Typically, additional circulated departments include Parks Development and Parks Operations.

5. Comments received from the circulated City Departments are reviewed and discussed with the Proponent.
6. If the Proponent can demonstrate that the concerns or comments can be addressed, a report is prepared for consideration by Vaughan Council for the proposed location only.
7. If Vaughan Council approves the request, the Proponent is required to enter into the standard Site Development application process as per Sections 7 and 8 of this Protocol (i.e. conduct a Pre-Application Consultation meeting with the Vaughan Development Planning Department and submit a Site Development Application) to demonstrate the appropriateness of the Antenna System through the siting process to confirm concurrence of the proposed project on the City lands, which may include a public consultation process. The Site Development application process is to demonstrate concurrence of the proposal only from Council, and if supported, will trigger the Proponent to enter into a formal lease agreement with the City.

7.3 Pre-Application Consultation (PAC) Requirements

As discussed in Section 7.1, the Vaughan Development Planning Department will host consultation meetings with Proponents at the time a Telecommunication Facility Proponent begins its site search for a site. Once the Proponent has found a site, a subsequent meeting is held, known as Pre-Application Consultation (PAC). Requests for a formal consultation must be made by the Proponent at least 7 working days prior to the Pre-Application Consultation meeting by submitting the following:

1. The Pre-Application Consultation (PAC) fee payable in accordance with By-law 202-2015 (or the by-law in effect at the time of payment);
2. The location of the proposed Antenna System, including the address and location on the lot or structure;
3. Setbacks from the nearest residential zone; and,
4. A description of the proposed Antenna System, its objective, applicable planning policies, search area and candidate sites if available, and, if applicable, how the facility meets any of the exclusion criteria under Section 4 of this Protocol.

Any Application for a non-exempted Antenna System will require the submission of a complete application to be determined by the Vaughan Development Planning Department through the Pre-Application Consultation process. City staff shall identify the final submission requirements through the Pre-Application Consultation process, including any additional items that may be required.

8.0 Application Submission and Process

For a proposed Antenna System, except for cases in which City consultation is not required or requested as per Section 4, the Proponent will submit to the Vaughan Development Planning Department a complete application for an Antenna System siting proposal and the applicable fee.

8.1 Proposal Submission Requirements

The following, at a minimum, are part of the Complete Application Requirements:

1. At the time of submission of the site development application, the Proponent shall append a justification report, which will chronicle the network requirements in the context of the Protocol for the proposed new Antenna System. The report shall include the following information to support the application:
 - a) Written description of the engineering rationale for the proposed Antenna System installation;
 - b) Technical coverage and/or capacity plots (mapping) showing the current compromised network state, and desired end state;
 - c) Written description of the geographical area to be serviced by the proposed Antenna System installation;
 - d) Address the written description of the Antenna System site being proposed;
 - e) Survey plan showing the layout of the proposed Antenna System and ancillary equipment;
 - f) Brief description of type of Antenna System being proposed;
 - g) Identification of any and all existing infrastructure(s) within the required coverage/capacity area. Its' assessed suitability for co-location and reason(s) for disqualification;
 - h) Notes from pre-application consultation meetings;
 - i) Where the proposal does not meet a preference expressed in the protocol and explanation;
 - j) A coloured photo simulation of the proposed Antenna System within the context of the surrounding area, from a minimum of two angles as determined by the Vaughan Development Planning Department.
2. The justification report shall be appended to the staff report to be considered by Vaughan Council, which shall accompany the application for final decision.
3. Survey plans shall be prepared to appropriate metric scale showing:
 - a) The location of existing lot lines, buildings and structures, and setbacks from those from the proposed facility;
 - b) Setbacks from the nearest building used for low rise residential land use, measured from the nearest point of the building, structure, or feature, if applicable;
 - c) Measurement of the subject lot to sensitive lands, if applicable;
 - d) Existing and proposed landscaping;
 - e) Key Plan showing the structure type, colours, height, and materials proposed to be used for all structural elements;
 - f) Proposed access to the facility, including any motor vehicle parking spaces, if applicable.
4. The Proponent is required to provide a written attestation that the proposed Antenna System will comply with Health Canada's Safety Code 6 on a cumulative and ongoing basis.

5. Where the Proponent is unable to comply with the City's siting preferences as discussed in Section 5 of this Protocol, the application must include a justification explaining the rationale for the Proponent's siting decision.
6. Where co-location is appropriate, Proponents are required to submit a Co-location Invitation Form, or similar evidence that the telecommunication industry has been consulted with respect to co-location opportunities.

8.2 Complete Application

1. An application will not be accepted if it does not completely meet the submission requirements identified in the Pre-Application Consultation meeting.
2. The City of Vaughan shall consider the date a complete application was received as the official commencement of the Site Development application review process. The City shall have 60 days to provide comments to the Proponent on the first, original submission, and 120 days to complete the consultation process from the date the complete Site Development application is submitted.
3. If the City of Vaughan submits a request to the Proponent for additional information prior to the City deeming the application complete and no additional information is supplied within 60 days, the City shall advise ISEDC of the incomplete status of the application and request that ISEDC not issue any decision prior to the City issuing the Statement of Concurrence/Non-Concurrence.

8.3 Fees

1. When a Proponent submits a request to lease City-owned lands, the Office of the City Solicitor, Real Estate Department, charges an Administration Fee (as per By-law 200-2015 or the by-law in effect at the time of payment). The fee is used towards the commencement of the circulation process, as described in Section 7 of this Protocol.
2. The Proponent must pay the applicable base fee for a Site Development Application in accordance with the Tariff of Fees By-law for Vaughan Planning Applications (By-law 202-2015 or the by-law in effect at the time the application is submitted to the City). This fee is in addition to any other fees that may be required from other approval authorities. The Proponent also incurs any costs associated with public consultation.
3. Through City review, if the application merits the installation of additional landscaping to screen a proposed Antenna System (ie. equipment cabinet or roof-top antenna) this is done at the Proponent's cost, and the Vaughan Development Planning Department secures these costs to ensure the installation of the said landscaping or screening is implemented through a standard Letter of Credit submitted by the Proponent, through the process identified in City of Vaughan's Site Plan Control By-law 123-2013 (as may be amended from time to time).
4. Further, the Property Tax and Assessment Division has advised that there is an increase in property taxes for lands maintaining Antenna Systems due to the increase of the assessment value to the lands where the Antenna Systems are installed. The impact to the taxes varies depending on the size of the tower. Finally, the classification/tax rate of the Antenna System will fall into the Commercial tax class, even if the tower is installed on Residential or Agricultural lands.

8.4 Application Processing (Site Development Application)

1. The timeline (120 days) and process for the disposition of written correspondence shall be as per the ISEDC process outlined in Section 4 of CPC-2-0-03.
2. The City shall have 60 days to provide comments to the Proponent on the first, original submission, and 120 days to complete the consultation process from the date the complete Site Development application is submitted.
3. Any proposals for a non-exempted Antenna System will require the submission of a complete application to be determined by the Vaughan Development Planning Department through the Pre-Application Consultation process.

The City or Proponent may request an extension to the consultation process timeline. This extension must be mutually agreed upon by both parties.

8.5 Dispute Resolution

The City of Vaughan's Dispute Resolution is as follows:

ISEDC generally favours a process whereby the Proponent, the local public and the Land Use Authority work toward a solution which takes into consideration each other's interests.

1. In the normal course, the Director of Development Planning or his/her designate would be given authority to concur with applications which meet the requirements of this Protocol.
2. Where it appears to the Director that concurrence will not be granted, the Proponent will be invited to meet with the Director of Development Planning to discuss reasonable alternatives, and to amend its application to address the issues identified. Where these discussions do not lead to concurrence with the proposal, the Director of Development Planning will forward a report to the next available Committee of the Whole detailing the reasons for the pending non-concurrence decision. The Proponent will be permitted to make oral or written submissions as may be appropriate. Committee/Council will ultimately decide concurrence or non-concurrence with the proposal.
3. At the option of the Proponent, once a notice of non-concurrence has been received, ISEDC may be asked to intervene and grant authority to approve the proposed Antenna System in accordance with ISEDC's impasse process set out in CPC-2-0-03.

8.6 Concurrence or Non-Concurrence

1. In the event of concurrence (by Council or the Director of Development Planning as identified in Section 4), the City shall prepare a Letter of Concurrence that includes a 3-year requirement for a re-consultation.
2. That if an Antenna System is not installed within 3 years after the municipal concurrence and the Proponent wishes to proceed with installation, the Proponent is required to recommence the municipal consultation process.
3. Copies of the Letter of Concurrence, with or without conditions, or Letter of Non-Concurrence (with reasons), shall be sent by the Vaughan Development Planning Department directly to ISEDC with copies sent to the following individuals:
 - The Proponent;
 - Office of the City Clerk, City of Vaughan;
 - The Mayor and Members of Council; and,
 - Any individual requesting a copy from the City.

The Letter of Concurrence or Letter of Non-Concurrence shall include a statement that consultation has been completed as per the Protocol.

4. The City (through the Director of Development Planning) shall issue the Letter of Concurrence or Non-Concurrence within the timeframe established in Section 8. Please refer to Appendices for examples.
5. The City (through the Director of Development Planning) may rescind its concurrence if, following the issuance of the Letter of Concurrence, it is determined by the City that the proposal contains a misrepresentation or a failure to disclose all the pertinent information regarding the application, proposal, or the plans and conditions upon which the Letter of Concurrence was issued in writing have not been complied with and a resolution cannot be reached to correct the issue.

In such cases, the City (through the Director of Development Planning) will provide notification in writing to the Proponent and to ISEDC and will include the reason(s) for the rescinding of its Letter of Concurrence.

6. Once a Letter of Concurrence has been issued, that concurrence may be transferred from the original Proponent to another Proponent (the current Proponent) without the need for further consultation provided that:
 - a) All information gathered by the original Proponent in support of obtaining the concurrence from the City is transferred to the current Proponent;
 - b) The Antenna System for which the Letter of Concurrence was issued to the original Proponent is what the current Proponent builds; and,
 - c) Construction of the Antenna System is commenced within the 3 year period of the date of Council approval.

9.0 Public Consultation

If the proposed Antenna System is not exempt from the public consultation process as per the requirements in Section 4, the Proponent will initiate the following public consultation process, including issuing notice, undertaking written consultation, hosting a public information session (where required) and reviewing the consultation results with the City.

9.1 Issuing Notice

After the Proponent has submitted an application, the Proponent will give notice to the following:

- a) All affected residential properties within the prescribed distance, as discussed in Section 9.2;
- b) All affected Ratepayer Groups within the prescribed distance;
- c) The Mayor, Regional Councillors and Local Councillor for the area; and,
- d) ISEDC regional office.

9.2 Prescribed Distance for Notification

The City will assist the Proponent in compiling a mailing list of addresses (subject to a fee in accordance with Fee By-law in effect at the time of payment and as determined by the Office of the City Clerk) of the affected landowners within the following prescribed distance from the proposed Antenna System:

- a) 150 metres within urban areas, or three times the height of the Antenna System (ie. tower), whichever is greater; or
- b) 250 metres within rural areas, or three times the height of the Antenna System, whichever is greater.

This distance shall be measured outward from the furthest point of the Antenna Systems' supporting mechanism (ie. outermost structure edge). All properties within this distance shall be included on the mailing list.

9.3 Notice Requirements

The Proponent will be required to prepare and distribute the notification package a minimum of 30 days prior to the public information session. The notification package shall include the following items:

- a) Date, time and location (including a key map) of the public information session;
- b) Description of and rationale for the proposed Antenna System. This will include information on the location, height, type, design and colour of the proposed Antenna System, including a letter size (8"x11") copy of the site plan submitted with the application;
- c) The rationale, including height and location requirements, of the proposed Antenna System;
- d) The name and contact information of a contact person for the Proponent;
- e) *Reference the City of Vaughan's Telecommunication Facilities Siting Protocol, and the contact information of the City Planner handling the File;*
- f) The project's status under the Canadian Environmental Assessment Act;
- g) An attestation that the Antenna System will respect Health Canada's Safety Code 6 which sets safe radiofrequency emission levels for devices;
- h) Information (name, email address, phone number) on how to submit comments to the Proponent and the closing date for submission or written public comments (which shall be not less than 30 days from the receipt of notification);
- i) The notification package shall be sent out in an envelope addressed to the "Occupant" and shall clearly show in bold type on the face of the envelope the following statement:

"NOTICE FOR RESIDENTS WITHIN (INSERT PRESCRIBED DISTANCE) OF A NEW PROPOSED CELL TOWER/STRUCTURE-MOUNTED ANTENNA SYSTEM, INFORMATION IS ENCLOSED."

- j) The Proponent shall erect one notice sign along each lot line abutting a public street for any telecommunication facility. All notice signs shall be designed and erected on the lot so that they are clearly visible and legible from all public streets abutting the subject lot; and,
- k) Newspaper Notice: Additionally, the Proponent shall place a Public Notice in the local print media. Publication of this Public Notice shall be synchronized with the distribution of the public notification package.

9.4 Hosting a Public Information Session (or Public Open House)

A Public Information Session shall be required for all non-exempted facilities and shall be open and accessible to all members of the public and local stakeholders.

The Proponent shall choose a location for the Public Information Session that is as close to the proposed Antenna System as possible. If the Proponent is not able to secure a location for the Public Information Session within a maximum distance of 5 km from the location of the proposed Antenna System, the Proponent shall confirm the location of the Public Information Session with the Vaughan Development Planning Department.

The Public Information Session will be convened and facilitated by the Proponent. The format of the event is at the discretion of the Proponent.

The Proponent is responsible to inform all attendees on the applicant's process and the City's responsibilities within the application process.

9.5 Post Public Consultation Package

The Proponent will provide a package summarizing the results of the public consultation to the Vaughan Development Planning Department (City Planner) containing, at minimum, the following information:

- a) A summary of the public information session including the list of attendees, and contact information;
- b) An affidavit that the Notification Package was distributed to all required recipients;
- c) Copies of all letters and other written communications received on or before the last day for comments associated with the application;
- d) Copies of any follow-up responses received from the public; and,
- e) A letter of response from the Proponent outlining how all the concerns and issues raised by the public were addressed.

9.6 Post Consultation Review

The City Planner and the Proponent will communicate following completion of the public consultation process and arrange a meeting at the City's request, to discuss the results and next steps in the process.

10.0 Appendices

10.1 Template - Letter of Concurrence/(Non-Concurrence) to Proponent and ISEDC

File No: DA.XX.XXX

DATE

Proponent

Proponent Address

Dear Proponent's Agent

RE: Letter of Concurrence (or Non-Concurrence)
Proposed Telecommunication Facility
ADDRESS (Proponent)

The City of Vaughan has completed its review of Proponent's proposed Antenna System to be located at Address, as submitted by Agent.

1. The City wishes to advise Agent, Proponent, and ISEDC that the City objects to the proposed Antenna System as it does not comply with the City's Protocol for Siting Radiocommunication Facilities. In reviewing the application, staff note that the proposed Antenna System does not comply with the following sections of the City's review protocol:

x.x.x Insert text of relevant protocol sections here

- OR -

2. The City has reviewed the proposed Antenna System and granted concurrence by Council or Director of Development Planning on Date, and confirms the following:
 - a) Proponent has satisfactorily completed its consultation with the City of Vaughan;
 - b) The City of Vaughan is satisfied with Proponent's public consultation process and does not require any further consultation with the public; and
 - c) That the City of Vaughan concurs with Proponent's proposal to construct an Antenna System provided it is constructed substantially in accordance with the plans submitted to it and described as Tower Description.

You can review the staff report (Item # and Council Date if applicable) for further explanations and details. If you have any questions, please contact me directly, or the City Planner (Name) at Extension #.

Sincerely,

GRANT UYEYAMA,
DIRECTOR OF DEVELOPMENT PLANNING

Copy to: Office of the City Clerk, City of Vaughan
Vaughan Mayor & Members of Council
Deputy City Manager, Planning and Growth Management
Any Affected Deputy City Managers
Any individual requesting copy from the City

10.2 Template - Telecommunication Tower Co-location Invitation Form

_____ (Proponent) has contacted the below listed Telecommunication Companies with invitations to co-locate on the proposed telecommunication tower located at _____. The companies, dates contacted, contact methods, and responses are listed below:

Company contacted	Contact date	Contact method	Response

If any companies expressed an interest in co-location, please attach information on what is required to accommodate additional antennas on the tower, or include in the telecommunication facility justification report.

I, _____ (Proponent Agent), attest that the listed companies received invitations for co-location on the proposed telecommunication facility, and that the responses are captured here.

Print Name & Signature

Date

THOMSON ROGERS
LAWYERS

C13.1

c.13
Communication
CW: <u>SEPT 7/16</u>
Item: <u>2</u>

Stephen J. D'Agostino
416-868-3126
sdagostino@thomsonrogers.com

SENT BY E-MAIL

September 6, 2016

Committee of the Whole
City of Vaughan
2141 Major Mackenzie Drive
Vaughan, Ontario
L6A 1T1

Dear Sirs/Mesdames:

Committee of the Whole - September 7, 2016
City of Vaughan - Telecommunication Facility Siting Protocol
Comments Concerning City of Vaughan
Policy Relating to Telecommunication Facilities
Our File No. 050739

We are the solicitors for Bell, TELUS and Rogers Communications (the "Wireless Carriers") in connection with the City of Vaughan's ("Vaughan") Telecommunication Facilities Siting Protocol ("Protocol"). Given the nature of the Protocol, our clients have chosen to collaborate on their response so that Vaughan has the benefit of their collective experience.

At the outset, and on behalf of the Wireless Carriers, we wish to thank Vaughan for consulting with interested stakeholders. The Wireless Carriers are strong supporters of the concept of a protocol designed to reflect local planning preferences provided it respects Industry Canada's requirements. Having devised the concept of a protocol in the mid 1990's, the Wireless Carriers have worked with municipalities such as Vaughan during the past two decades to ensure that policies are in place that balance their technical

THOMSON
ROGERS



requirements with the benefits of consultation so as to address the needs of all stakeholders. We trust our comments are of benefit to Council's deliberations.

The Wireless Carriers participated in the consultations associated with Vaughan's 2002 protocol and the 2002 and 2003 protocol updates. As well, the Wireless Carriers participated in Vaughan's Telecommunication Facility Siting Protocol Task Force. That Task Force produced a consensus report containing recommendations that we believe will reduce the prospect of controversy and land use conflict while furthering the development of high quality networks through the use of a path of least resistance philosophy. We note that the Protocol has adopted this approach and we support the staff recommendation to Council in that regard. However, the Protocol also contains amendments to the Task Force recommendations which inadvertently undermine the Task Force's objectives.

For the most part, the amendments of concern relate to the Protocol's implementation of changes to ISED's (formerly Industry Canada's) policy CPC-2-0-03 ("CPC") following adoption of the Task Force's Report.

Please accept the following comments related to our review of the Protocol.

Path of Least Resistance

The Task Force deliberations covered a wide variety of issues associated with the siting of wireless telecommunication facilities. The key recommendations can be found in Section C which tackles siting issues directly.

Recognizing that, the Provincial Policy Statement requires that the City accommodate the telecommunication needs of existing and future residents the Task Force recommendations seek to balance the objective of reducing the visual impact of wireless facilities while permitting the development of high quality networks.

The Task Force adopted the philosophy of "Path of Least Resistance". Recognizing that proponents will often compromise their engineering objectives in exchange for quick approval, the Task Force devised a process expanding on the exemptions found in the CPC to encourage taller facilities to locate away from residential zones through the creation of additional exemptions and incentives. "Where the Telecommunication Facility Proponent

is unable to meet the terms of the exemption, the proposal is subject to more scrutiny through a more intense process”.

The Schedule 1 Modified Review Procedure Chart included in the Task Force report was accordingly designed to encourage proponents to voluntarily select sites away from residential areas. Fundamental to the creation of that chart, was the Task Force’s recognition that the industry would use 15 metre towers in or near residential zones in order to provide service in those areas since they were exempt from the need to consult with Vaughan or the public. The Task Force contemplated that these 15 metre towers would be subject to notification only and not a consultation process. The Protocol encouraged 30 metre towers beyond 150 metres from residential zones.

ISEDLC subsequently removed the 15 metre exclusion from the CPC. The Protocol changes the balance in the path of least resistance fundamentally by removing the 15 metre exempt zone and replacing it with a full review process zone. In other words, there is no encouragement for towers of a lower height within 150 metres of a residential zone since a 15 metre and a 50 metre tower both go through the same process with the same notice obligations. In our view, an approach which better reflects the path of least resistance philosophy adopted by the Task Force would have been to create a new 15 metre category between 0 and 50 metres from residential whereby staff review and notice to adjacent landowners based on 3 times the tower height is required. Between 50 metres and 200 metres, the 15 metre category would use the existing Area D designations which require staff review only. Such an approach would provide a meaningful advantage to proponents for lowering their tower heights while at the same time ensuring that consultation is commensurate with the tower height and distance from the residential zone.

We have attached an extract from the Task Force’s report containing the predecessor to Figure 1 in the Protocol for Council’s information.

Notice to the Public

Similarly, the Protocol recommends that where notice is required, including all proposals within 150 metres of a residential zone, then notice is prescribed to be the greater of 3 times the tower height or 150 metres. While the Task Force recommended the 150 metre notification distance, it did so believing that towers less than 15 metres in height would not be subject to mandatory notice requirements. Given that 150 metre notice is equivalent to

10 times the tower height for a 15 metre tower and that Industry Canada's standard is only 3 times the tower height, we believe that the Protocol inadvertently skews the incentive in favour of the development of taller towers. In other words, there is no procedural advantage to a proponent constructing a 15 metre tower compared to a 50 metre tower given the notification distances. In our view, the prescribed distance for notification ought to be amended to provide for 3 times notice for towers 20 metres and less as an incentive. This approach is equally applicable to towers located in or near heritage conservation districts. We believe that our suggestion is consistent with Vaughan's approach to minor variances. These lesser Planning Act approvals only require notice at 60 metres.

Block Plan Coordination

The Task Force also considered the circumstance where telecommunication facilities are developed in rural areas before Block Planning has occurred. The Task Force recommended that staff be directed to consult with telecommunication facility proponents and report back to Council on opportunities to promote unobtrusive siting using the Block Plan process. Unfortunately, no such consultation occurred. Rather, the Protocol contains a requirement that antenna systems developed in advance of Block Plans must include a requirement that they be removed upon development of the area notwithstanding the term remaining in the lease. No other land use in Vaughan is the subject of such a harsh requirement. In our view, such a provision provides a strong disincentive to develop in the rural areas of the City because the capital investment can be defeated if development occurs in the area. Inadvertently, this requirement now creates an incentive for developing towers closer to existing residential uses.

Expiry of Concurrence

In Section 8.6 of the Protocol, the draft provides that the concurrence for antenna systems not installed within 3 years expires. As a result, a proponent wishing to proceed will be required to commence the municipal consultation process again. In our view, it would be prudent to permit the Director of Development to extend the approval for a further year where it is demonstrated to their satisfaction that there is no substantial change in land use planning circumstances within the vicinity of the proposal since the time concurrence was initially given. Such an approach has been adopted by other municipalities (most recently the City of Sudbury) in recognition of the saving in staff resources that will result.

Clarifications

There are several areas where the wireless carriers seek clarification with respect to the interpretation of the Protocol. These are as follows:

- In Section 4.1, the Protocol recites the ISEDC exemptions and the requirement to consult with Vaughan. In exemption number 2, the draft addresses the 25% exemption and then adds “any subsequent modifications or additions to the same structure will be subject to the consultation process, as applicable”. This language seems to suggest that a second modification would be the subject of consultation. Under the CPC, this is not the case since repeated modifications to the site are permitted provided the 25% height limit based on the existing structure is respected. As a practical matter, we can report that sites are constantly being modified to address the dynamic nature of wireless networks. Antennas are repeatedly repositioned or replaced with more suitable antennas for example. We suggest that this sentence be deleted or amended to clarify its intention.
- In Section 5.4 Development Guidelines, paragraphs 1 and 2 require that providers conduct preliminary radio frequency reports to ensure that the intended services do not interfere with the City’s pre-existing wireless services. As well, proponents are required to provide technical specifications of all radio equipment to be used on the site, including updates as installations are modified. It is unclear what purpose is served by these policies. Industry Canada already requires that new facilities not interfere with existing ones through its radio immunity requirements. In addition, the technical information concerning a site is well and above the information required for concurrence and is beyond the municipality’s expertise to analyse. Its disclosure further represents a risk to the wireless carriers if the information is inadvertently released by Freedom of Information, hacking or otherwise since a facility may become compromised if its technical details are known. We believe that these requirements should be clarified to focus on the specific purpose or be deleted.

Conclusion

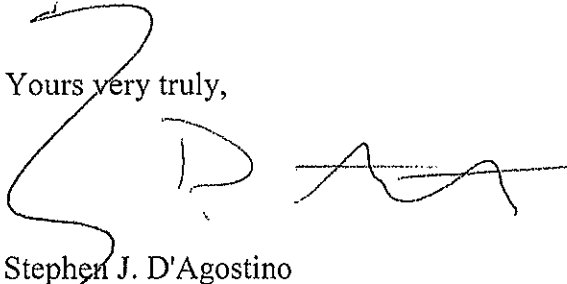
We trust that these comments are useful in Council’s deliberations leading to a protocol that meets the need of all stakeholders. To that end, the undersigned will be present at the

THOMSON
ROGERS

80 years

Committee of the Whole meeting in order to clarify these comments and answer questions as required.

Yours very truly,

A handwritten signature in black ink, appearing to read 'S. D. Agostino', written over a horizontal line.

Stephen J. D'Agostino

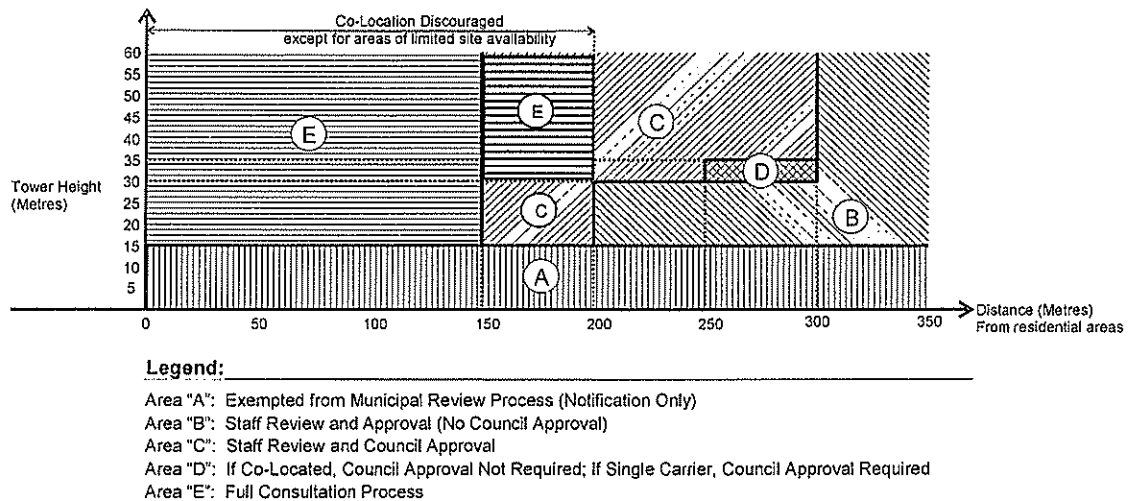
Stephen Joseph D'Agostino Law Professional Corporation

SJD/aph

cc: Ms. Carmela Marrelli, Senior Planner
Mr. Grant Uyeyama, Director of Development Planning

- ii. Amateur radio telecommunications towers, provided they are for personal use only, set back from the respective yards in accordance with the applicable zoning by-law and that the antenna is less than 15 metres in height.
- c) Vaughan Specific Exemptions from the Requirement to Consult with Council and/or the Public In Accordance With the Chart Below.

Schedule 1: Telecommunication application review process; modified review procedures to encourage Proponents to voluntarily select sites away from residential areas



Explanatory Notes for Schedule 1:

- a) With respect to proposals meeting the requirements of Area "A", as per Schedule 1 above, proposals with a height of less than 15 metres are exempted from the municipal application review process. However, the submission of a notification to inform the City of a new installation is requested;
- b) With respect to proposals meeting the requirements of Area "B", as per Schedule 1 above, proposals are recommended to be exempt from Council approval and public notification. Applications would be reviewed and granted concurrence/non-concurrence by City staff if:
 - i. a telecommunication tower is between 15 and 30 metres in height, and is located at a distance between 200 and 300 metres from residential areas; or
 - ii. a telecommunication tower height is equal to or higher than 15 metres and is installed farther than 300 metres from residential areas;



VAUGHAN

c11
Communication
COUNCIL: Sept 20/16
CW Rpt. No. 31 Item 2

DATE: SEPTEMBER 19, 2016

TO: HONOURABLE MAYOR AND MEMBERS OF COUNCIL

FROM: GRANT UYEYAMA, DIRECTOR OF DEVELOPMENT PLANNING

RE: COMMUNICATION - COUNCIL MEETING - SEPTEMBER 20, 2016

ITEM #2, REPORT #31 - COMMITTEE OF THE WHOLE - SEPTEMBER 7, 2016

CITY OF VAUGHAN - TELECOMMUNICATION FACILITY SITING PROTOCOL
(TELECOMMUNICATION ANTENNA SYSTEMS THAT INCLUDE FREE-STANDING
TOWERS AND BUILDING/STRUCTURE MOUNTED ANTENNAS)
ALL WARDS – CITY WIDE

Recommendation

The Director of Development Planning recommends:

1. THAT consideration of Item #2, Report #31 of the Vaughan Committee of the Whole (City of Vaughan - Telecommunication Facility Siting Protocol) be DEFERRED to the Council Meeting of October 19, 2016, to allow further consultation between the Development Planning Department and the Wireless Carriers to address outstanding matters related to the letter received by the City Clerk's office on September 7, 2016 from Stephen J. D'Agostino, Thomson Rogers Lawyers.

Background

On September 7, 2016, the Committee of the Whole resolved the following motion with respect to Item #2, Report #31 (City of Vaughan - Telecommunication Facility Siting Protocol):

- 1) That consideration of this matter be deferred to the Council Meeting of September 20, 2016, to allow further consultation; and,
- 2) That the deputation of Mr. Stephen D'Agostino, Thomson Rogers, Bay Street, Toronto, and Communication C13, dated September 6, 2016, be received.

On September 7, 2016, the City Clerk's Office received a letter dated September 6, 2016 from Stephen J. D'Agostino of Thomson Rogers Lawyers, who represent Bell, TELUS and Rogers Communications; the three major wireless carriers operating in Canada ("Wireless Carriers"). Mr. D'Agostino's letter indicates that the Wireless Carriers generally support the new City of Vaughan Telecommunication Facility Siting Protocol ("Protocol") and the Vaughan Development Planning Department's recommendation to this effect, and believe that the new Protocol will reduce the prospect of controversy and land use conflict, while furthering the development of each Wireless Carriers' network.

The letter also identifies areas of concern with regards to the Protocol, mostly related to its implementation of changes to the Innovation, Science and Economic Development Canada's ("ISED",

formerly known as Industry Canada) Client Procedures Circular for Radiocommunication and Broadcasting Antennas Systems ("CPC-2-0-03"), which were outlined in the Telecommunications Facility Siting Task Force Findings Report - Staff Review and Response, adopted by Vaughan Council on June 24, 2014. The changes to CPC-2-0-03 came into effect on July 15, 2014.

Since the September 7, 2016 Committee of the Whole Meeting, Development Planning staff has been working with Mr. D'agostino and the Wireless Carriers to address their concerns. One issue with respect to the relocation of new antenna systems within a new Block Plan area remains outstanding, and requires additional time for the Development Planning Department to meet with the Wireless Carriers and Mr. D'agostino on this matter. On this basis, the Development Planning Department requests that this item be deferred to the next Council Meeting to allow these meetings to occur.

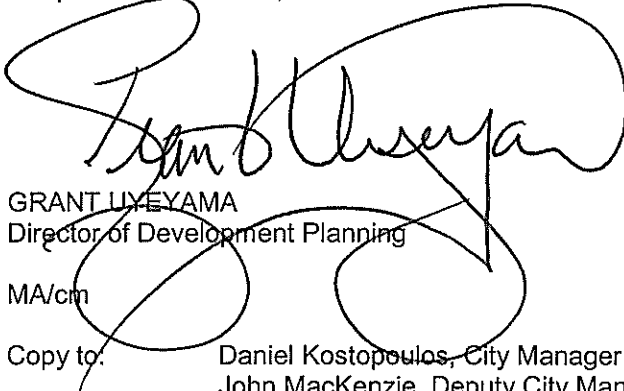
Communications Plan

On August 17, 2016, Vaughan Development Planning staff notified the members of the Task Force and known telecommunications industry professionals of this report proceeding to the September 7, 2016 meeting of the Committee of the Whole. Vaughan Council's decision in this matter, and a copy of the staff report, will be communicated to the Task Force members. On September 19, 2016, Development Planning staff also notified the Task Force members of the request to defer this item to the October 19, 2016 Council Meeting. The final Protocol, should it be approved by Council, will be made available on the City's website, and to known telecommunications companies that the City regularly works with.

Conclusion

The Development Planning Department is requesting that the City of Vaughan Telecommunication Facility Siting Protocol be deferred to the Council Meeting of October 19, 2016, to allow further consultation between the Development Planning Department and the Wireless Carriers, to discuss concerns related to policies for new antenna systems within a Block Plan area. Accordingly, should Vaughan Council concur, the Development Planning Department will bring forward a communication outlining the proposed changes to the Protocol at the October 19, 2016 Council Meeting.

Respectfully submitted,



GRANT UNEYAMA
Director of Development Planning

MA/cm

Copy to: Daniel Kostopoulos, City Manager
John MacKenzie, Deputy City Manager, Planning and Growth Management
Jeffrey A. Abrams, City Clerk