

PUBLIC COMMENT SHEET

Prepared: July 18, 2023
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Proposed Telecommunication Facility Application
Landsquaired on behalf of Shared Tower Inc.
13947 Hurontario Street
File Number: SPA 2022-0034T

Question / Comments	Responses from Applicant
There is a huge need for this tower in the area.	Comment received.
Focus and emphasis should be made to upgrade towers in existing locations instead of adding new tower locations and increasing the number of these unsightly landmarks.	Regarding the visual impact of the tower, STC believes these proposed tower styles, combined with the screening of the base of the tower provided by the fencing, will help to minimize the visual impact of the tower.
The towers are not in character with the landscape of Caledon and are considered to be unsightly and adversely affect property valuations and uses	According to ISED CPC-2-0-03 Radiocommunication and Broadcasting Antenna Systems, concerns that are not relevant include the potential effects that a proposed antenna system will have on property values or municipal taxes.
There is no planning with the location of many of these towers scattered across farmlands, in urban and rural areas and there is no increase in service quality with an increase in towers.	<p>In the recent past, due to subscriber feedback and other data factors such as dropped calls or quality of calls, we have become aware of coverage deficiencies in the surrounding area. A survey of this area identified a proposed site that will achieve the necessary engineering coverage objectives for the telecommunication network.</p> <p>The siting of tower locations is dependent on a number of factors. Among the factors considered are:</p> <ul style="list-style-type: none"> • expected usage patterns of service and proximity to users • local topography and building types - interaction with existing and future sites

	<ul style="list-style-type: none"> • line-of-sight requirements for high quality communications • opportunities to use existing structures • availability of a willing Landlord • the industry's commitment to high service standards and customer satisfaction
<p>An increase in cell towers does not solve the problem of better service in Caledon. Better services, particularly internet, has long been an issue plaguing Caledon residents and previous Mayor Allan Thompson made access to better internet in Caledon a campaign platform promise. Resources should be invested and allocated to installing hard-wired broadband services and fiber optics to ensure proper and affordable internet access for all Caledon residents. Due to the varying geographic nature of Caledon (hills, valleys, forests) many residents still cannot properly gain access to wireless tower based internet and in 2022 internet is an essential service. Erecting more towers will not solve this problem.</p>	<p>The cell network is an intricate puzzle and if the site were to be put too far away from the search area, there would be the following issues:</p> <ul style="list-style-type: none"> • area(s) of coverage overlap • area(s) with poor coverage • the requirement for the additional tower(s) <p>As a result, this location meets the carrier's requirements for coverage in the area, while also providing enough buffer area to be away from any sensitive land uses. Coverage is dependent on the type of provider.</p> <p>Towers complement internet services. Today, wireless technology is responsible for delivering much relied-upon communications services such as;</p> <ul style="list-style-type: none"> • Agricultural Equipment (GPS capabilities and farm applications in the field) • Internet of Things (IofT) (occurs between internet-enabled devices and systems) • cellphones, tablets, or a smart car all talking to each other) • EMS Response - Police & Fire Response • Voice (Cellular phone, Conferencing) • Data (Text, E-mail) • Internet Service (Web-browsing)

	<ul style="list-style-type: none"> • Paging • Video Streaming
Consideration should be given to adding towers/antennas to existing silos/tall structures to better utilize space and decrease stand-alone towers for optics and land use reasons.	<p>There are no existing structures available in the immediate vicinity of the proposed tower to provide a co-location alternative to a new tower</p> <p>Alternative locations in the area have been considered (ie apartments, water towers (Region of Peel), silos, barns), however, the proposed location meets the carrier's requirements for coverage, while still being sufficiently setback away from sensitive land uses.</p>
The proposed site is located in an area being utilized as residential. Regardless that zoning is commercial the CURRENT primary use is residential.	Zoning does not apply to towers as they are federally regulated.
<p>What are the health risks? There are concerns.</p> <p>There will be radiation coming off the tower.</p>	<p>The safety of tower sites is governed by Health Canada's Safety Code 6 directive. Safety Code 6 specifies the safe limits of radio frequency transmissions and all wireless operators are required as a condition of their license to comply with these limits. Safety Code 6 is based on an extensive review of the available scientific research on radio frequency and its impact on human health, and the limits have been set approximately 50 times below the point at which any observed health effects. In all cases, the actual radio frequency transmission levels are much lower than the allowable limits, providing for an even greater margin of safety.</p> <p>All STC facilities are fully compliant with safety requirements established by Innovation, Science and Economic Development (ISED) Canada (formally Industry Canada) and Health Canada and, in particular, Health</p>

	<p>Canada's Safety Code 6, which sets the limit for safe exposure to radiofrequency (RF) fields at home and at work. All wireless telecommunications towers and equipment are required to meet the limits set out in Safety Code 6. This means that for each tower or antenna STC installs, they must calculate and prove to ISED that the cumulative power density of it and any adjacent sites is within the allowable Safety Code 6 limits.</p> <p>Strict adherence to Safety Code 6 is a condition of ISED license for all wireless carriers in Canada. If a proposed tower site does not meet the Safety Code 6 limits, it cannot be constructed or placed into services.</p> <p>STC attests that the proposed tower will comply with the Safety Code 6 limits, including when taking into account the combined effects of other nearby towers and antennas.</p>
There is an airport close by.	The tower will receive clearance from NAV Canada and Transport Canada. Transport Canada will confirm if lighting or other aviation marking is required.
Will there be lights?	Paint colour and lighting are subject to Nav Canada and Transport Canada requirements. The tower will receive clearance from NAV Canada and Transport Canada. Transport Canada will confirm if lighting or other aviation marking is required.
Will there be noise from the tower?	There is no noise that comes from the tower.
A tower also brings increased risks for lighting strikes that we have already been a victim of in the past and do not want to build on this issue in the area.	Towers are built with extensive lightning protection and equipment. There is a lightning rod at the top of the tower that is connected through the structure to a ground ring that is buried, dissipating the strike. It is a standard component of tower design.

There are large gas storage tanks buried on the same side as the location of the proposed tower and I have concerns about the close proximity as to the safety and potential accidents occurring with refueling the tanks as well as potential tank leakage, etc.	<p>The proposed tower will not interfere with the operation of the gas station.</p> <p>Only small service vehicles are required to attend the site 1-2 per year.</p>
Provide a copy of the site plan to confirm the location of fencing	A copy of the site plan was provided.
This will impact storm water and cause flooding.	<p>A copy of the ESC was provided.</p> <p>The site will maintain its own stormwater.</p> <p>STC attests that the telecommunications structure as proposed for this site will be constructed in compliance with the Canadian Standard Association (CSA), and comply with good engineering practices, including structural adequacy.</p>
The surrounding residences may be using well water and private sewage systems that may be impacted by the construction of such a structure	STC attests that the telecommunications structure as proposed for this site will be constructed in compliance with the Canadian Standard Association (CSA), and comply with good engineering practices, including structural adequacy.
<p>I (or my tenants) did not receive the notice in the mail.</p> <p>The sign should have had a different photo simulation picture.</p>	<p>The notice which was mailed out met the requirements set out by the Town of Caledon Telecommunication Protocol and was approved by Planning Staff.</p> <p>The notification radius was provided by the Town as well.</p> <p>The addresses questioned were confirmed to be on the mailing list.</p> <p>The sign met the requirements set out by the Town of Caledon Telecommunication Protocol and was approved by Planning Staff.</p>

Was MTO consulted as the site is on a major highway?	The Ministry of Transportation (MTO) has been circulated by the Planning Dept, and no comments have been received.
There are more residential dwellings being planned for the area.	<p>The proposed tower will provide coverage to existing and future customers.</p> <p>Areas designated for Employment and Residential growth were identified by the Region of Peel through their Settlement Area Boundary Expansion which plans growth until 2051. This mapping was included in the Region of Peel Official Plan which was adopted on April 28th, 2022.</p>
The tower is too close to homes.	There are no required minimum setbacks for towers.