



New Public Safety Radio Communications Tower

13 Coleman Street, Ameliasburgh, ON
(44°03'34.07"N 77°25'58.56"W)



August 19, 2026

Prince Edward County Fire and Rescue is upgrading its radio communications infrastructure to improve emergency communications across the municipality.

The existing communications system experiences areas of reduced radio coverage that can affect firefighter paging, portable radio communications and operational coordination.

The proposed communications tower, which is not a cell phone tower, will strengthen radio reliability for emergency responders and improve communications during:

- Structure fires
- Wildland fires
- Motor vehicle collisions
- Medical first response
- Technical rescues
- Mutual aid responses
- Firefighter training exercises

Why this location?

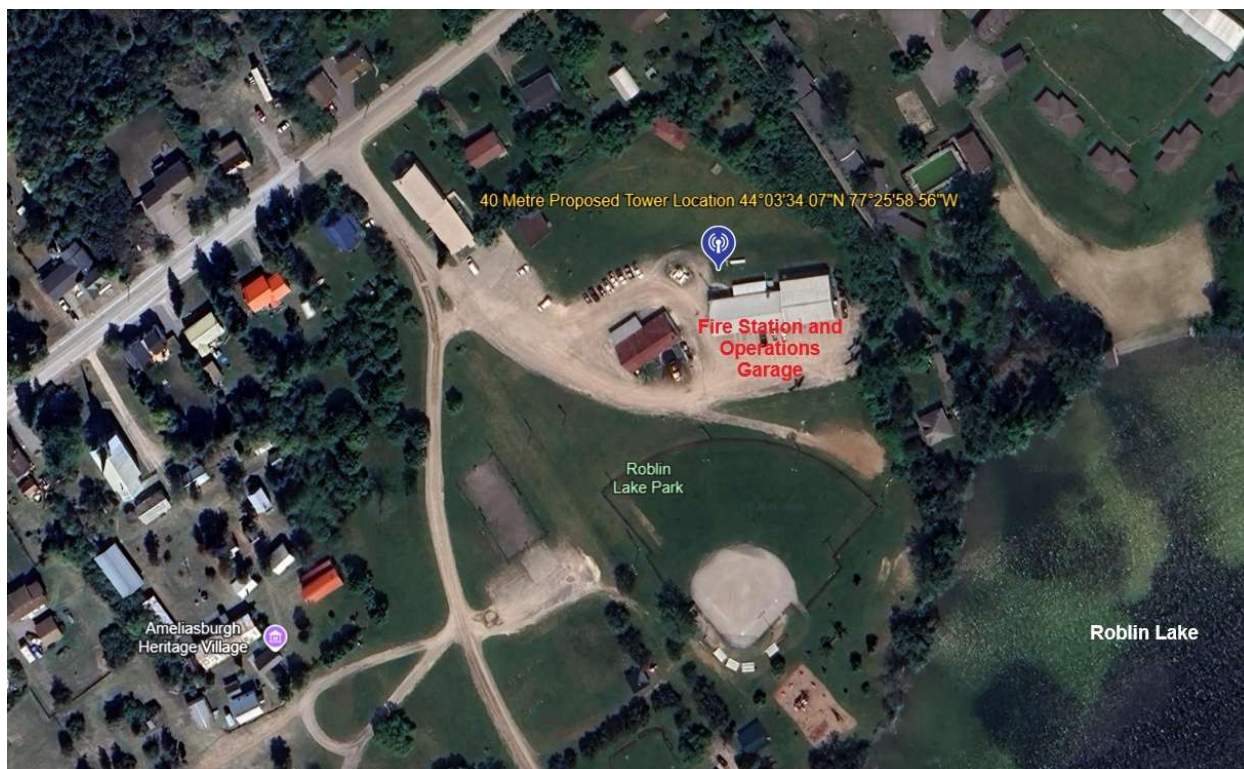
The proposed site has been selected because it:

- Is municipally owned
- Will improve radio system operation in the areas of Consecon, Carrying Place, Ameliasburgh and Rossmore to satisfy technical requirements
- Provides safe access for servicing
- Has existing municipal services nearby

Project Details

The project includes:

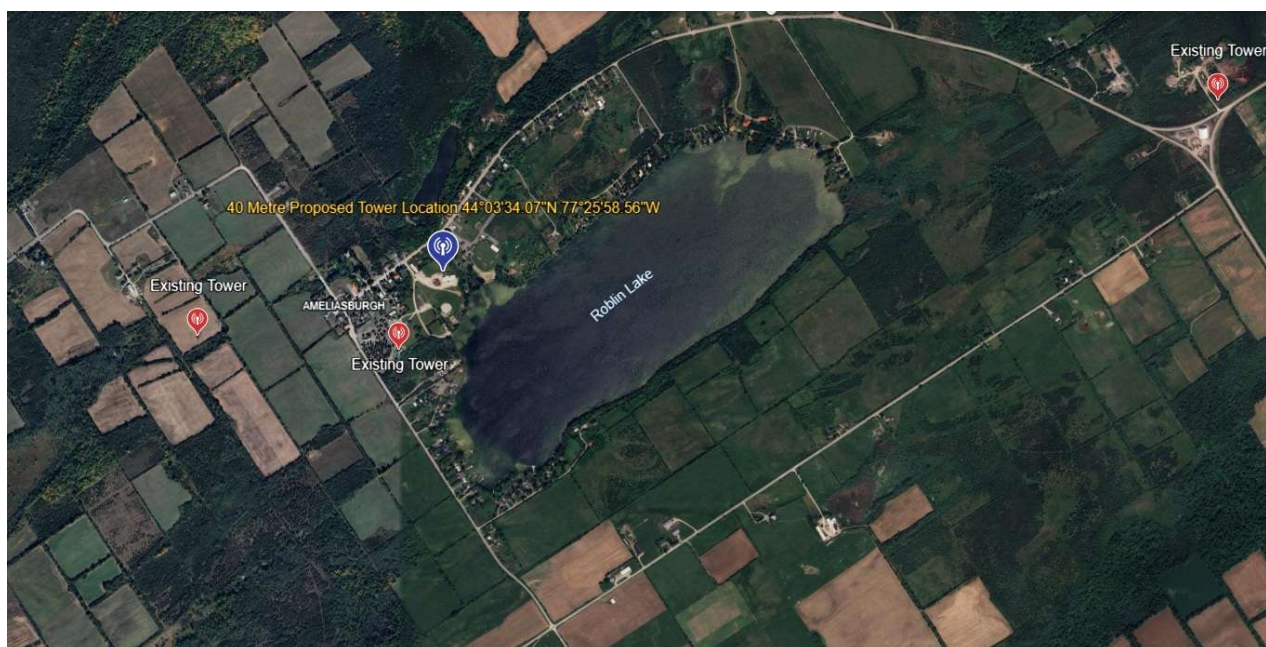
- 40-metre self-supporting tower and tower base
- Radio antennas
- Underground cabling between tower and demarcation point
- Lightning protection system
- Anti-climb protection



Proposed Tower Location overhead View

Co-Location on Existing Towers

Existing towers located on the property of 13 Coleman Street, 6 County Road 19 and 691 County Road 19 were considered for co-location of new radio communications equipment. The existing tower locations do not satisfy the technical requirements of the public safety radio communications network.



Existing telecommunications sites (red marker) close to the proposed tower (blue marker)

Public Health and Safety

All radio equipment installed on the tower will comply with Health Canada's Safety Code 6. Safety Code 6 is a document that sets out recommended safety limits for human exposure to radiofrequency electromagnetic fields (EMF) in the frequency range from 3 kHz to 300 GHz.

Compliance with Safety Code 6 is mandatory under ISED regulations before the system can become operational.

Structural Safety

The tower will be designed by professional engineers licensed in Ontario and constructed in accordance with:

- Canadian Standards Association requirements
- Applicable structural engineering standards
- ISED requirements
- Transport Canada and NAV CANADA requirements

Authorities Having Jurisdiction

Consultation with Nav Canada and Transport Canada has been completed.

- Nav Canada has determined that the proposed tower will not interfere with local aeronautical traffic reporting no objection to the project.
- Transport Canada has determined that the proposed tower does not require obstacle avoidance markings or lighting and has no objection to the project. As a result, the tower will not be equipped with painted markings or lighting such as red beacons or strobe lights.
- Innovation, Science and Economic Development Canada (ISED) - Approver
- The Corporation of the County of Prince Edward - Land User Having Authority

Innovation, Science and Economic Development Canada (ISED) is responsible for the approval of this antenna system and requires Prince Edward County Fire and Rescue, to review this proposal with the public and local municipality. After reviewing this proposal, Prince Edward County will provide its position to Innovation, Science and Economic Development Canada and Prince Edward County Fire and Rescue. ISED can be contacted at:

ISED – Eastern and Northern Ontario District Office
2 Queen Street East
Sault Ste. Marie ON P6A 1Y3
Tel: 1-855-465-6307
Fax: 705-941-4607
Email: SpectrumENOD-SpectreDENO@ised-isde.gc.ca

General information on wireless infrastructure: <http://www.ic.gc.ca/towers> Public Consultation

Prince Edward County Fire & Rescue invites you, within 30 calendar days of the date of this notice, to provide by e-mail or letter your comments, and / or requests to be informed of the County's position on the proposed tower installation. Please contact by end of day September 18, 2026 and please reference the Ameliasburgh Public Safety Radio Communications Tower in your correspondence:

Tim Kraemer
Deputy Fire Chief The Corporation of the County of Prince Edward
8 McDonald Drive
Picton, ON
K0K 2T0
613-476-2148 ext. 3052
tkraemer@pecounty.on.ca

Comments should include:

- your name
- address
- contact information
- comments or questions regarding the proposal

Deputy Fire Chief Tim Kraemer will respond to all reasonable and relevant concerns, and the County will be taking into account comments from the public and the proponent's response to each, when providing its position to the proponent and Innovation, Science and Economic Development Canada.

Local Land Use Requirements

Radio-communication tower/antenna systems are exclusively regulated by Federal legislation under the Radio-communication Act and administered by ISEDC. Therefore, Provincial legislation such as the Planning Act, including zoning by-laws, do not apply to these facilities. It is important to understand that ISEDC mandates proponents follow the PD 320 Location of Communication Towers Policy provided by Prince Edward County

Environmental Considerations

Construction activities will comply with all applicable federal, provincial and municipal environmental requirements.

Frequently Asked Questions (FAQ)

1. Why is a new communications tower needed?

Prince Edward County Fire and Rescue relies on radio communications to dispatch firefighters, coordinate emergency responses, and maintain communications between personnel operating at emergency incidents.

Testing and operational experience have identified areas within the municipality where radio coverage is reduced or unreliable due to terrain, distance, vegetation, and existing infrastructure limitations.

The proposed communications tower will improve radio reliability and help ensure firefighters can communicate effectively during emergencies, improving both firefighter safety and service to the community.

2. What will the tower be used for?

The primary purpose of the tower is to support municipal public safety communications used by Prince Edward County Fire and Rescue.

The tower will support:

- Firefighter paging
- Portable and mobile two-way radio communications
- Incident command communications
- Mutual aid responses
- Firefighter training exercises
- Emergency management operations
- Disaster response communications

The tower is being constructed to improve emergency communications and enhance public safety throughout Prince Edward County.

3. Is this a cellular telephone tower?

No.

The proposed tower is being constructed primarily to support municipal public safety radio communications.

The infrastructure is intended to improve communications used by emergency responders.

Should additional space become available in the future, the tower may be designed to accommodate other government or public-sector communications equipment. Any future commercial telecommunications use would be subject to applicable agreements and federal regulatory requirements.

4. Why was this location selected?

Several factors were considered during the site selection process, including:

- Radio coverage performance technical requirements
- Existing municipal ownership
- Access for construction and maintenance
- Availability of electrical service
- Public safety requirements
- Environmental considerations
- Compatibility with surrounding land uses

The selected location provides the best balance between technical performance and minimizing impacts on surrounding properties.

5. Were alternative locations considered?

Yes.

Multiple potential locations were evaluated during the planning process. Each candidate site was assessed based on:

- Radio coverage modelling
- Structural feasibility
- Property ownership
- Accessibility
- Environmental constraints
- Construction costs
- Long-term operational requirements

The proposed municipal property was determined to provide the most effective and practical solution for achieving the project's public safety objectives.

6. How tall will the tower be?

The proposed communications tower will be approximately **40 metres (131 feet)** in height. The tower will be equipped with a top mounted VHF antenna measuring approximately 6 metres above the top of the tower for an overall total height of 46 metres.

7. What type of tower will be constructed?

The project proposes a **self-supporting communications tower**.

Unlike guyed towers, a self-supporting tower does not require support wires extending away from the structure and the tower footprint is relatively small.

8. Will the tower require flashing lights?

No

Transport Canada has reviewed the proposed structure and determined that aviation obstacle avoidance lighting and markings are not required.

9. Will the tower make noise?

No, during normal operation, the communications equipment operates quietly and produces no noise.

Occasionally, an emergency standby generator may operate:

- during scheduled maintenance testing
- during commercial power outages

Generator operation is expected to occur infrequently and only for limited durations.

10. Is radio frequency energy safe?

Yes.

All radio equipment installed on the tower must comply with **Health Canada's Safety Code 6**, which establishes limits for safe public exposure to radio frequency electromagnetic energy.

Compliance with Safety Code 6 is mandatory under federal regulations administered by Innovation, Science and Economic Development Canada (ISED).

11. Will the tower interfere with television, Wi-Fi or cellular service?

Properly designed and licensed radio systems are engineered to minimize interference with other communications systems.

The proposed installation will operate within frequencies licensed and regulated by ISED.

Should interference issues ever arise, they will be investigated and addressed in accordance with applicable regulatory requirements.

12. Will construction affect nearby residents?

Construction activities are expected to occur over several weeks.

Residents may notice:

- construction vehicles
- excavation equipment
- delivery trucks
- crane operations during tower erection

Construction activities will generally occur during normal daytime working hours. Temporary construction-related impacts will be minimized wherever practical.

13. Will trees be removed?

No.

Only vegetation necessary to safely construct and maintain the communications facility will be removed.

Every effort will be made to preserve existing natural features while maintaining safe access to the tower.

Any disturbed areas will be restored following construction.

14. Will the tower affect property values?

Innovation, Science and Economic Development Canada (ISED) does not regulate property values.

Numerous studies have examined this issue, and results vary depending on local market conditions and individual circumstances.

The purpose of this project is to improve emergency communications that directly support firefighter safety and emergency response within the community.

15. How will the tower be protected to prevent unauthorized access?

The tower will include anti-climb protection to prevent unauthorized access.

16. Will this tower improve emergency response?

Yes.

Reliable communications are one of the most important components of emergency response.

Improved radio coverage will help firefighters:

- communicate more effectively
- coordinate emergency operations
- improve responder safety
- reduce communication dead zones
- support mutual aid operations
- improve overall emergency service delivery

17. Who regulates communications towers?

Radiocommunication towers are regulated by the Government of Canada through:

Innovation, Science and Economic Development Canada (ISED)

Municipalities participate through local consultation processes established by ISED but do not issue planning approvals for communications towers under the *Ontario Planning Act*.

All reasonable and relevant comments received during the consultation period will receive a written response.

The municipality appreciates the participation of residents throughout the consultation process and is committed to providing clear, transparent information regarding this important public safety infrastructure project.



Radio Tower Map

Pre-Construction views vs Post Construction views (conceptuel images)



Intersection of Whitney Road and County Road 19 (pre-construction)



View from Intersection of Whitney Road and County Road 19 (conceptual image post construction)



View from 799 Whitney Road (pre-construction)



View from 799 Whitney Road (conceptual image, post construction)



View from 467 County Road 19 Ignite Camp (pre-construction)



View from 467 County Road 19 Ignite Camp (conceptual image, post construction)