



**Special Council Meeting**  
**Wednesday, June 23, 2021 –5:00 p.m.**  
Meeting to be held in Virtual Electronic Format,  
and live streamed on the County of Frontenac's YouTube  
Channel  
<https://youtu.be/fEMu8JCLD-s>

---

## **AGENDA**

Page

### **Call to Order**

### **Disclosure of Pecuniary Interest and General Nature Thereof**

### **Eastern Ontario Regional Network Cell Gap Coverage Project**

- 2 - 37**
- a) **Ms. Lisa Severson**, EORN Communications/Stakeholder Relations Officer, and **Rogers Communications** will provide all Member Councils with a presentation and update on the EORN Cell Gap Coverage project.

### **Public Question Period**

### **By-Laws – General By-laws and Confirmatory By-law**

- a) First and Second Reading  
**Resolved That** leave be given the mover to introduce by-law a) that has been circulated to all Members of County Council and that by-law a) be read a first and second time.
- b) Third Reading  
**Resolved That** by-law a) be read a third time, signed, sealed and finally passed.

### **By-Laws**

- 38 - 39**
- To confirm all actions and proceedings of County Council on  
June 23, 2021  
[Proposed By-law No. 2021-0023]

### **Adjournment**

# EORN Update

The County of Frontenac

June 23, 2021



**EORN**

EASTERN ONTARIO  
REGIONAL NETWORK

**AGENDA ITEM #a)**

# Agenda

1. EORN Gig Project
2. Current funding streams
3. EORN Cell Gap Project
4. Questions



# EORN Gig Project



**EORN**

EASTERN ONTARIO  
REGIONAL NETWORK

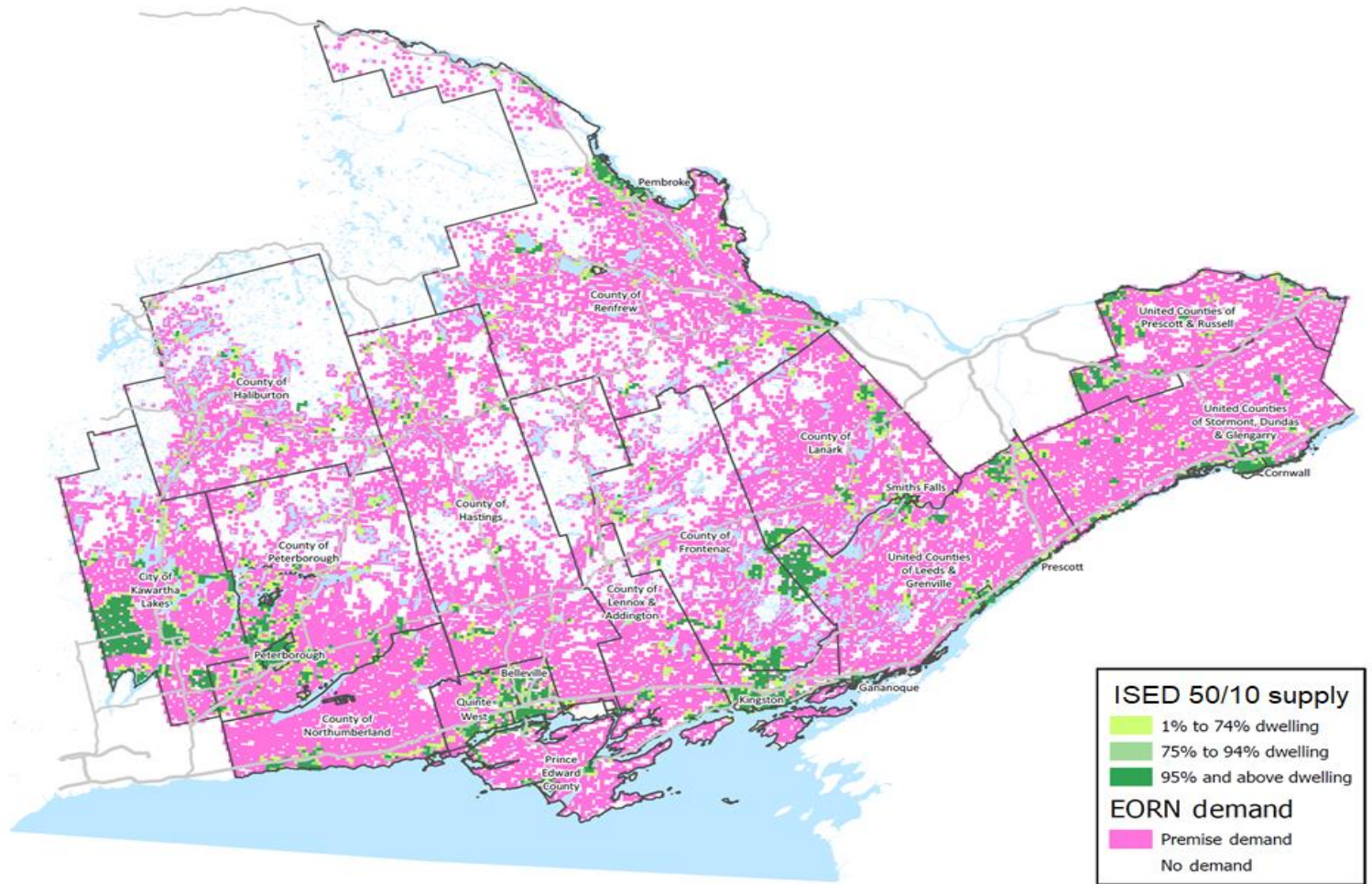
**AGENDA ITEM #a)**

# What is the EORN Gig Project?

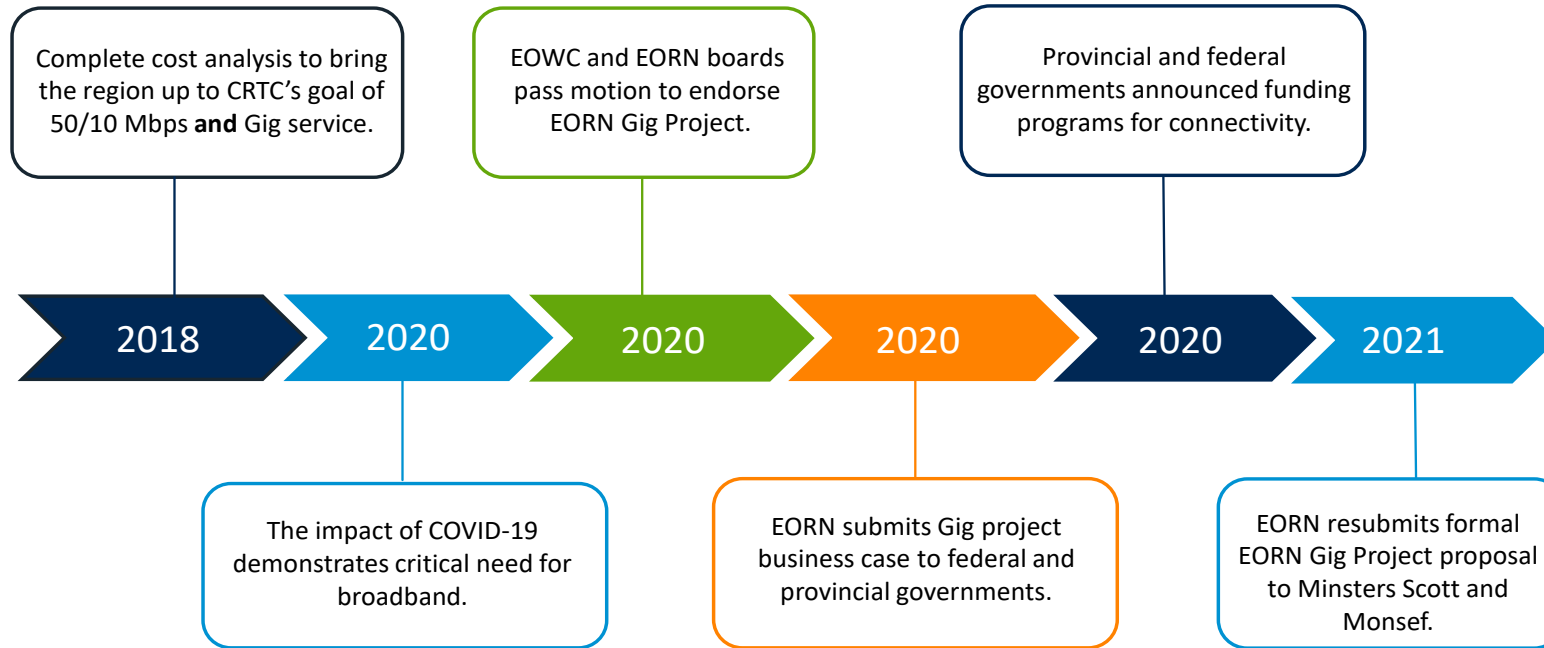
- EORN lead public-private partnership (PPP) that would deliver 1 Gig or up to 1,000 megabits of speed to 95% of demand area
- Use fibre optic cable or equivalent cable to connect over 540,000 homes, businesses, institutions and seasonal properties (wired solution)
- Would deliver 20 times the Canadian Radio-television and Telecommunications Commission (CRTC) basic minimum level of service (50 Mbps down, 10 Mbps up)
- Future proof and a fix for a generation
- Eastern Ontario has over 30% of all unserved and underserved premises (more than 220,000)



# EORN Gig Demand Area



# EORN Proposed Gig Project Timeline



Estimated cost for the EORN Gig Project is between \$1.2 billion and \$1.6 billion



3 years



# Impacts of a Gig Project

As part of our efforts to illustrate why the EORN Gig Project represents such a ‘game changing’ opportunity for eastern Ontario and beyond, EORN commissioned two independent, well-respected academics to undertake detailed analysis of:

- The economic impacts.
- Increasing returns, productivity, externalities and monitoring.
- The return to governments on their financial contributions to the project.
- The economic benefits of investing in basic vs. Gigabit broadband infrastructure.

## Examples of potential

- Generate between 9,683 and 16,138 job equivalents over five years.
- Create between \$432 million and \$720 million in employment earnings over five years.
- \$20 million annually in new property tax revenues.
- Property values increase by about 7%.
- Return to governments their investments of \$400 million in five years.
- \$561 million in new tax revenues over those same five years.



# Funding the Project

- \$200 million from Canada
- \$200 million from Ontario
- \$400 million from Infrastructure Bank of Canada
- \$400 million from private sector

---

**\$1.2 billion**

\$400 million (Canada and Ontario) = 5.7% of total available \$7 billion



# Current Funding Streams



**EORN**

EASTERN ONTARIO  
REGIONAL NETWORK

**AGENDA ITEM #a)**

# Current Connectivity Funding Programs

## Provincial funding streams

### Improving Connectivity for Ontario (ICON)

- \$150 million announced June 3, 2020 with first application intake closing August 24, 2020. Second application closed January 28, 2021.
- An additional \$150 million was announced for the fund on November 4, 2020.
- Municipalities are eligible to apply but must have a telecommunication service provider as a partner.
- EORN has not applied to ICON.

### Other provincial funding

- On November 4, 2020 the provincial government announced \$680 million dollars towards improving connectivity. \$150 million of the \$680 million was added to the ICON funding stream.
- The remaining \$530 million have yet to be allocated.
- On March 24, 2021 the Ontario budget announced an additional \$2.8 billion for connectivity.



# Current Connectivity Funding Programs

## Federal funding streams

### Universal Broadband Funding (UBF)

- \$1.75 billion program announced November 9, 2020 with three streams for services with minimum speeds of 50/10 Mbps.
  - Up to \$750 million for large impact projects.
  - Up to \$50 million for mobile projects, primarily for Indigenous peoples.
  - Up to \$150 for a Rapid Response Stream.
    - Aware of one project announced in the Lanark County area.
- An additional \$1 billion announced on April 19, 2021 in the federal budget for the UBF program.



# EORN Cell Gap Project

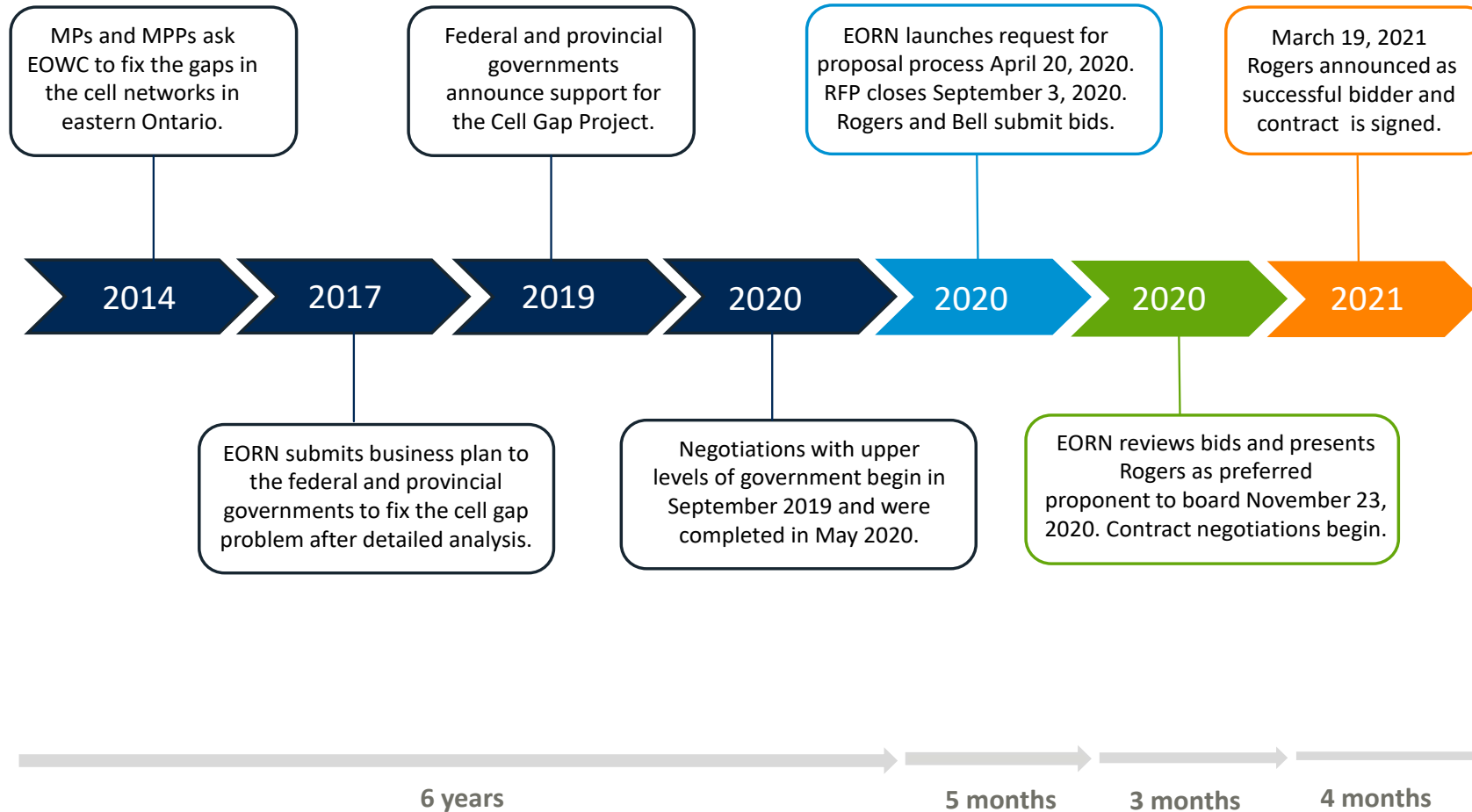


**EORN**

EASTERN ONTARIO  
REGIONAL NETWORK

**AGENDA ITEM #a)**

# Cell Gap Project Timeline



# EORN Cell Gap Project Goals

- Achieve **99% coverage** in the eastern Ontario region where people live, work and travel on major roadways so that they can make and receive cell phone calls.
- Achieve **95% coverage** in the eastern Ontario region where people live, work and travel on major roadways with standard definition service level which can support email, web browsing and social media services.
- Achieve **85% coverage** in the eastern Ontario region where people live, work and travel on major roadways with high-definition service level which can support video conferencing, movie streaming and other more data intensive applications.



# The Project

- Approximately 300 existing sites will be upgraded to 5G.
- Approximately 300 new 5G sites will be built over the next five years.
- Work on upgrading existing towers will commence this spring.
- All work is scheduled to be done by 2025.
- Will meet or exceed coverage goals for the project.
- Service level agreements in place for five years post construction to ensure capacity maintained.



# Technology – Towers and Radios

## Towers

- Approximately 300 new sites to be constructed over length of project.
  - Will include new construction and co-locations on other carrier towers where applicable.
- Approximately 300 existing sites will be upgraded with new 5G equipment.
  - Approximately 80 are towers where there are co-locations with other companies.
- Towers will generally be 90 meters.
- Land acquisition by Rogers for tower sites has begun by Rogers team throughout the region.

## Radios

- Ericsson is the primary supplier of radio equipment.
- Immediately supports both 4G and 5G. Having both 4G and 5G capability allows for incremental capacity on sites, and future-proofs today’s network for tomorrow.

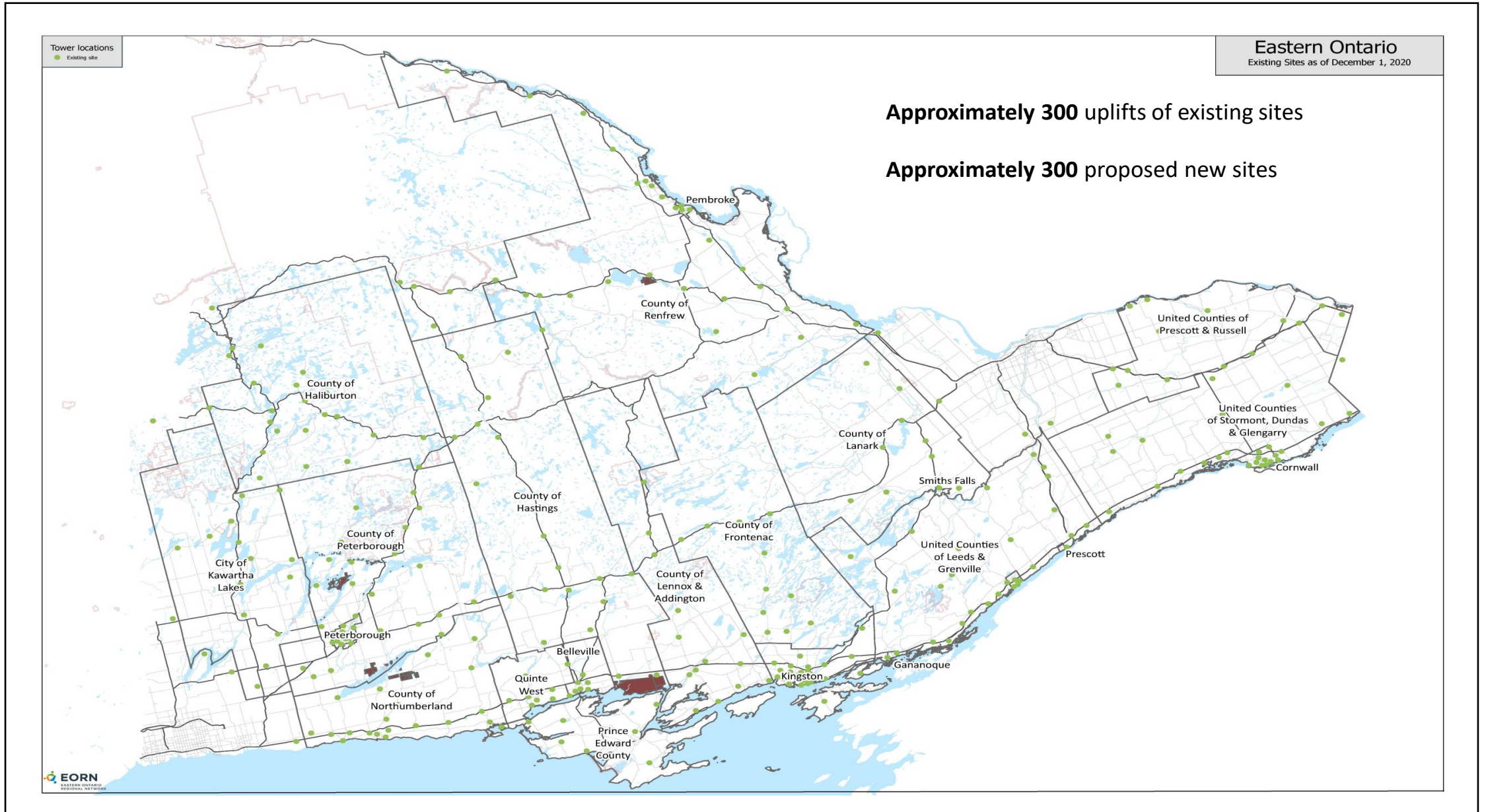


# Financial Breakdown

Federal government	\$71 million
Provincial government	\$71 million
EOWC/EOMC	\$10 million
Rogers	\$150 million plus

- Over \$300 million dollar investment in eastern Ontario before in-kind contribution or community benefits included.
- EORN administration costs are projected to be approximately 6%.

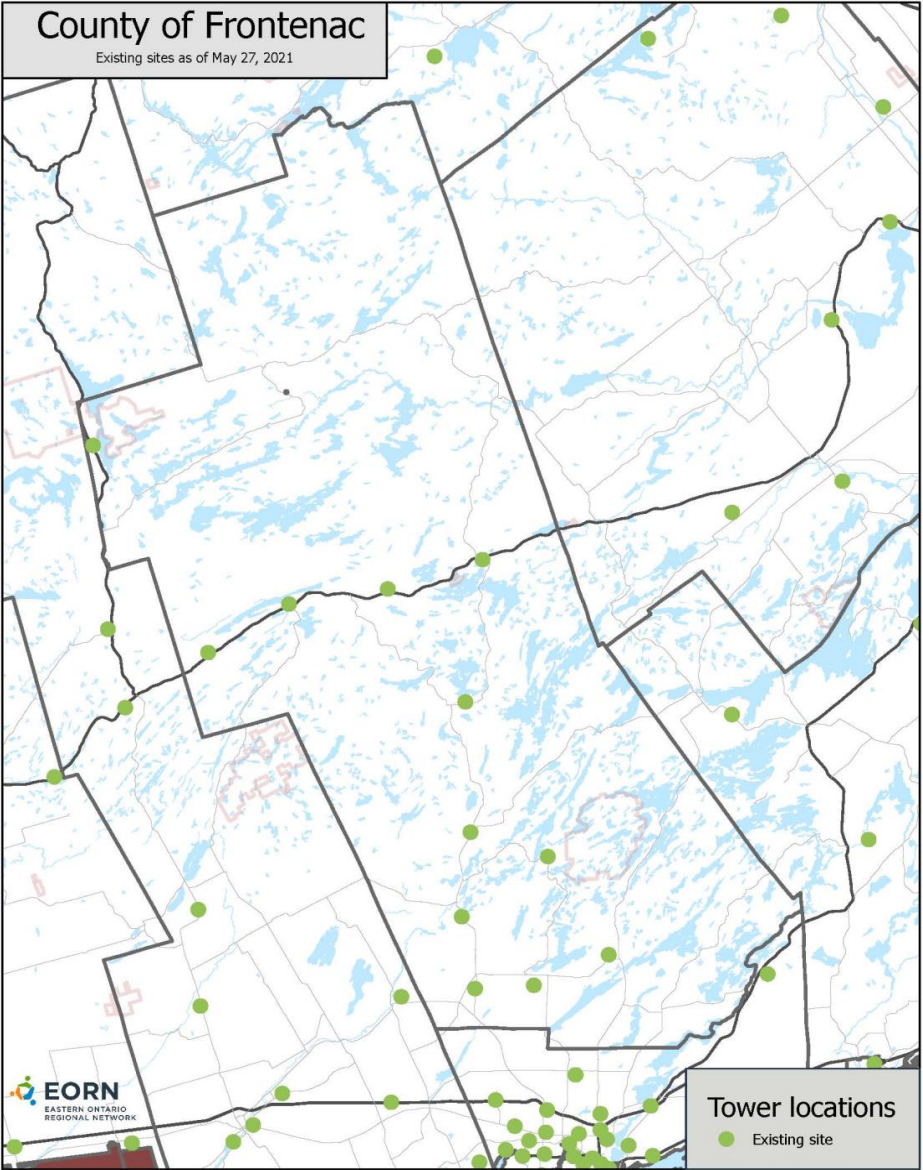




# Frontenac County

- Frontenac County contributed \$389,750.
- Existing sites will be upgraded to 5G.
- Rogers has begun land acquisition process for possible tower sites.
- Municipalities will be responsible for land use authority (LUA) for proposed new tower builds.
- Post LUA approval municipalities will be key to moving the project forward by working with Rogers on processing building applications etc. in a timely fashion.





**14 existing sites** upgraded with new 5G equipment providing improved coverage and capacity

**10–20 new 5G sites** to be built



# Benefits of the Project

- Will allow for competition in the region.
- Upgrade and expansion of Rogers national network into eastern Ontario.
- New towers allow for future deployment of fixed wireless and new technology roll outs (5G).
- Rogers has committed to working with EORN and its stakeholders to provide community benefit opportunities in eastern Ontario.



# Timeline and Next Steps

- First Nation duty to consult started January 2021
- Contract approved by EORN board March 4, 2021
- Contract approved by Rogers March 18, 2021
- Official launch event March 19, 2021
- Presentations to EOWC/EOMC Spring/summer 2021
- In-service launches starting Summer 2021





# Questions



## Cell Gap Project

Presented by Rogers Communications

June 2021



## Today's Discussion

### Rogers Communications

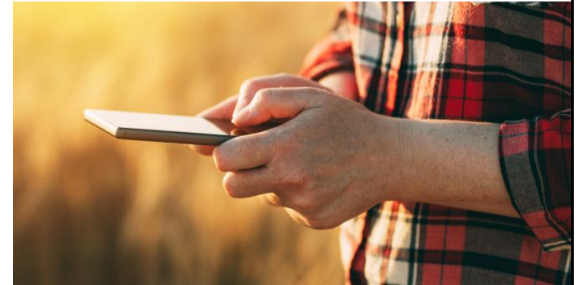
- Our role in the Cell Gap Project
- Our commitment to the community
- Our technology

### Process for tower uplifts and new site builds

### Timeline

### Coverage map

### Q&A



**AGENDA ITEM #a)**



## Rogers and the Cell Gap Project

\$150M+

Investment from Rogers in the Cell Gap Project

11,000km

Of major roadways will deliver consistent and reliable voice call coverage

300+

New 5G towers to be build as well as approximately 300 existing towers upgraded to 5G

113

Municipalities plus the Indigenous communities of Eastern Ontario served

99%

Of demand area will have access to voice calling service<sup>1</sup>

3,000+

New jobs expected to be created in the region

\$420M

Projected in local economic growth

Rogers operates **Canada's largest and most reliable 5G network<sup>2</sup>**, powered exclusively by Ericsson, reaching more than 170 communities nationwide

Confidential | Cell Gap Project | Rogers Communications

4

<sup>1</sup> Based on percentage of 'Demand Area' as defined by the Eastern Ontario Regional Network

<sup>2</sup> Rogers was ranked first in the umlaut Mobile Data Performance audit in major Canadian cities in Q4, 2020. Visit [www.umlaut.com/en/benchmarking/canada](http://www.umlaut.com/en/benchmarking/canada) Largest based on total square kilometers of Rogers 5G coverage compared to published coverage of other national networks.



## Rogers Community Commitment

At Rogers, we see it as our responsibility to support the communities where we work and live by:

1. Bridging the digital divide
2. Inspiring youth to reach their highest potential
3. Giving back to our local communities

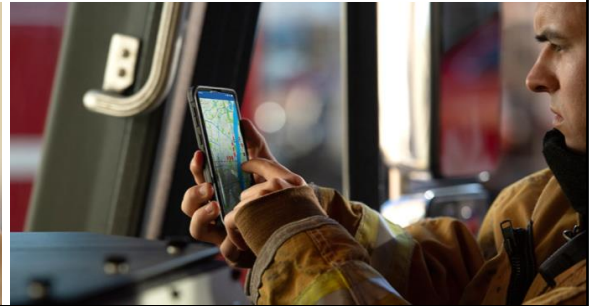
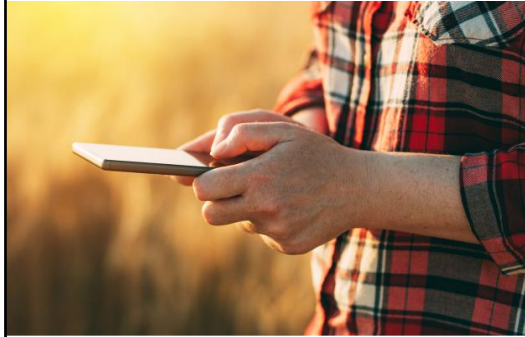
### Some Key Programs:

- Connected for Success
- Women's Shelters
- Ted Rogers Scholarships & Community Grants
- Jays Care Foundation
- Rogers Hometown Hockey
- Tennis Canada
- Give Together



## What is 5G?

Delivering unprecedented speed, instant response times plus fast, reliable connections, fundamentally changing how we live and work.



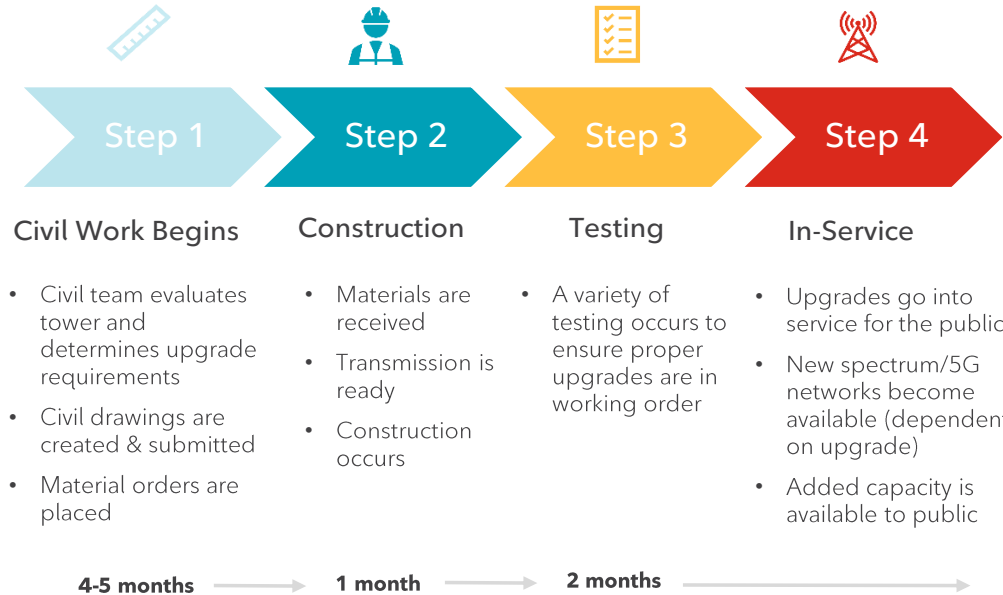
# Process: New Site Builds

\*A new site can take approximately 18 - 27 months from start to completion

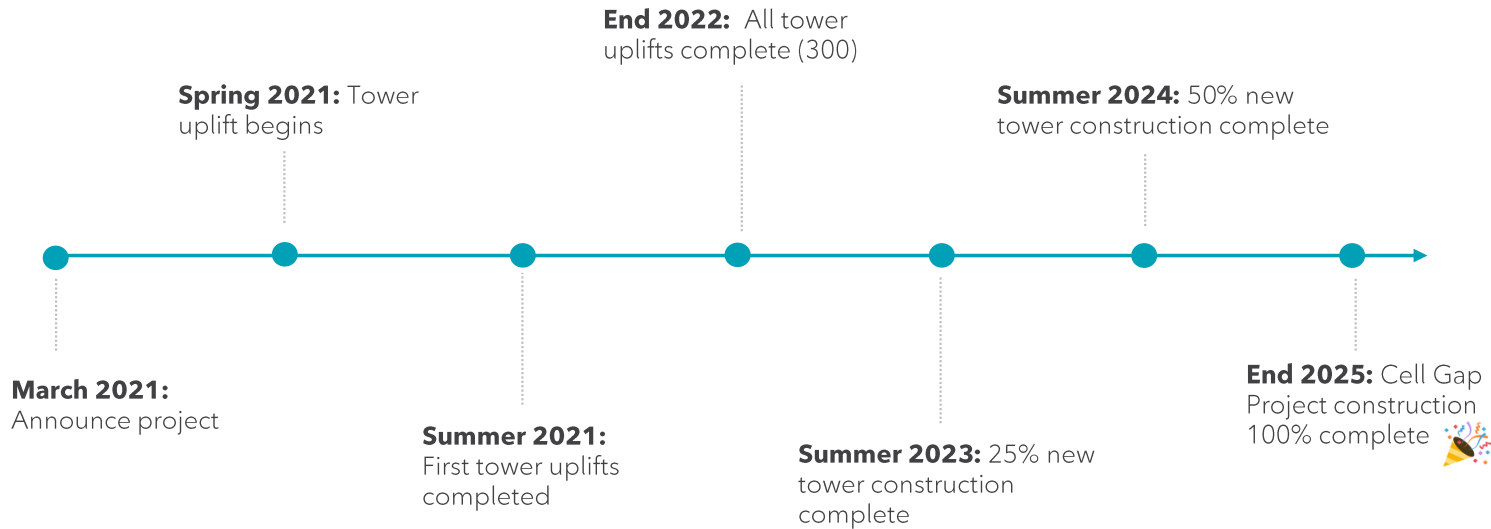


## Process: Tower Uplifts

\*Upgrade can take approximately 7-8 months from start to completion



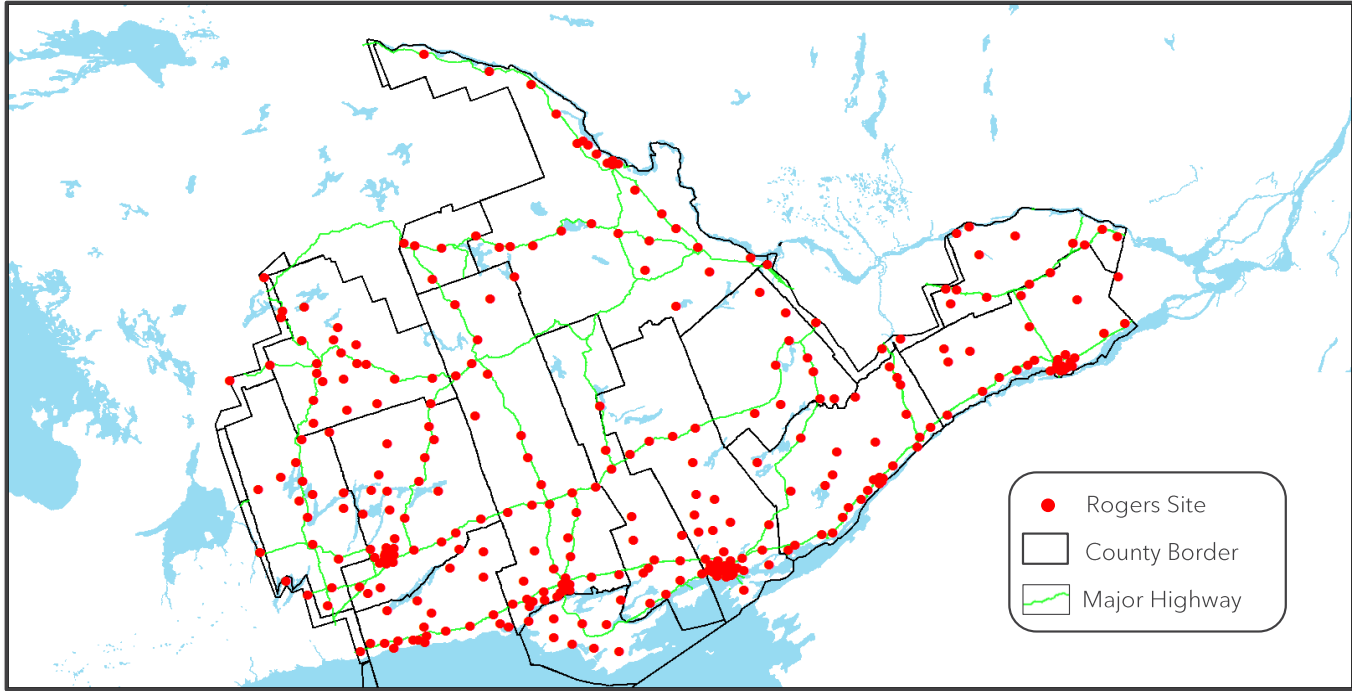
## Projected Timeline



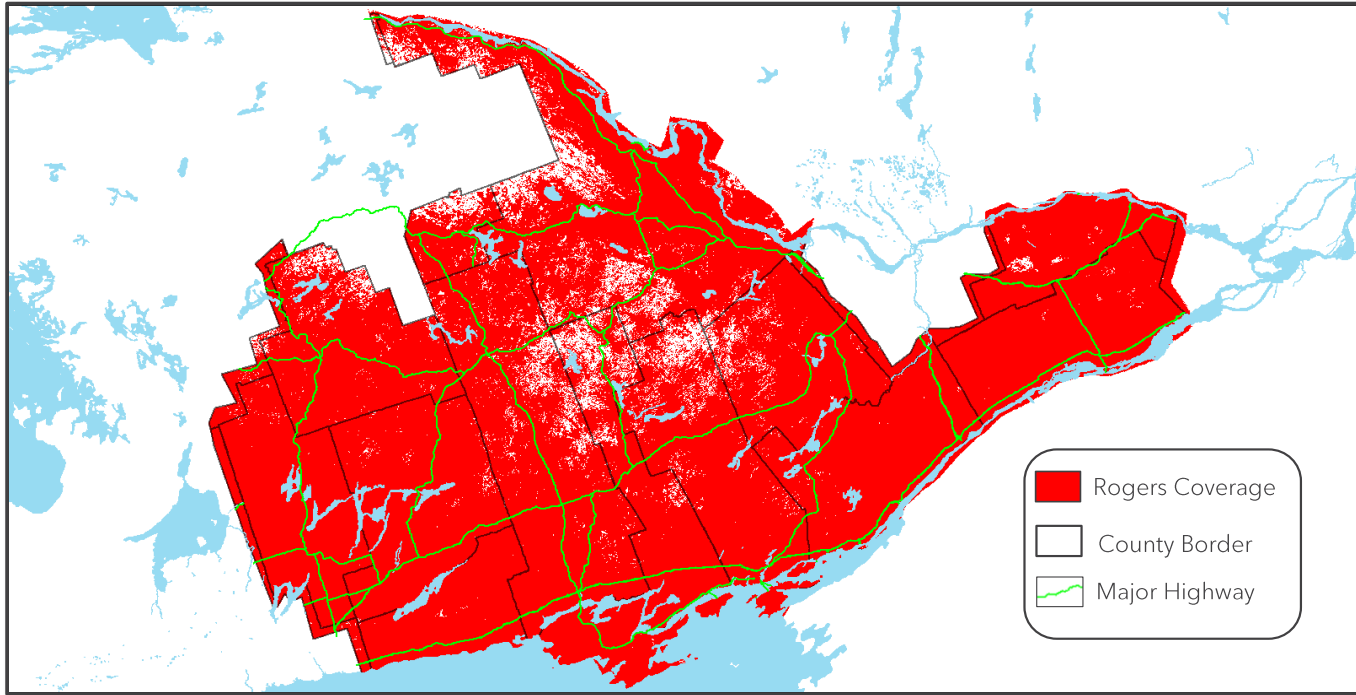
**Disclaimer:** All timing is for guidance purposes only, and is subject to change without notice.



## Uplift Tower Sites



## 2025 Projected Coverage Map



## Frequently Asked Questions

1. Do I need to switch my cell phone provider to Rogers?
2. Will this expansion project improve my internet broadband solution at my home or workplace?
3. When will the towers in my area be built?
4. How many towers will you be building in my community?
5. I live in Eastern Ontario and I am interested in speaking to a Rogers representative about building a tower on my property - who can I contact?
6. How does Rogers determine land lease rates?
7. What does Rogers offer to my community?



| Any questions?



**By-Law No. 2021-0023**

of

**The Corporation of the County OF Frontenac**

being a by-law to confirm all actions and proceedings of County Council on  
June 23, 2021

---

**Whereas** Section 8 of the *Municipal Act, S.O. 2001, c.25* and amendments thereto provides that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under the *Municipal Act* or any other *Act*; and;

**Whereas** Subsection 2 of Section 11 of the *Municipal Act, S.O. 2001, c.25* and amendments thereto provides that a lower-tier municipality and an upper-tier municipality may pass by-laws respecting matters within the spheres of jurisdiction described in the Table to Subsection 2 subject to certain provisions, and;

**Whereas** Section 5 of the *Municipal Act, S.O. 2001, c. 25* and amendments thereto provides that a municipal power, including a municipality's capacity, rights, powers and privileges under Section 8 shall be exercised by its council and by by-law unless the municipality is specifically authorized to do otherwise; and;

**Whereas** the Council of the County of Frontenac deems it expedient to confirm its actions and proceedings;

**Now Therefore Be It Resolved That** the Council of the Corporation of the County of Frontenac hereby enacts as follows:

1. **That** all actions and proceedings of the Council of the County of Frontenac taken at its special meeting held on June 23, 2021 be confirmed as actions for which the municipality has the capacity, rights, powers and privileges of a natural person.
2. **That** all actions and proceedings of the Council of the County of Frontenac taken at its special meeting held on June 23, 2021, 2021 be confirmed as being matters within the spheres of jurisdiction described in Subsection 2 of Section 11 of the *Municipal Act, S.O. 2001, c.25* and amendments thereto.
3. **That** all actions and proceedings of the Council of the Corporation of the County of Frontenac taken at its special meeting held on June 23, 2021, except those taken by by-law and those required by by-law to be done by resolution are hereby sanctioned, ratified and confirmed as though set out within and forming part of this by-law.

4. **That** this by-law shall come into force and take effect as of the final passing thereof.

Read a First and Second Time this 23<sup>rd</sup> day of June, 2021

Read a Third Time and Finally Passed, Signed and Sealed this 23<sup>rd</sup> day of June, 2021.

**The Corporation of the County Of Frontenac**

\_\_\_\_\_  
Ron Vandewal, Warden

\_\_\_\_\_  
Jannette Amini, Clerk