

EORN Cell Project

Municipality of Merrickville-Wolford

December 13, 2021



EORN

EASTERN ONTARIO
REGIONAL NETWORK

Regional Municipal Collaboration

EORN Cell Gap Project

Eastern Ontario Wardens Caucus (EOWC)

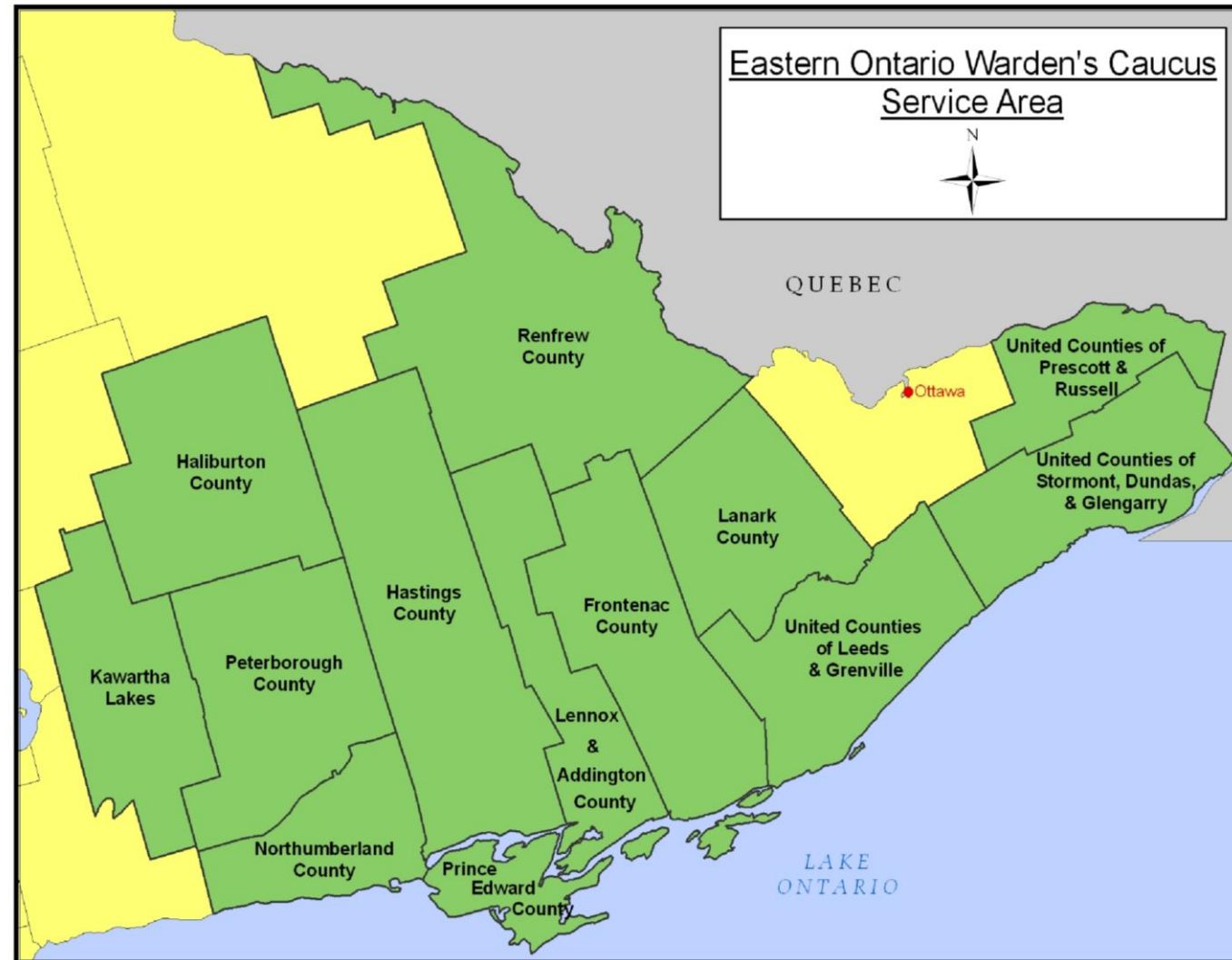
- 11 upper tier and 2 single tier municipalities

Eastern Ontario Mayors Caucus (EOMC)

- 10 separated municipalities

Eastern Ontario Regional Network (EORN)

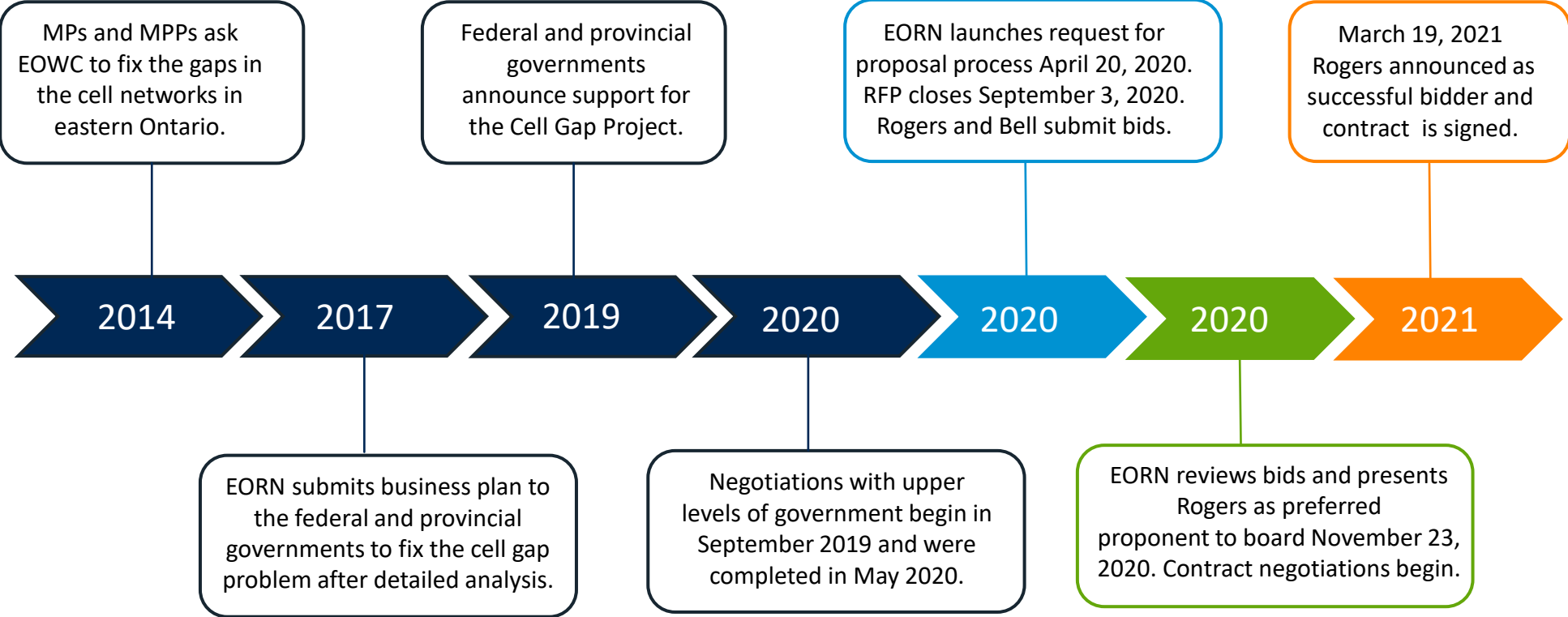
- Not for profit created by the EOWC
- 50,000 squared kilometers
- Advocates regionally for connectivity
- Public private partnership model



Benefits of the Project

- Will provide improved service throughout the region allowing businesses and residents reliable access to cellular services.
- 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.

Cell Gap Project Timeline

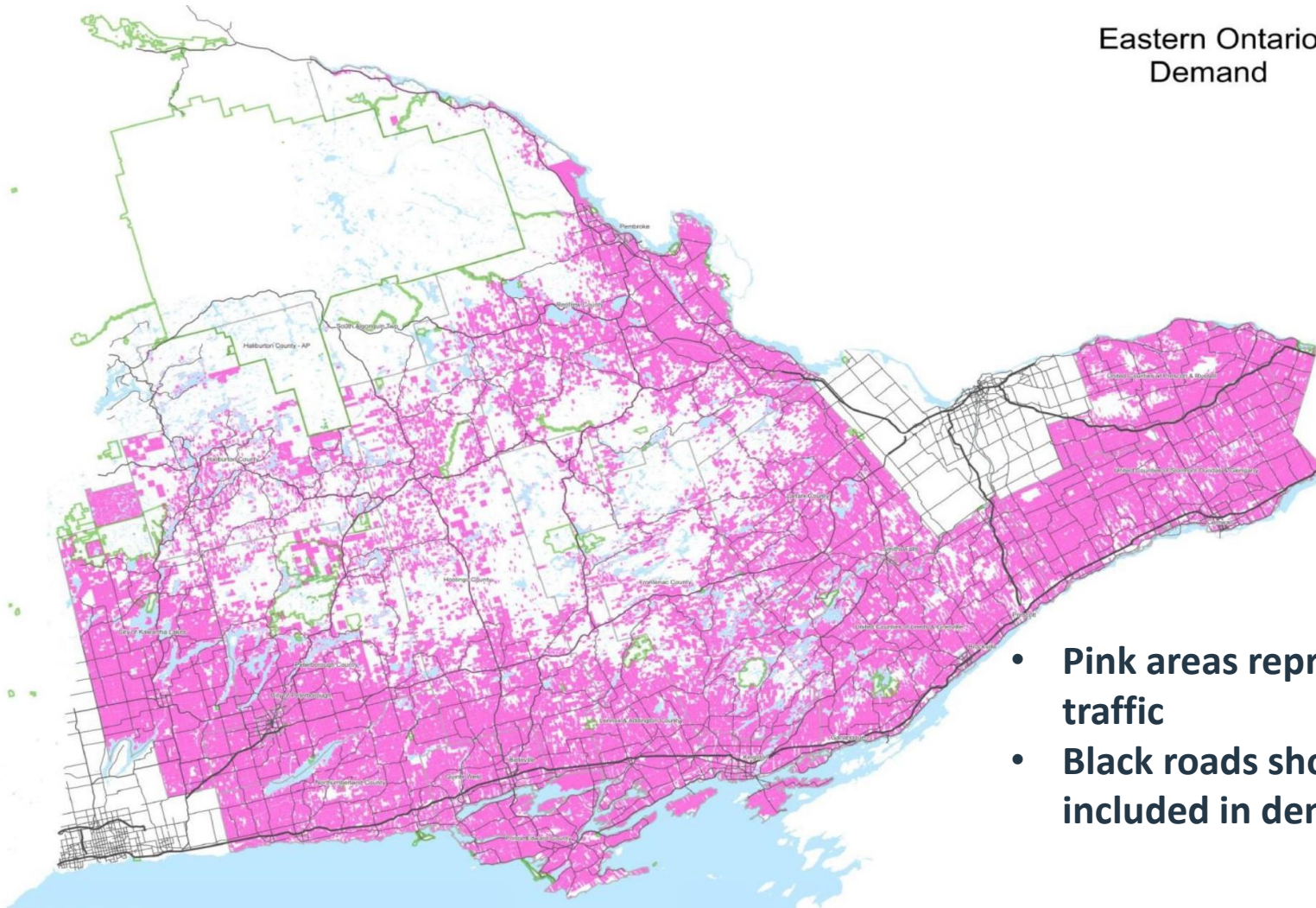


EORN Cell Gap Project Goals

- 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.

Demand Map

Eastern Ontario
Demand



- Pink areas represent demand based on premises and road traffic
- Black roads show where there are no premises, but are included in demand

The Project

- Approximately 300 existing sites will be upgraded to 5G.
- Approximately 300 new 5G sites will be built over the next five years with the majority of towers being 90 meters.
- Ericsson is the primary supplier of radio equipment and will support both 4G and 5G devices.
- Work on upgrading existing towers has begun with over 70 towers completed with a goal of over 200 to be upgraded by March 2022.
- 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.

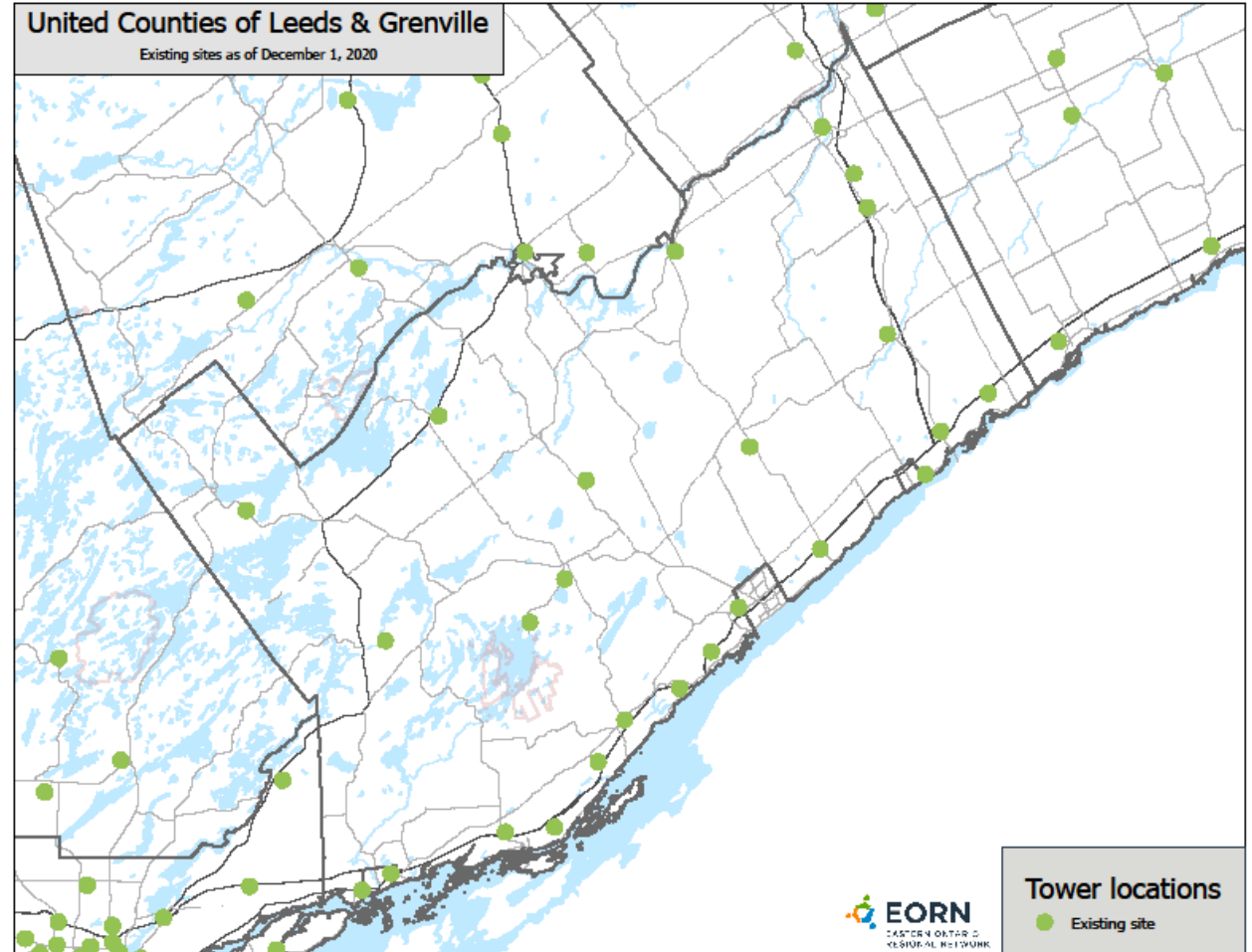
Financial Breakdown

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%.

The United Counties of Leeds and Grenville

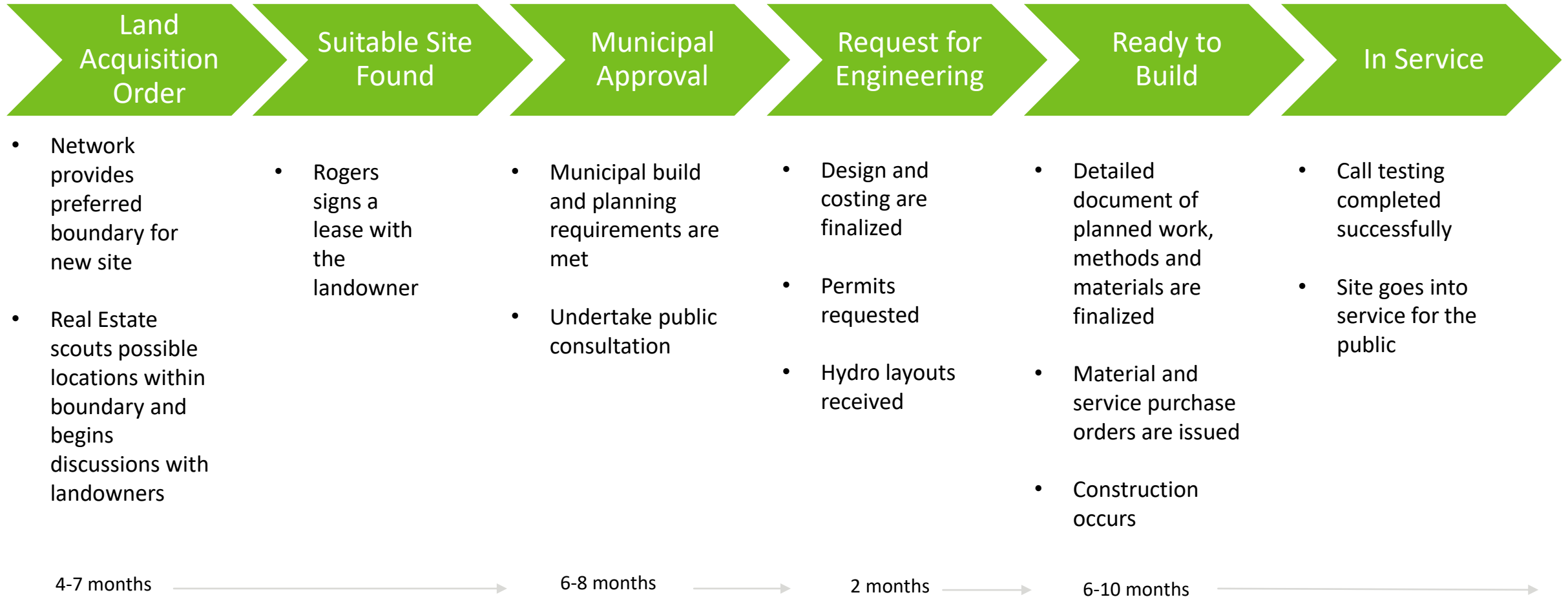
- The United Counties of Leeds and Grenville contributed \$634,490.
- **23 existing sites** will be upgraded to 5G.
- **20 to 30 new sites** will be built with 5G equipment.



How Municipalities Play a Key Role

- Municipalities will be responsible for land use authority (LUA) for proposed new tower builds.
 - Rogers Communications has begun their location siting processes and will soon be approaching municipalities to begin the LUA process. As this happens, proposed tower locations will be made publicly available through newspaper advertisements .
- 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.
- EORN has created resource documents for use by municipalities and are always available to assist where possible.

Land Use Authority Process for New Site Builds



Timeline and Next Steps

- Upgrades to existing towers 2021 - 2023
- Land use authority process 2021 - 2024
- Indigenous consultation process 2021 - 2025
- New tower construction 2022 - 2024
- Announcements 2022 - 2025

Thank you

Contact Information
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