



York Region Telecom Policy Update

**Presentation to:
York Region Broadband Strategy Advisory Task Force**

June 1, 2016

Purpose

**Seek Task Force Input & Advice
on Updated Region Telecom
Policy**

GOAL

Expansion of broadband coverage across York Region while improving business case viability for wireless carriers.

York Region Broadband Strategy: Vision and Implementation Priorities

Broadband Strategy Vision:

To establish York Region as a Gigabit Region, recognized for its leadership in fostering an eco-system of collaboration and business innovation within a connected lifestyle community

The Telecom Policy

is an Implementation
Priority of the
York Region Broadband
Strategy

Education & Advocacy Priorities

Government Engagement

Development Industry
Engagement

Property Management
Engagement

Municipal Process Priorities

Harmonize Municipal
Access Agreements

Development Approval
Process

Wireless Communications
Toolkit

Regional Conduit Network

Infrastructure Investment Priorities

ORION PoP at Southlake
&
York Region Research and
Education Network

Community Wi-Fi Network

Low-Cost Internet for
Social Housing

Regional Wide Area
Network Connectivity
(e.g. YTN)

What people are saying – Consultations & Pilots



**Carriers &
Consolidators
want multiple sites
in the Region**



**Competitors will
work together if
the Region
provides enabling
leadership**



**York Regional
Services needs
sites to manage
infrastructure**

York Region Telecom Policy

Wireless focused policy

**Adopted in 1996 with
revisions in 2001
and latest in 2009.**

**Controls the placement and
billing structure for third party
telecom equipment on Region
owned facilities.**

**Needs updating
due to changes in:**

**Industry
Technology
Society
Region needs**

Key Policy Change GOALS

**Address industry technology
changes**

**Incorporate industry best practices
for:**

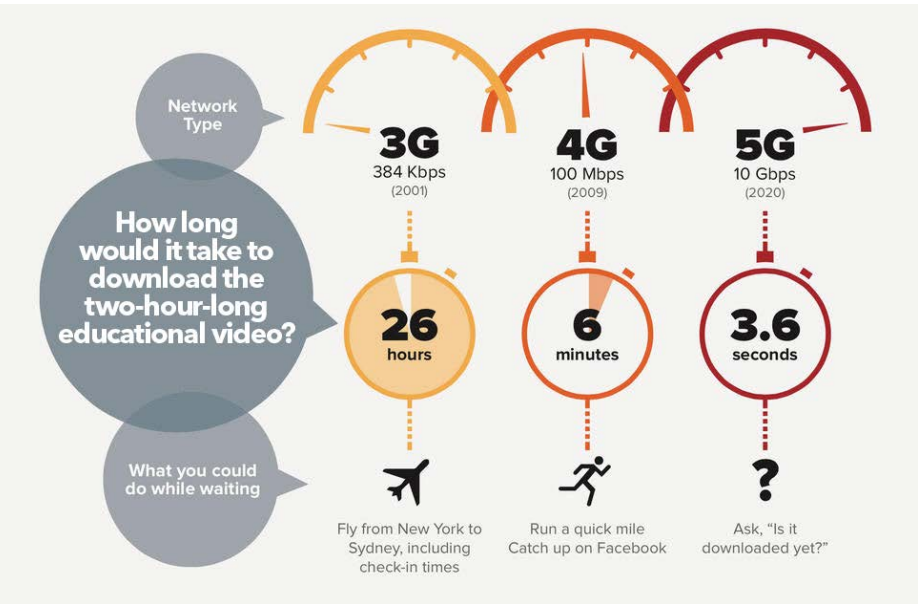
- **infrastructure planning**
- **minimizing visual pollution**
- **promoting tower consolidation
and colocation**
- **“one window” application
management process**

**Support and align with the
York Region Broadband
Strategy**

**Enable expanded
community connectivity**

Wireless supports urban and rural connectivity

Region's Rural
Goal today
10Mbps
32Mbps
Measured



Wireless technology advances have made acceptable mobile download speeds possible...

...but broader coverage requires tower investments

Private Investment Question?

**What are Cellular Carriers
looking for when searching
for new tower sites?**

Answer:

**Easily obtainable land in
the right place, municipality
support & a positive
business case**

Tower Drivers

**Customer Service
Complaints**

**Coverage required –
dead spots**

**Correct a technical
problem**

Regional (Wireless) Telecom Policy needs to help Overcome Business Case Hurdles



York Region (Wireless) Telecom Policy



Uncertainty (Infrastructure Availability)



Delays (Approvals, Agreements)



No Business Case (Sparse customer base, long distances)

Addressing Technology Changes



POLICY CHANGES

- Small cell implementation at street level
- Changes in antenna technology



BENEFITS

- Enable carriers to provide broadband at street level without large towers
- Application of fees based on use of space on Region owned facilities

Proposed policy would:

- **allow carriers controlled access to street light & traffic poles for small cell installations**
- **establish cost recovery permit fees**

Allowing economical access to Regional rights-of-way can assist with creating a positive business case for carriers

Examples of street light, right of way poles & kiosks for small cell installations



Incorporate Industry Best Practices



POLICY CHANGES

- Develop a Tower & Connectivity Master Plan
- Reduce visual pollution in key areas
- Promote tower consolidation and colocation
- Adopt “one window” application management process



BENEFITS

- Encourage investment, enable partnerships, quicker solution for carrier siting, positive business case
- Reduced tension when siting towers and installations
- Allow combined benefit, Region needs, reduced hurdles for carrier, positive business case, promotes rural broadband
- Communicate, promote investment, simplify applications & approvals

Key Policy Change

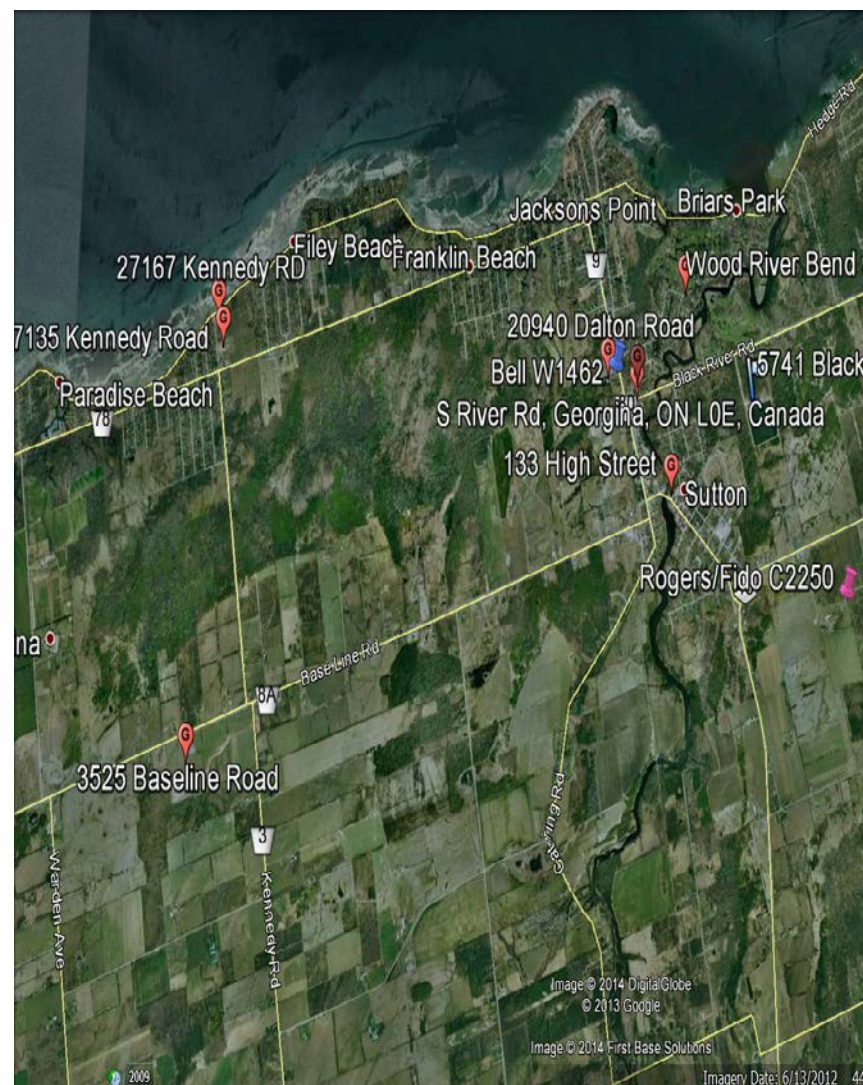
Tower & Connectivity Master Plan

Identify underserved areas

Make available planned, vetted and pre-cleared land practices

Leverage infrastructure investments to promote private sector investments

Developing a Tower & Connectivity Master Plan will enable partnerships and assist with a positive infrastructure business case



Proposed policy would:

- **establish market rate billing for tower owner and colocators**
- **allow consolidators to build towers to lease to multiple carriers**
- **allow a single Tower Multiple revenue streams**

Allowing tower collocation and consolidation would reduce visual pollution while enabling a positive business case for tower builders and colocators



Tower Consolidators

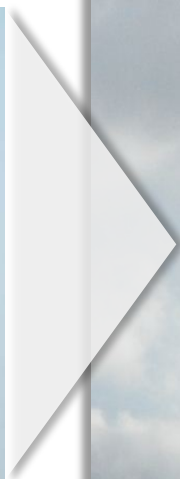
Recently started operations in Canada.

- They lease raw land, build towers and lease space to many carriers.

- Revise billing model to support this business case.



Reduce Visual Pollution



Antennae consolidation supports operational needs while improving aesthetics

One Window Access:



Process all applications for Telecom



Own the Tower & Connectivity Master Plan



Communicate facilities availability



Encourage investments



Facilitate open, competitive, innovative services and applications



Maximize the use of public sector investments

Milestones & Next Steps

