



FOREST GLEN TOWER PILOT PROJECT

RURAL HIGH-SPEED INTERNET



ABOUT FOREST GLEN

Population 293 ???

25 LoS Homes

55+ NLoS

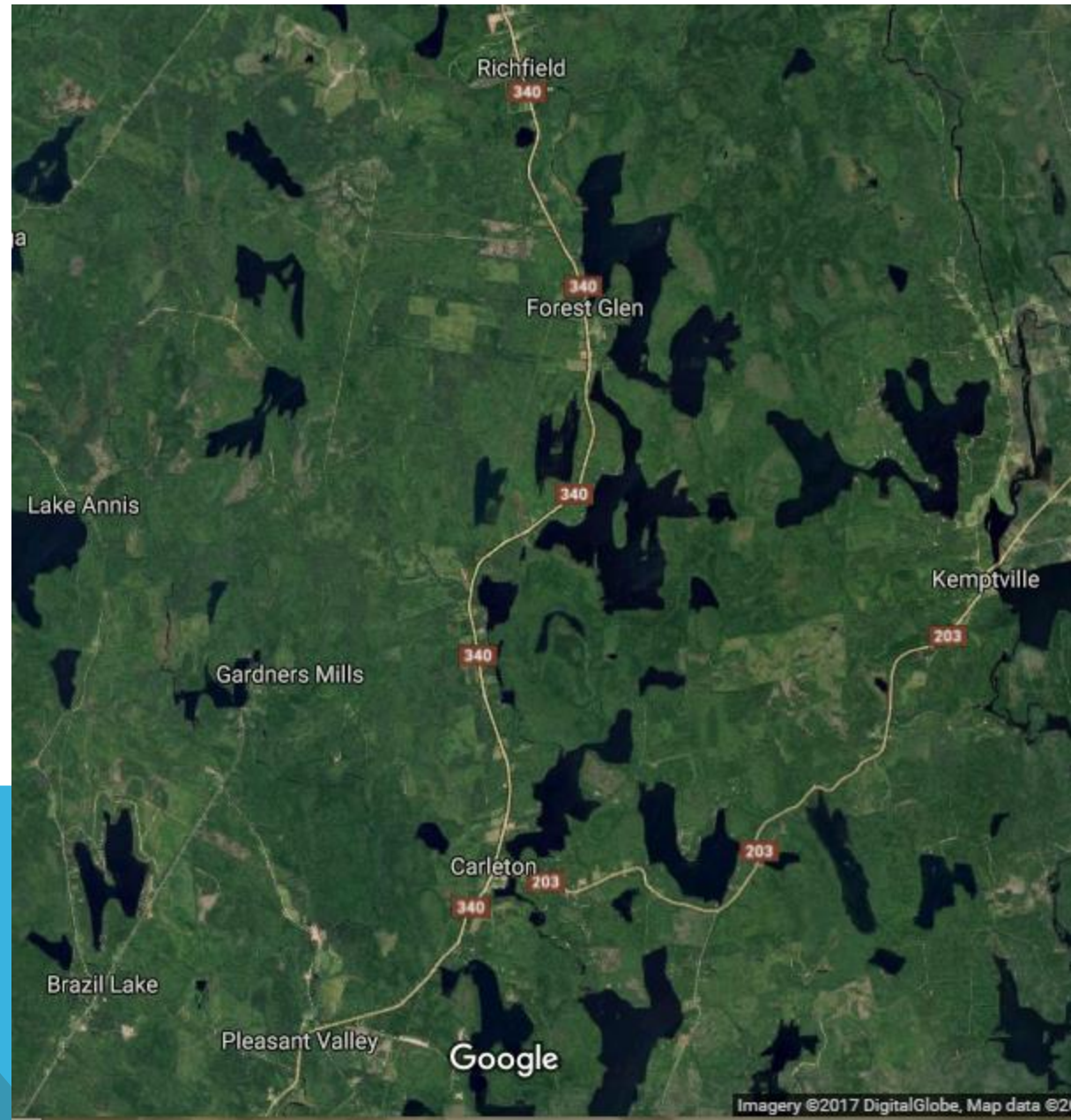
360 within range

LoS 5G – 25Km

NLoS 3.5G – 12KM

<https://www.towercoverage.com/>

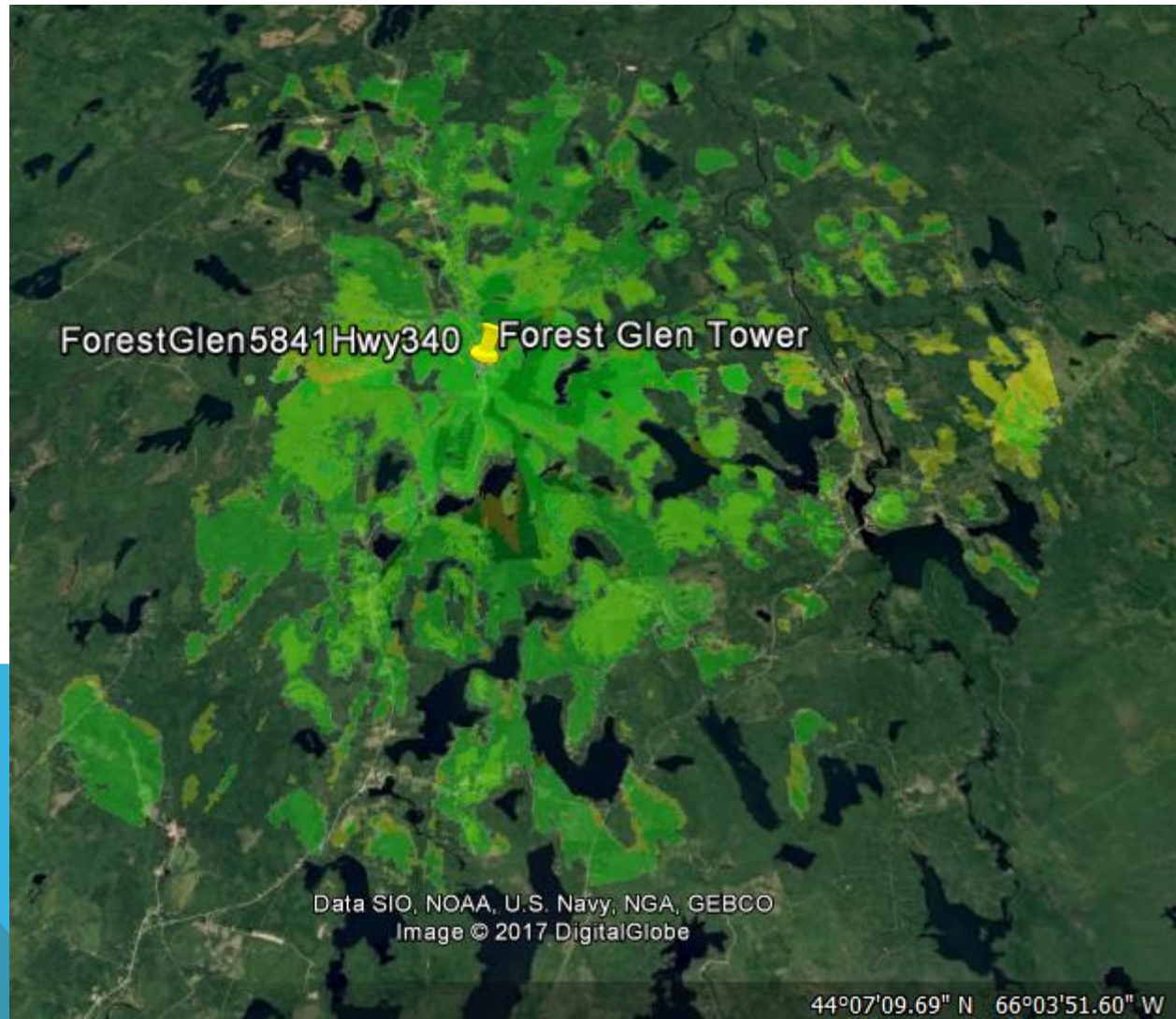
So why here??



WHY HERE?

- Two Pauls
- Fiber Box
- Funding window.

Why MoDY...




WHY MoDY

- **CRTC Proclamation– Essential service**
- **DMV, Homework, EI, CRA, Etc.**
- **Residential Tax**
- **Commercial Opp.**
 - Home office
 - Agra



CHALLENGES

- **Aggressive time line as a result of DoB contract for 75K**
 - Signed 28 March 2017
 - Contract with Land Owners end (June) NCS (August)
 - **Topography**
 - **No good deed goes unpunished**
 - **Eastlink Rural Connect - Canopy???**
- 

IN OUR FAVOUR

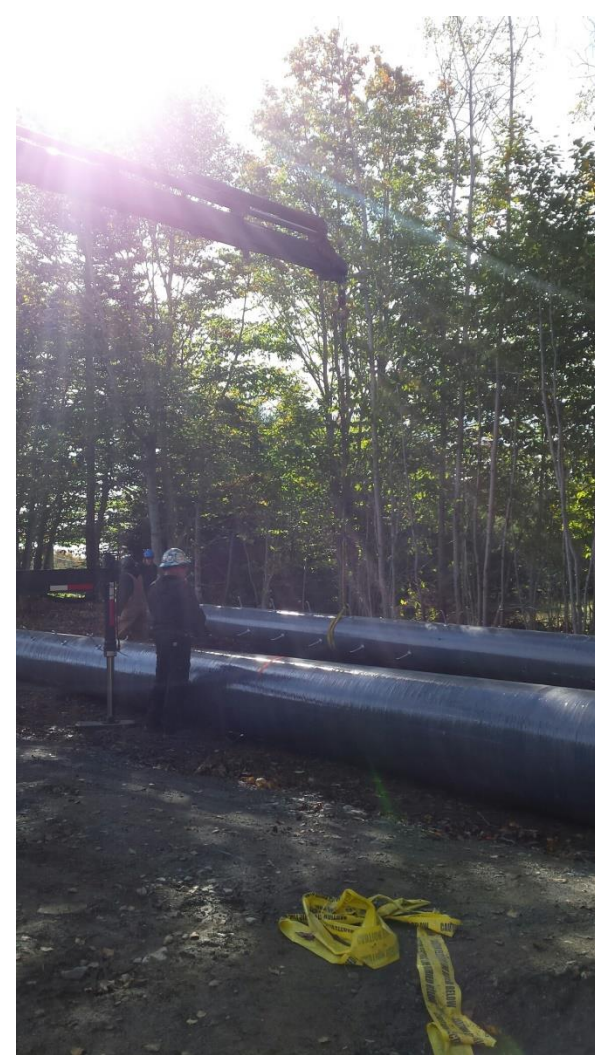
- Proximity to junction box
- We are Muni,
 - we are owner, we are permitting gatekeepers
 - 2 doors down
- Regulation requirements previously navigated
 - IC -> NavCan -> Local By-laws -> IC

NAV CANADA				LAND USE PROPOSAL SUBMISSION FORM			
Site Number: by NAV CANADA		NE 1/4 30' 30' 30'		TO 1/4 30' 30' 30'			
GENERAL INFORMATION:							
Company/Owner Name: Municipality of the District of Yarmouth				Contact Person: Ken Moxie - km@district.yarmouth.ns.ca			
Address: 924 HWY 1				City: Yarmouth		Prov: NS	Postal Code: B5A 3A2
Tel: 902 942 1139		Fax: 902 942 3184		Email: km@district.yarmouth.ns.ca		24 Hour Emergency Number:	
Applicant: Municipality of the District of Yarmouth				Contact Person: Ken Moxie - km@district.yarmouth.ns.ca			
Address: 924 HWY 1				City: Yarmouth		Prov: NS	Postal Code: B5A 3A2
Tel: 902 942 1139		Fax: 902 942 3184		Email: km@district.yarmouth.ns.ca		24 Hour Emergency Number:	
Airport Authority: (If within 6 km of a listed aerodrome)				Airport Manager:			
Address:				City:		Prov:	
Postal Code:		Tel:		Fax:		Email:	
DETAILS OF PROPOSAL:							
<ul style="list-style-type: none"> • Please provide the data in the highest resolution as it was obtained. • For geographic coordinates, provide <u>up to</u> four (4) decimal places of a second. • For ground elevation and tower height, provide <u>up to</u> four (4) decimal places of a metre or foot. 							
Project #, Street Address, etc.: 8841 Hwy 340				Nearest Town, Province: Yarmouth, NS			
Geographic Coordinates of Site in NAD 83:				City: Yarmouth		Town: Yarmouth	
Linear Structures:				Lat. N: 44° 04' 43.99664		Long. W: 65° 54' 41.78975	
Indicate Starting Point on 1 st line and End Point 2 nd line:				Lat. N: / /		Long. W: / /	
Type of Structure: Monopole		New Structure? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Height Added (if Existing):		N/A	<input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> m
Criteria to be used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No / Refer to Instructions				Ground Elevation (Above Sea Level):		21.00	<input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> m
Dimensions:				Structure Height (Above Ground Level):		20	<input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> m
Minimum at Root Stage (if Building): N/A				Total Height (Above Sea Level):		21.00	<input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> m
Proposed Construction Start Date: July, 2011				Structure Height + Ground Elevation:		21.00	<input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> m
Approximate Duration of Construction: 6 days							
If Temporary Structure, indicate Removal Date:				From: hrs		to: hrs	
Comments: NAD 83 (CSRS) NAD 83 same as (Epoch 2011.0) UTM Zone 18 44°04'43.99664°N, -65°54'41.78975°W							
ELECTRONIC / TELECOMMUNICATION INTERFERENCE (Check off the items which may cause interference and provide details)							
High Voltage Equipment <input checked="" type="checkbox"/> Details:							
Arc Welding <input type="checkbox"/> Details:							
Radio Emission <input type="checkbox"/> Details:							
High Powered Transmissions <input type="checkbox"/> Details:							
VHF Radio <input type="checkbox"/> Details:							
Other <input checked="" type="checkbox"/> Details: 3.655GHz LTE Wireless Internet Transmission							

TRADES & UTILITIES

- **Electrical**
- **Road & Site Prep**
- **Assembly & erection of the tower**
- **NS Power**
- **Bell**
- **TIR**

290 ft | 100 ft



BASE



GUYING



RS Poles

Telcon

Rose Valley

Graves Electrical

Aker Doucette

NCS

<http://www.novascotiahighspeedinternet.com/>



Aker & Doucette Surveying Inc.
Nova Scotia Land Surveyors



95% THERE

Tower \$23,000

Wireless \$19,300

Fiber Install \$10,500

Assembly & erection \$24,350

Electrical \$5000

Road & Site Prep. \$16,000

Shipping \$4400

Survey \$4600

107,150 – 75,000 = \$32,150



WAITING

