



Dave MacDonald <otwdave@gmail.com>

Temagami and Broadband Internet & Telecommunications...

1 message

Paul Ouimette <pouimette@neonet.on.ca>

Wed, Mar 27, 2019 at 11:57 AM

To: "dan.omara@temagami.ca" <dan.omara@temagami.ca>, "margaret.youngs@temagami.ca" <margaret.youngs@temagami.ca>, "otwDave@gmail.com" <otwDave@gmail.com>

Cc: Laura Imhoff <LImhoff@neonet.on.ca>

Good morning,

Firstly, sorry for the delay in getting this email to you following our meeting a few weeks back.

I have attached a copy of the slide deck we presented as part of our conversation as well as supporting information to provide additional information regarding the various technologies as well as some contact information regarding some resources.

Cellular Engineer and cost-conscious solution provider:

I have been in contact with Marko (contact details below) – you might be interested in getting a GPS coordinate for an area that does not have good cellular coverage to do some preliminary research to determine distances between towers as well as topology review to determine the varying elevations in play.

Marko Koskenoja / (705) 541-8490

Telecommunications Consultant

www.northlandconsultants.ca

I have attached a case study document that describes a particular small community cellular challenge and also include a summary of Northland Consultants that came from their Facebook page. The attachments were provided by Northland Consultants. You can also refer to <https://www.facebook.com/NorthlandConsultants/>.

Give me a call if you have questions on the above. I invite you to reach out to Marko Koskenoja at 705-541-8490 or at marko@northlandconsultants.ca. NEOnet is also available to assist in the process or at least be kept in the loop as there are definitely other communities that face similar challenges; at this time, we may not have access to public financial resources to propose public-private projects but believe this type of situation is critical to resolve for economic development. With the newly announced Ministry of Rural Economic Development, we have a role to play in advocating for funding to address such challenges

5G cellular technology

I have attached the document 'CB-Insights_...' which provides a great overview of the upcoming 5G technology; testing has begun but my opinion is that it is best suited for higher density areas which would benefit from the Internet of Things capabilities or high population densities where high speed data transfers warrant the high cost of deployment of this type of network.

Broadband Internet

NEOnet has submitted a project proposal to NOHFC called BIRA – Broadband Internet for Remote Areas; we are awaiting a decision on this Stage 2 application which could potentially provide SMEs (businesses) up to 2,500\$ in subsidy to connect to Internet services. This opportunity may benefit the several Tourist Camps in your area if we are successful in being awarded this project funding.

I have researched Spectrum Internet <https://www.spectrum.com/> and was unable to ascertain that they are a 'core' ISP and not just a reseller; I will ask Laura to continue the investigation.

Morden, MB – I have taken a look at <https://morenet.ca/> and their 'utility' model for city taxpayers; interesting model for a revenue neutral scenario in delivering alternate Internet options for the community over the other 4 ISPs. I did not locate details regarding 5G but will further my investigations.

EnhBEAM – Technology Adoption – NEOnet has a FedNor project proposal (Phase 2 detail) for a subsidy program up to 25,000\$ related to Technology Adoption for SMEs. We believe a portion of this initiative could be leveraged to businesses to connect to the Internet – generally, technology adoption to scale up or grow a business cannot be done 'without' access to the Internet...

CRTC, Closing the Broadband Gap – Broadband Fund <https://crtc.gc.ca/eng/internet/internet.htm>

<https://www.canada.ca/en/radio-television-telecommunications/news/2018/09/crtc-announces-details-of-the-broadband-fund.html>

The Federal Budget can be accessed here: file:///C:/Users/PaulOuimette/Documents/budget-2019-en.pdf

Hearst: Began a rollout of a hybrid network based on fibre where feasible and wireless connectivity to reach out beyond the core area of the community. Take a look at Hearst Connect: <http://www.hearstconnect.com/> and Hearst Wi-Fibe at the same website. (Name may be changing due to Bell WiFibe).

Cochrane: Here is the weblink to their offerings – most are based on Fibre: <http://www.cochranetel.ca/>

Ontera, Eastlink contacts,

Low Orbit Satellite: Here are some links to information on this technology and related to Canada:

- <https://www.spaceq.ca/2019-canadian-federal-budget-provides-new-funding-for-low-earth-orbit-satellite-capacity/>
- <http://spaceq.ca/13-canadian-commercial-satellite-constellations-in-development/>
- <https://globalnews.ca/news/4670203/spacex-telesat-canada-fcc-global-satellite-network/>
- <https://spacenews.com/canadas-leo-constellation-fund-draws-interest-from-telesat-mds/>

CENGN: I have attached a PDF that summarises the Northern Ontario Residential Broadband Program and Expression of Interest. The weblink for more details is <https://www.cengn.ca/ontario-broadband-program/>

Xplornet Satellite, Fixed Cellular – Laura has contacted Jeff at BlueSkyNet regarding BAIMAP GIS Data, we are awaiting for this data to share with you, showing where the actual Xplornet Fixed LET Internet is available.

Emergency Response; Lifeline issues – Government: This could be an additional justification of the need of improved telecommunications sooner rather than later. Highway 11 is a transport corridor that is vital for all communities of the North (and beyond). It may be of interest to get data on annual numbers of transports (and what they carry) over any given year; a disaster interrupts significantly the economic viability of many communities – including likely fuel delivery...

Finally, here is the contact details of a communications consultant; he had previously worked for Ontera before the company sale to Bell and is a subject matter expert with knowledge on the available infrastructure across the North.

Telecom Consultant: **Amedeo Bernardi Consulting** www.amedeobernardi.ca

Regards, Paul



PAUL OUIMETTE

Director of Operations

705-360-1353 x 32 | 705-360-8537 fax | 705-266-5589 mobile

4715 Highway 101 East, South Porcupine ON P0N 1H0

www.neonet.on.ca | [Facebook](#) | [Twitter](#) | [LinkedIn](#) | [Newsletter](#)

3 attachments



NEOnet-Temagami 20190307 Slide Deck.pdf

1215K



CB-Insights_What-Is-5G.pdf

1377K



Community-Northern-Ontario-Broadband-EOI (CENGN).pdf

130K