

Seguin Internet Project Fact Sheet

Background:

1. The Township of Seguin significantly lacks internet capability with service well below the standard of 50/10 set by CRTC. Speed test data substantiates this deficiency.
2. Building internet capability is a top priority for Seguin Council and through the Mayor's leadership several potential approaches have been investigated to solve the problem.
3. WPS SMART has developed the Internet Expansion Strategy for the underserved townships in West Parry Sound.
4. WPS SMART and Vianet Inc. presented proposed shovel-ready projects to Seguin Township in July 2020.
5. Seguin Council approved two of these projects in August and consider these to be strategic. One project in the Otter Lake area and the other in Humphrey
6. These projects are enabled through backhaul from the SMART tower owned by the Township of Archipelago and leveraged for the CENGN pilot
7. The projects are expected to potentially serve approx. 4000 residents
8. These 2 projects are just the first of several intended to provide high speed internet and home phone to the residents of Seguin

What Seguin Residents within the Coverage Area of these Projects Will Get:

1. Fixed Wireless Internet, with 3 subscription plans to choose from, and a phone option. All Plans are offered with NO DATA CAPS!!! – no high cost surprises on monthly bills – you pay the same rate each month

EXPERTS IN RURAL WIRELESS INTERNET

Fixed Wireless Internet

Vianet's own wireless network delivers both quality and high speed internet to rural communities across the province from one of our 250+ fixed wireless towers.

Plan	Download Speed	Upload Speed	Price	Additional Features
Basic	10 Mbps	2 Mbps	\$79.95 /MONTH	+ One Time Professional Installation Fee
Standard	25 Mbps	2 Mbps	\$99.95 /MONTH	+ One Time Professional Installation Fee
Advanced	50 Mbps	10 Mbps	\$129.95 /MONTH	+ One Time Professional Installation Fee

*W/ARADG20-01: Service and speed based on technical availability. Advertised pricing is subject to applicable taxes. Subject to policies as stated on <https://www.vianet.ca/legal/billing-policy/>. One-time order processing, transfer or installation fee may apply.

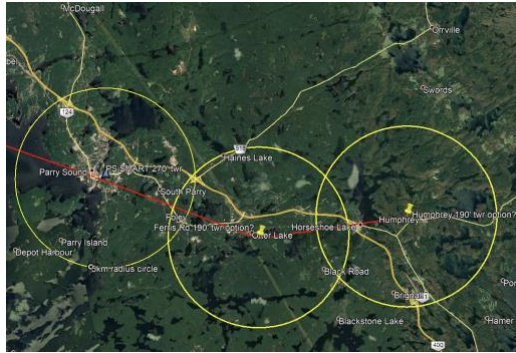
Request A Wireless Sitecheck Today:
[wireless.vianet.ca](https://www.wireless.vianet.ca)
1.800.788.0363

vianet

Building Connections

Project Description:

1. Two towers will be built by Vianet, an Internet Service Provider (ISP) head-quartered in Sudbury
2. Internet will be provided through "fixed wireless" (not to be confused with mobile wireless which is severely affected by highly variable Internet speed capability determined by the number of people accessing the mobile cellular tower at any one time)
3. Vianet will proceed with new site selection based on professional pre-defined technical requirements. Exact tower locations are currently under review but expected to be in the vicinity outlined below.



Next Steps

1. Finalize tower site, obtain Seguin Council support (*if on Municipal land, a lease agreement will need to be signed*)
2. Vianet will proceed with the requirements of a new tower build
3. In collaboration with Seguin Township, Vianet will initiate the Public Consultation process required – more communication on this will be provided by the Township and the public will be given an opportunity to ask questions and provide feedback.

Why Vianet

1. Vianet was the successful bidder for the CENGN pilot. This pilot enabled the WPS Internet Expansion Plan.
2. Vianet have an excellent track record of working collaboratively with municipalities and organizations like WPS SMART to ensure local requirements are addressed.
3. Vianet is a carrier class ISP with over 37,000 customers in Ontario. Vianet believes in a holistic network design philosophy that looks at the whole network, not just the last mile portion. Specifically,
 - Vianet leverages their company-owned fibre ring architecture and direct Internet backbone interconnection at 151 Front St Toronto (Canada’s “telecom hotel”).
 - Portions of their fibre network like their POP location in Parry Sound have been upgraded to 40 Gbps, with upgrade to 100 Gbps planned as our next leap in capability. The “last mile” portion of the network (50/10) is only part of the story.
4. For infrastructure considerations: Vianet has extensive experience in building carrier-class tower sites, with towers designed to hold planned and future antennae load for future capacity requirements. Vianet uses a combination of various frequency spectrums and advanced radio technologies to enable 50 Mbps download and 10 Mbps upload capability
5. For sustainability and future needs, Vianet’s radio and antennae technologies are upgraded on a regular basis to take advantage of the latest technical innovations to enable increased bandwidth capabilities for their customers.
6. For customer service and uptime considerations, Vianet’s power systems are professional carrier-class systems that provide a minimum of 48 hours standby time. Vianet’s Sudbury master Network Operations Center combined with our local technicians are very adept at monitoring and responding to outages in a timely fashion; well within the 48 hours battery stand-by time.
7. For network expansion and service provider options, Vianet believes in open access making wholesale bandwidth available to other internet providers

Schedule

1. The goal is to get the towers built and commission the towers by the end of 2020. This will depend on safe weather conditions. Otherwise the build may be delayed to spring 2021 with subscriber installations to begin thereafter. This is an AGGRESSIVE schedule and dependent on getting Council approval for the tower sites.