

Town Of Grenfell Utilities



Town of Grenfell
October 2017
cao.grenfell@sasktel.net

UTILITIES

Water

The water system consists of two wells which have a capacity of 1972 m³/day which is sufficient to provide enough water for 6500 persons assuming on both wells an average demand of 288 l/person/day.

The new Reverse Osmosis Water Treatment Plant can process 1199 m³ / day (in 22 hrs).

Guidelines for water storage are two average day demand plus one hour of fire flow at 64 L/s. This calculates to 1015 m³ storage requirement at full growth. The reservoir has a current capacity of 1015 m³ which is sufficient.

In summary and unlike many other Saskatchewan communities, Grenfell's water system is in great shape and has sufficient capacity for the projected growth.

Water Service Charges

The following quarterly rates shall apply for the use of water:

- a) \$ 58.00 for the first 4000 gallons;
- b) \$ 7.00 per thousand gallons (1,000) gallons or part thereof.

Waste Water and Sewage

Effluent Disposal

The primary cell has an area of 4.66 ha (11.52 acres) which provides a treatment capacity for 1815 persons (745 more than the projected growth requirement). The secondary cell has a storage capacity of 84,900 m³ which provides sufficient storage for 1918 people for 210 days. This is 918 persons more than the projected growth requirement.

In summary, Grenfell's sewage treatment: system is in good shape to accommodate the projected growth.

Storm Water

Drainage is handled by a combination of storm water pipe (minor system) and surface drainage (major system).

Waste Water and Sewage Charges

The following quarterly rates shall apply for the use of sewer:

- a) \$ 25.00 per quarter

Natural Gas

SaskEnergy, the primary provider of natural gas in Grenfell always has the ability to expand its infrastructure if required to accommodate growth and to meet your business's needs.

Call Cindy Fenske, Business Manager, Yorkton/Weyburn Area, SaskEnergy Incorporated, 40 Palliser Way, Yorkton, Saskatchewan, S3N 3Z4, 1 (306) 786-2398 to discuss your specific needs and requirements.

Power

All properties in Grenfell are in close proximity to 3 phase and single phase power service.

Call Sask Power at 1-888-757-6937 to discuss your specific needs and requirements.

Telecommunications

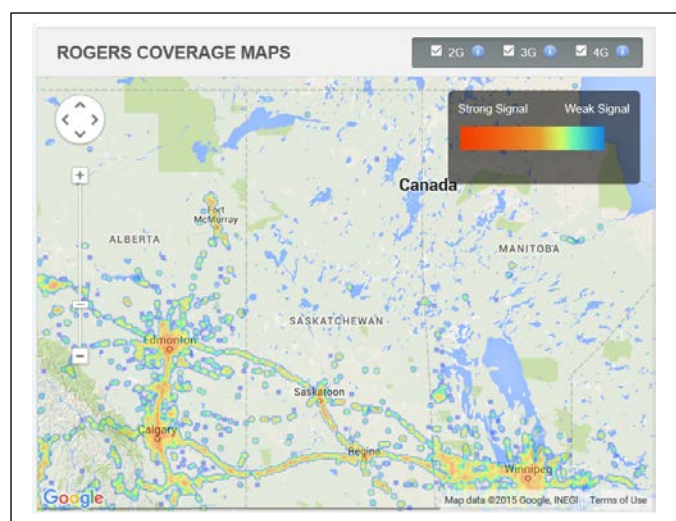
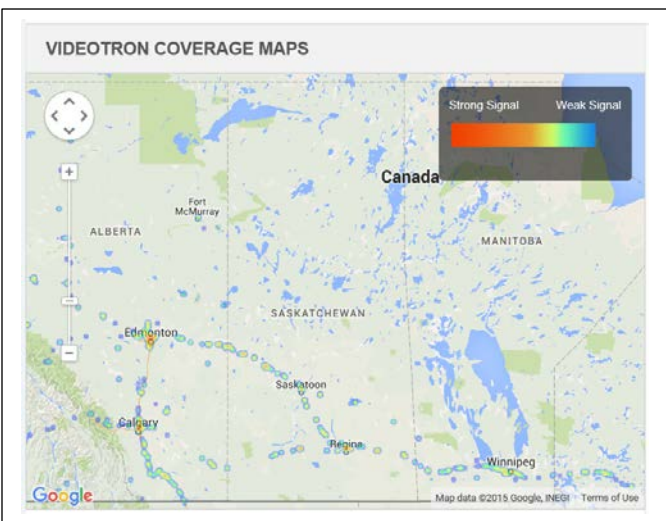
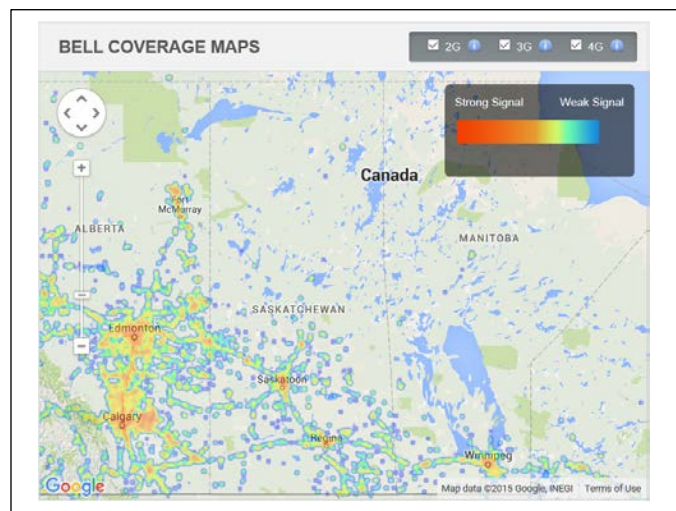
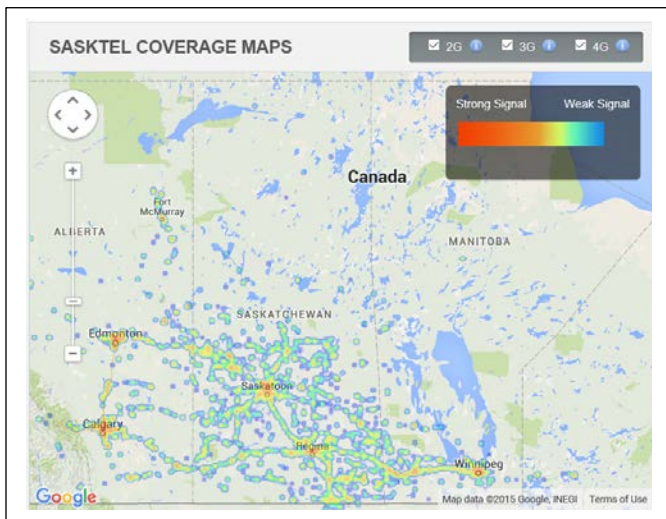
Telephone Services

The primary provider of land line telephone is SaskTel.

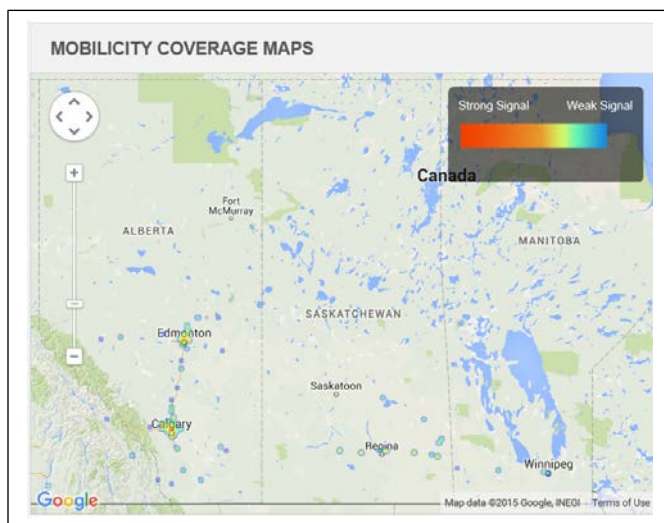
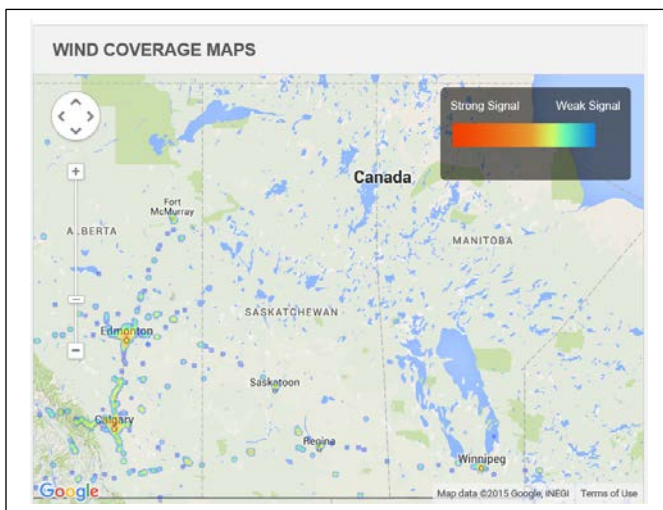
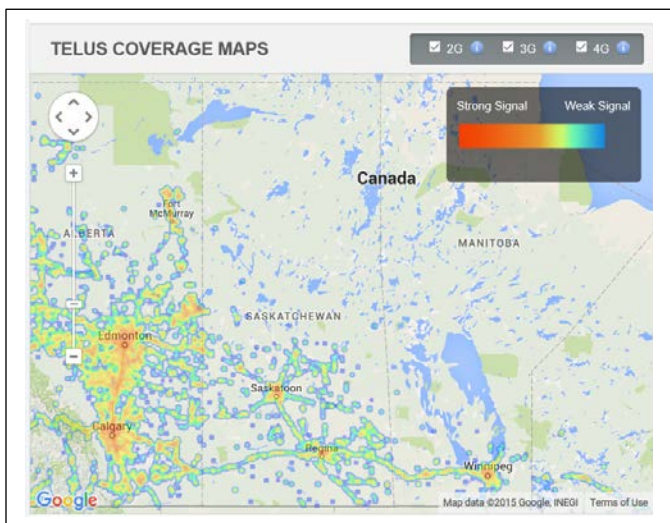
Call SaskTel products and services 1-800-SASKTEL (1-800-727-5835) to discuss your specific needs and requirements.

Cellular Services

¹Cellular services in the area are provided by the following companies:



¹ OpenSignal <http://opensignal.com/>



Comparative Statics Table

	<i>Sask Tel</i>	<i>Bell</i>	<i>Videotron</i>	<i>Rogers</i>	<i>Telus</i>	<i>Wind</i>
Mobile Country Code	302	302	302	302	302	302
Mobile Network Code	780	610	500	720	220	490
3G Download Speed	1.8 Mb/s	2.5 Mb/s	4.9 Mb/s	1.7 Mb/s	2.3 Mb/s	1.7 Mb/s
4G Download Speed	10.7 Mb/s	9.7 Mb/s	21.2 Mb/s	10.2 Mb/s	9.6 Mb/s	NA
3G Upload Speed	0.4 Mb/s	0.4 Mb/s	0.5 Mb/s	0.3 Mb/s	0.3 Mb/s	0.3 Mb/s
4G Upload Speed	4.1 Mb/s	2.7 Mb/s	10.9 Mb/s	3.3 Mb/s	2 Mb/s	NA
2G Latency	NA	NA	483 ms	836 ms	NA	NA
3G Latency	568 ms	622 ms	558 ms	558 ms	565 ms	586 ms
4G Latency	33 ms	50 ms	84 ms	56 ms	44 ms	NA
2G Data Reliability	NA	NA	63%	58%	NA	NA
3G Data Reliability	83%	75%	83%	81%	85%	85%
4G Data Reliability	84%	80%	100%	82%	83%	NA
Latency Spread	100%	100%	100%	100%	100%	100%
4G First Seen on	18th of Mar 2014	20th of Jul 2013	16th of Jul 2014	27th of May 2013	13th of Nov 2013	NA

Internet Services

A number of Internet Service Providers who provide high speed and satellite service the area:

- Sasktel;
- Xplornet;
- Yourlink; and
- Shaw