HIGH SPEED INTERNET BUILT BY US FOR US

FREQUENTLY ASKED QUESTIONS

WHAT IS THE GOAL OF THIS PROJECT?

We are working with ROCK Networks to fund, design and build a our own high-speed internet network in Yellowhead County.

WOULD THE NETWORK BE WIRELESS OR FIBRE?

It could be both, and every area could be different. Many factors play a role in determining what kind of network it will be. Our options are fibre (both in the ground and pole to pole) as well as wireless.

WHAT SPEEDS WILL THE NETWORK ALLOW?

We are looking to meet or exceed the CRTC guidelines of wired speeds: 10 Mbps up and 50 Mbps down and wireless/ satellite speeds: 5 Mbps up 25 Mbps down (Mbps: Megabits per second). Our goal is to enable 1GB download speed for fibre connections and meet the requirements for wireless.

WHAT IS A COMMUNITY BROADBAND NETWORK?

ROCK Networks assists communities in funding, building, and operating a revenue-generating Community Broadband Network. They do so in three phases:

1. Identify your community's strengths and opportunities and help provide a customized solution that minimizes costs and ensures universal access for Yellowhead County.
2. Create a custom roadmap and business model for revenue-generating broadband. This is where we ensure the profits will stay in the community.
3. Build and maintain a high-quality broadband network with high-speed internet access for all.

WHO WILL BE MY SERVICE PROVIDER?

If the network project moves forward, it would be dependent upon which providers are interested in using our network to provide the service. The goal here is to provide the community with choice and competitive pricing.

ROCK NETWORKS

Yellowhead County

BENEFITS OF FIBRE

FAST

Fibre is the fastest internet service available, with increased download & upload speeds as well as faster access to various media types & larger files

RELIABLE

Fibre optic cables are light-weight, resistant to environmental hazards, and less prone to downtime like copper based services

FUTURE-PROOF

Fibre can provide enough bandwidth to sustain increased demands for decades to come

WHY NOT SATELLITE?

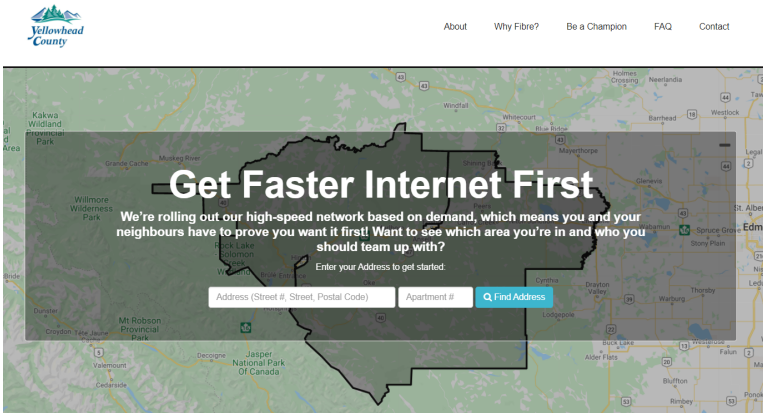
SpaceX's low-orbiting Starlink satellites have been getting launched into space since May 2019. So far, it has about 835 satellites, but it will need 12,000 to get the network going. It's unclear when Canadians will actually be able to call Elon Musk their ISP.

STARLINK'S CHALLENGES

- Limited capacity - maximum simultaneous 100Mb streams: 485,000 at full capacity
- Affected by weather events (unsuitable for business / mission critical)
- Privately and foreign owned
- Will almost certainly be subject to data caps and throttling
- Does not enable competition
- Bandwidth demands are continuously rising as the number of connected devices and density of content increases
- Cost unknown
- Availability unknown

ROCK NETWORKS SERVICE ZONE PLATFORM

The Service Zone Platform is a demand aggregation tool enabling the network builder to collect grassroots' desire for better broadband and pre-sell Internet connections.



What excites people to commit is the concept of Service Zones – splitting the targeted area into smaller competing zones, where the zones showing the greatest demand will be connected first.

https://rocknetworks.servicezones.net/yellowheadcounty

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