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Community Internet Society

The Edge

Community Newsletter

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CBC live streaming: <https://www.cbc.ca/>



Inside the Edge-Edgewood and Fauquier and area.

COVID-19 Proposal Success

During the first wave of the **COVID-19** Pandemic, the federal, provincial and local trust reached out to small rural area service providers to upgrade their infrastructure and equipment in order to provide faster speed to citizens during the lock down.

Through funding from NDIT, CBT, ECIS and IEB had been able to successfully up graded all our access points equipment and client's radios. Our heartfelt gratitude, to NDIT and CBT for their Funding.

On behalf of its subscribers special thanks to ECIS directors, staff, and contractors.

NDIT- Joel McKay, chief executive officer" Congratulations on the successful completion of the inside of the edge-Edgewood, Fauquier, and area".

June 2020 CIS embarked on a project to upgrade core infrastructure to support higher data rates and lower latency to customers. To take advantage and maximize the newly upgraded Telus internet feed (**E1000**) PTP Back haul links needed to be upgraded to support the increased capacity.

Antennas and Access points needed to be upgraded to increase quality of service and provide access for new subscribers.

ECIS Covid Response - Network Upgrade

Completion of the Network upgrade has provided increased capacity to Goat mountain as well as 4 of the main access point locations. Higher Throughput and Lower Latency has been extended to all Access Points.

Network Infrastructure (the EDGE)

Upgrade of main network router (higher capacity to match new E1000 service) as well as upgrading core switches and cabling has improved service by lowering latency and providing increased security at The EDGE.

PTP Backhaul Link to Goat Mountain

Installation of Air Fiber Link from The EDGE to GOAT mountain has increased capacity from: (avg) 175 Mbps up / 100 Mbps down to: (avg) 650 Mbps up / 650 Mbps down. [The Switch to 24 Ghz for this link has freed up spectrum for APs and secondary PTP links]

PTP Backhaul Links to AP3, AP4, AP6, AP7

Installation of 5.8 Ghz Air Fiber radios and noise rejecting horn antennas has increased capacity and lowered latency of the network extension to these APs.

From: (avg) 40 Mbps up / 20 Mbps down To: (avg) 100 Mbps up / 40 Mbps Down

AP Antenna Upgrades

Upgrading of access point antennas to higher quality noise rejecting has reduced the overall noise floor and provided for higher data rates and lower latency to the subscribers.

Adding APs on different frequencies

The addition of 2.4 Ghz APs at The EDGE, AP6 and AP7 have provided more options to connect subscribers as well as an opportunity to move subscribers to balance the load.

John Holman
In The Air Networks
<https://www.itan.ca>

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The addition of 5.8 Ghz APs at The EDGE, GOAT, AP18 and AP19 have provided more options to connect subscribers as well as an opportunity to move subscribers to balance the load.

John Holman
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Registered charities in Canada perform valuable work in our communities, and Canadians support this work in many ways.

The Edge's Registered Charity #86745 45 RR0001. We welcome regular givers.
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