

Fibre Optic Broadband

INTERNET SERVICES



"CBBC's high-speed, reliable fibre optic, network means we can now schedule video conferences as needed."
— RED Mountain Adventures



Improving High-speed Internet Access in the Basin

Broadband Internet access in rural areas is the single largest contributor to economic activity, prosperity and social inclusion. That's why Columbia Basin Broadband Corporation (CBBC)* has developed a next generation (NGN) technologically advanced, fully IPv6 enabled, redundant, dual-homed (Calgary and Vancouver) open access fibre optic network.

With bandwidths of up to 10 Gbps, scalable to 400 Gbps, the 975 km long network with 35 POPs serves the Columbia Basin–Boundary region of southeastern British Columbia. Narrowing the 'digital divide' between metropolitan areas and our exclusively rural region, CBBC promotes and enables e-commerce and connectivity via fibre optic broadband.

"CBBC has brought us a service unrivaled by any other provider. The bandwidth and reliability has transformed our entire approach to technology."
— School District 20

Sample CBBC Activities and Services

- Middle and last mile fibre optic network build
- Last mile build and third party last mile network management
- Regional co-location services
- NOC monitoring services
- 10 Gbps wavelength service
- Wholesale Internet bandwidth (IP transit)
- Layer 3 Internet bandwidth
- Custom build dark fibre segments (subject to geographic limitations)
- Fibre optic backhaul

Contact:

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*CBBC is a wholly owned subsidiary of Columbia Basin Trust

Service Objectives

- Symmetrical Speeds 10 Mbps to 10 Gbps
- Exceptional Network Operations Center (NOC) technical support
- 99.99% availability
- 99% packet success rate
- On-net latency and jitter less than 5 ms
- 3 hour MTTR (Mean Time to Repair) for critical and high incidents
- 15 minute MTTR (Mean Time to Respond) for any incident

“The CBBC network is driving collaboration and coordination between municipal and regional governments and the development of innovative technological solutions in the region. For Example, the disaster recovery project shared between the City of Trail and the Regional District of Central Kootenay, saves taxpayers thousands of dollars while providing a world-class disaster recovery solution that protects our local governments.”

David Oosthuizen, RDCK

Peak Efficiency

- Our Internet backbone connects redundantly to multiple TIER1 carriers
- Measured average on-net latency less than 2.8 ms*
- Measured average on-net availability >99.99%*

*measured over a three-month period

Main Partners and Customers

CBBC successfully works with:

- Government of Canada
- Province of British Columbia
- Regional Districts
- School Districts
- Selkirk College
- Municipalities
- Internet Service Providers
- Financial institutions, and
- Large-scale industrial clients.

