



# OPEN ACCESS BACKBONE NETWORK PRICE LIST

JUNE 13, 2022

Prepared by IBI Group on behalf of Clearwater County

(Approved March 24, 2023)



# Reference Price Offer: Active/ Lit Wholesale Transport Services

- Physical redundancy cannot be offered on the arterial routes from RMH to the secondary Points of Presence, based on network design and architecture. Redundancy can only be offered initially between RMH and Calgary.
- Gateway/Internet access can be supplied if requested, at a charge of cost-plus administration charges.
- Multi-Point Layer Switching (MPLS) can be added on if required.

Clearwater County Open Access Broadband Transport Network <b>Promotional</b> Reference Offer/Price Sheet					
Telecommunication Service Providers: Prices valid from June 2022 to December 2023					
Product/Service	Installation Fee (one-time) * and **	Price (monthly)	Unit	Term	Other key terms
<b>A. Active Transport services -</b>					
1 Gigabit connection (Layer 2/ethernet redundant circuit) RMH - CGY	\$1,500	\$550	RMH POP to IXP, per month	1 year minimum contract term	Carrier grade service with quality of service objectives/guarantees per SLA; where available
10 Gigabit connection (layer 2/ethernet redundant circuit) RMH-CGY	\$1,500	\$3,750	RMH POP to IXP, per month	1 year minimum contract term (to include 2- 5 year terms)	Carrier grade service with quality of service objectives/guarantees per SLA; where available
1 Gigabit connection (Layer 2/ethernet circuit) per segment (local POP to RMH)	\$750	\$450	Local POP to RMH per month	1 year minimum contract term	Carrier grade service with quality of service objectives/guarantees per SLA; where available
10 Gigabit connection (layer 2/ethernet circuit) per segment (local POP to RMH)	\$750	\$2,000	Local POP to RMH, per month	1 year minimum contract term	Carrier grade service with quality of service objectives/guarantees per SLA; where available
100 Gigabit connection (layer 2/ethernet non-redundant circuit) RMH - CGY	\$1,500	\$10,000	RMH POP to IXP, per month	1 year minimum contract term	Carrier grade service with quality of service objectives/guarantees per SLA; where available
100 Gigabit connection (layer 2/ethernet redundant circuit) RMH - CGY	\$1,500	\$19,000	RMH POP to IXP, per month	1 year minimum contract term	Carrier grade service with quality of service objectives/guarantees per SLA; where available

\* Installation fee waived for contract term 36 months or greater.

\*\* Separate construction charges may apply.

# Reference Price Offer: Passive/ Dark Fibre Strands

- Based on lower bound of dark fibre prices we have observed in rural transport projects.
- Capital lease/ Indefeasible Right of Use (IRU) price set at ~ 2 times, 5 year annual leases.

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<b>B. Dark/passive fibre strands</b>					
Strand (1 year)	\$	\$750	Per km, per year	1 year lease	Includes maintenance; minimum contract value: \$1,000
Strand (3 years)	\$	\$650	Per km, per year	3 year lease, with option to renew at same price for another 3	Includes maintenance; minimum contract value: \$3,000
Strand (5 years)	\$	\$550	Per km, per year	5 year lease, with option to renew at same price for another 5	Includes maintenance; additional strands @ \$450 per km per year; minimum contract value: \$5,000
Strand (20 years)	\$	\$5,500	Per km, upfront	20 year capital lease/IRU	Annual maintenance fee of \$55 per year per km, plus proportionate cost sharing if relocation is required; additional strands at \$4,500 per km

# Reference Price Offer: Excess Conduit Duct per Path (max 2)

- Cost plus pricing: Proportionate construction cost plus mark up.
- Equivalent to 4 strands of fibre to make large ISPs indifferent.

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<b>C. Excess Conduit/ Duct</b>					
One duct path	\$	\$1,950	Per km, per year	10 year lease with option to renew	Includes maintenance; must lease the entirety of a route
One duct path	\$	\$17,500	Per km, upfront	20 year capital lease/IRU	Annual maintenance fee of \$175 per year per km, plus proportionate cost sharing if relocation is required; must lease the entirety of a route

# Reference Price Offer: Tower attachment and colocation

- Monthly rate for antennae attachment on limited load capacity for ISP/WISPs to expand their wireless service offering.
- Can pass along power costs and make operator responsible for repair and maintenance of the equipment.
- Operator is responsible for one time set up and removal costs.

**Clearwater County Open Access Broadband Transport Network **Promotional** Reference Offer/Price Sheet**  
Telecommunication Service Provider; Prices valid from June 2022 to December 2023; **Updated March 24<sup>th</sup> 2023**

Product/ Service	Installation Fee (one-time)	Price (monthly)	Unit	Term	Other key terms
<b>D. Tower Attachment &amp; Colocation Fees</b>					
One Attachment Aperture & One RU rack space	To be quoted	\$600	Per month	5 year lease with option(s) to renew	Includes maintenance; two meters of exclusive vertical space on the tower
Rack space with backed up power	To be quoted	\$200	Per rack, per month	3 or 5 year lease with option(s) to renew	Secure climate controlled space