

NELSON COUNTY BROADBAND AUTHORITY
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RESOLUTION R2018-10
NELSON COUNTY BROADBAND AUTHORITY
ESTABLISHED SCHEDULE OF WHOLESALE RATES, FEES, AND CHARGES

WHEREAS, Pursuant to §15.2-5431.25 (B) and (C) of the Virginia Wireless Service Authority Act, the Nelson County Broadband Authority may fix and revise rates, fees and other charges after a public hearing at which all of the users of such facilities; the owners, tenants or occupants of property served or to be served thereby; and all others interested have had an opportunity to be heard concerning the proposed rates, fees and charges; and

WHEREAS, the Authority adopted Resolution R2018-08 on September 11, 2018, setting forth the preliminary schedule or schedules fixing and classifying such rates, fees and charges, having given notice of a public hearing, setting forth the proposed schedule or schedules of rates, fees and charges, given by two publications, at least six days apart, in a newspaper having a general circulation in the area to be served by such systems at least 60 days before the date fixed in such notice for the hearing, and

WHEREAS, the Authority conducted said public hearing on December 11, 2018,

NOW, THEREFORE, BE IT RESOLVED, by the Nelson County Broadband Authority that the amended schedule fixing and classifying proposed rates, fees, and charges is as follows:

Local Wholesale Access Rates (Rates for Providers to Utilize the Network for Transport to an End User):

NCBA Proposed Service Types				
Service Tier	Service Class	Service Type	Recommended Wholesale Cost	Comment
Tier 1	Residential GPON	25/5 Mbps	\$25	Best Effort (maximum 32:1 split)
	Residential GPON	50/10 Mbps	\$50	Best Effort, maximum 32:1 split)
	Residential GPON	1000/50 Mbps	\$75	Best Effort (maximum 32:1 split)
Tier 2	Business GPON	25/25 Mbps	\$60	higher priority than Best Effort (maximum 16:1 split)
	Business GPON	50/50 Mbps	\$150	higher priority than Best Effort (maximum 16:1 split)
	Business GPON	100/100 Mbps	\$300	higher priority than Best Effort (maximum 16:1 split)
	Dedicated Business	250/250 Mbps	\$450	Active Ethernet, higher priority than Best Effort
	Dedicated Business	500/500 Mbps	\$850	Active Ethernet, higher priority than Best Effort
	Dedicated Business	1000/1000 Mbps	\$1000	Active Ethernet, higher priority than Best Effort

Tier 3	Wide Area LAN Service	100/100 Mbps	\$400	Active Ethernet, highest priority, supports QinQ (two or more connections may be needed)
	Wide Area LAN Service	500/500 Mbps	\$640	Active Ethernet, highest priority, supports QinQ (two or more connections may be needed)
	Wide Area LAN Service	1000/1000 Mbps	\$830	Active Ethernet, highest priority, supports QinQ (two or more connections may be needed)

Service Types:

- **Tier 1** – Transport service from the service provider’s port in the data center to a single customer location. Traffic is untagged at the customer. Circuit is typically asymmetric and priority is set at Best Effort across the core network. NCBA will observe a maximum 32:1 split.
- **Tier 2** - Transport service from the carrier or provider’s port in the colo to a single customer location. Traffic is untagged at the customer. GPON circuits are symmetric and the priority is set higher than Tier 1 for better performance across the core network. NCBA will observe a maximum 16:1 split on this service tier for GPON connections. Active Ethernet connections are symmetric and have a higher traffic priority than Tier 1 services. An example of this is a package of Internet access for a business with regular use of videoconferencing, heavy cloud-based service use, and large file uploads.
- **Tier 3** – Transport service between the carrier or provider’s port in the colo as well as between multiple customer locations (fee applies for each end-point outside of provider’s NNI). Passed traffic can be tagged or untagged as well as supporting Q-in-Q. The circuit is symmetric and traffic has the highest priority across the core network. An example of this would be a transparent LAN service to link two customer locations.

Non-Recurring Charges:

Non-recurring charges (NRC) are those costs incurred in connection with the installation of the fiber drop and ONT. The customer will be responsible for the payment of these costs.

Colocation Charges for Providers within NCBA shelters:

Quantity	Monthly Cost
2 RU	\$75.
One-half rack	\$200.
Full Rack	\$350.

All rentals are based on a space available basis. Rental will include access to one 20 amp, 120 volt circuit. Redundant CC power (-48 volt) will be available as well. The Colocation charges include up to 20 amps of DC power. Additional DC power, subject to availability, will be priced at \$6.25 per amp in 10 amp increments.

Tower Access:

Option 1:

Location on Tower	Price per Month per Customer
Top thirty feet in 10 foot sections	\$275 per antenna for first three antennas (includes cables and ancillary equipment such as tower mounted amplifiers) \$150 per additional antenna installed by the same lessee.
Next thirty feet in 10 foot sections	\$175 per antenna for first three antennas (includes cables and ancillary equipment such as tower mounted amplifiers) \$90 per additional antenna installed by the same lessee.
Remaining access in 10 foot sections	\$50 per antenna (includes cables and ancillary equipment such as tower mounted amplifiers)

All tower access charges are in addition to a site access fee of \$200 per month. Site access fee entitles lessee access to electric power (contracted for by lessee) and ground space for cabinet (10 square feet). Shelter colocation charges and local transport charges are additional as are lease space for placing shelters, generators or other equipment. Items not specifically addressed will be priced on an individual basis.

Preference will be given to providers wishing space higher on the towers. The NCBA may limit the size of antennas or duration of leases for antennas located below the top 80 feet.

Tower leases will be accepted based on maximum allowable loading of a tower. If, in the sole discretion of the NCBA, an analysis of the structural integrity of the tower is deemed necessary, then the costs of the analysis will be borne by the lessee.

Option 2:

WIRELESS INTERNET SERVICE PROVIDERS (WISPs) may enter a master lease for tower space on all NCBA owned or operated towers. The tower access charge under the master lease (the "Master Tower Access Charge") shall be \$2,000 per month. For each tower the NCBA adds to its system subsequent to the adoption of this rate schedule, the Master Tower Access Charge shall automatically increase by \$250 per month. The Master Tower Access Charge also includes any colocation charges in available shelters and cabinets located at the tower sites as well as 10 square feet of ground space for lessee's cabinet. The location of the tower space leased pursuant to this paragraph shall be determined in the sole discretion of the NCBA. If, in the sole discretion of the NCBA, an analysis of the structural integrity of a tower is deemed necessary, then the costs of the analysis will be borne by the lessee.

These rates apply to towers operated by the NCBA. Rates for towers leased by the NCBA may be subject to approval by the lessor.

Dark Fiber Operating Leases:

The NCBA will have a limited number of fibers available for dark fiber leasing at an annual rate of \$1,250 per leased fiber per mile. The minimum number of miles per fiber is five miles. Initial fiber leases will be leased on an annual basis for a period of not less than one year and not more than two years.

If available, NCBA will allocate a maximum of 24 NCBA fiber strands in any given cable for dark fiber leases. No single provider may lease more than 8 dark fiber strands allocated in any cable.

Dark fiber operating leases will be available only to broadband service providers who provide, or intend to provide, broadband services in Nelson County. Direct-buried fiber in neighborhoods is excluded from dark fiber leasing.

Increase in Rates:

Rates are firm for a contract or lease term which does not exceed five years.

For contract and lease terms exceeding five years, the contract or lease shall provide for either of the following payment adjustments: (a) if an extension of an original term is month-to-month or year-to-year, then beginning with the first month of the extension, payment shall be increased 3%, and thereafter by 3% on each subsequent annual anniversary, or (b) if the term is for five years with a right of renewal in five year increments, then upon each renewal payment shall be increased 12%.

Penalty and Interest:

Any sum due NCBA and unpaid by the due date shall be assessed a 10% penalty and carry interest at the rate of 12% *per annum*.

Approved: December 11, 2018

Attest: , Secretary
Nelson County Broadband Authority