

**RESOLUTION NO. 1791**

**A Resolution of the Commissioners  
of Public Utility District No. 1 of Okanogan County  
Updating Wholesale Broadband Rates on the District's Telecommunication System**

**WHEREAS**, the District has installed a fiber-optic and wireless telecommunications system to provide wholesale broadband services to retail providers; and

**WHEREAS**, the District has established rates for wholesale services charged to retail providers; and

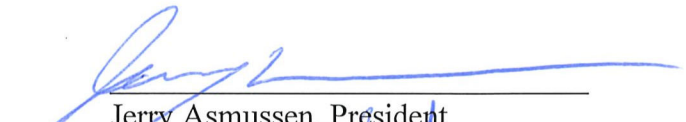
**WHEREAS**, it is necessary to periodically review the rates to verify that the services offered and charges for such services are fair and reasonable; and

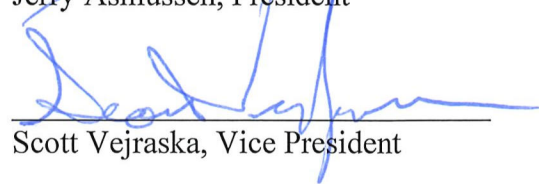
**WHEREAS**, the District has determined that an update to its Wholesale Broadband Rates is necessary to adjust certain service offerings and rates and to clarify service definitions; and

**WHEREAS**, this Resolution supersedes previous rate resolutions and service definitions without affecting the terms of existing written contracts.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Commissioners of Public Utility District No. 1 of Okanogan County adopts the Wholesale Broadband Rate Schedule attached hereto as Exhibit A and the Service Definitions attached hereto as Exhibit B, to be effective March 1, 2023, without affecting the terms of existing written contracts.

Dated this 13th day of February 2023.

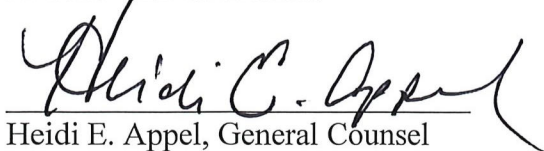
  
\_\_\_\_\_  
Jerry Asmussen, President

  
\_\_\_\_\_  
Scott Vejraska, Vice President

ATTEST:

\_\_\_\_\_  
William C. Colyar, Secretary

APPROVED as to form:

  
\_\_\_\_\_  
Heidi E. Appel, General Counsel

**Resolution No. 1791 – Exhibit B**  
**Okanogan County PUD**  
**Service Definitions**

*Residential Fiber Services*

The type of property defined by the parcel definition or zoning as “Residential” a single dwelling or multi-dwelling land with a building structure for the sole purpose of providing living accommodations. Residential Services would include Voice, Video, Data, or Internet with limitations to the capacity of the services without the ability to retransmit or resell the services to any party outside the residential parcel being served. These services would be for the sole purpose of resident personnel use. Service levels or quality of services would be defined as “Best Effort,” and Customer Premise Equipment “CPE” devices would be defined as basic equipment with limited functionality. All services must be provided to the residential user through a “Retail Service Provider” with billing information related to the customer and location.

Limitations:

- No Resale, Re-transmit, or Transport beyond the residential property is allowed
- Service response will be limited to 8:00 am to 5:00 pm Monday thru Friday (excluding Holidays)

*Small Business Fiber Services*

The type of property defined by the parcel definition or zoning as ”Residential,” “Commercial,” or “Industrial” a structure or land with categories of Living Accommodations, Leisure, Retail, Office, Industrial, or Government. Small Business Services would include Voice, Video, Data, or Internet with limitations to the capacity of services without the ability to retransmit or resell the services to any party outside the parcel being served. Service levels or quality of services would be defined as “Basic,” and Customer Premise Equipment “CPE” devices would be defined as basic equipment with limited functionality. All services must be provided to Small Business addresses through a “Retail Service Provider” with billing information related to the customer and location.

Limitations:

- No Resale, Re-transmit, or Transport beyond the Small Business property is allowed
- Service response will be limited to 7:00 am to 7:00 pm Monday thru Saturday (excluding Holidays)

### *Carrier/Large Business Fiber Services*

A Carrier/Large Business is defined as a business with the sole intent to provide telecommunications or communication services to a customer, business, or another carrier or provider. The type of services could be defined as “Residential,” “Commercial,” or the delivery of services to another Carrier or Provider. Service delivery within the Carrier’s network for the sole purpose to transport or preparation for service delivery to customers would be defined as “Carrier/Large Business” grade services. Services delivered to another Carrier or Provider would be classified as “Carrier/Large Business” grade services.

Services would be defined as “Basic,” “Redundant,” or “Self-Healing” and subject to availability, pricing, and a Service Level Agreement “SLA.” The Customer Premise Equipment “CPE” devices would be defined as commercial grade, installed based on the service delivery and service level requirements outlined by the “Provider.” All services must have end user billing information to be defined as “Residential” or “Commercial”; otherwise would be classified as Carrier/Large Business Services.

#### Limitations:

- SLA – Defined by Service Type: Basic, Redundant, or Self-Healing

***Note: All services which are Re-transmitted, resold, or transported that are not a resident or commercial business which is billed or invoiced from the provider will be defined as Carrier/Large Business Services.***

Response to service-related issues will be offered in order of service type, with service priority offered in the following order:

Priority 1 – Hosted Services (Colocation & Hosted Routing)

Priority 2 - Carrier & Large Business Grade services

Priority 3 – Small Business Grade Services

Priority 4 – Residential Grade Services

Priority 5 – Wireless Services

## *Hosted Routing Services*

Hosted routing services are a value-added service that allows Retail Service Providers to forego the responsibility of managing and maintaining their own routing infrastructure to route customer traffic to an upstream Internet Bandwidth provider. This service is only available to Retail Service Providers whose entire customer base is served solely from the broadband infrastructure that is owned and operated by the Public Utility District No. 1 of Okanogan County. The services offered under the Hosted Routing package are as follows:

### **1Gig Package Description**

One 1GbE Network interface to support the transport of RSP traffic within the PUD's network infrastructure

One 1GbE Network interface to support connectivity to Upstream Internet Bandwidth  
RSP traffic traversing the PUD's backbone network shall take advantage of any ring avoidance protocols in place on said backbone

Installation & Maintenance of Hosted Routing Service

24 x 7 x 365 Troubleshooting & Maintenance

Ongoing Router Configuration Management (Config Modifications)

Routable IPv4 & IPv6 address acquisition and management

On-Line access to the following graphed router stats upon request:

- CPU utilization vs Time
- Memory Utilization vs. Time
- BW Utilization on Commercial Traffic Port vs. Time
- BW Utilization on Upstream Internet Bandwidth Port vs. Time

### **10Gig Package Description**

One 10GbE Network interface to support the transport of RSP traffic within the PUD's network infrastructure

One 10GbE Network interface to support connectivity to Upstream Internet Bandwidth  
RSP traffic traversing the PUD's backbone network shall take advantage of any ring avoidance protocols in place on said backbone

Installation & Maintenance of Hosted Routing Service

24 x 7 x 365 Troubleshooting & Maintenance

Ongoing Router Configuration Management (Config Modifications)

Routable IPv4 & IPv6 address acquisition and management

On-Line access to the following graphed router stats upon request:

- CPU utilization vs Time
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- BW Utilization on Upstream Internet Bandwidth Port vs. Time

### *Waiver of Non-Reoccurring charges*

The District will waive the \$40 non-recurring charge for each District provided Legacy Wifi Broadband connection that an RSP converts to the Cambium Wireless System as a PUD requirement.

### *Wireless Broadband*

As many variables outside of our control are factored into the throughput available over a wireless link, the PUD deems services offered over our wireless infrastructure to be of a “Reasonable Effort” nature and wireless connection speeds offered over said infrastructure cannot be guaranteed.

**Resolution No. 1791 – Exhibit A**

<b>Carrier Services</b>	<b>5Yr Term MRC</b>
Dark Fiber (per strand per mile, min 2 strands, min 10 miles)	\$50.00

<b>Wavelength Services</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
100G Point-to-Point Connection over WDM	\$5,450.00	\$4,850.00	\$4,250.00
100G PtP over WDM NRC	\$50,000.00	\$15,000.00	\$0.00
10G Point-to-Point Connection over WDM)	\$2,900.00	\$2,580.00	\$2,260.00

<i>(*NRC=non-recurring charge)</i>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
10GBaseX Optical Interface	\$50.00	\$150.00	\$128.00	\$105.00
1000BaseX Optical/Copper Interface	\$50.00	\$100.00	\$85.00	\$70.00
Ethernet Data Rate (Mgmt) 10Mbps	\$50.00	24.00	\$20.00	\$17.00
Ethernet Data Rate 10Mbps	\$50.00	24.00	\$20.00	\$17.00
Ethernet Data Rate 20Mbps	\$50.00	43.00	\$37.00	\$30.00
Ethernet Data Rate 30Mbps	\$50.00	60.00	\$51.00	\$42.00
Ethernet Data Rate 40Mbps	\$50.00	76.00	\$65.00	\$53.00
Ethernet Data Rate 50Mbps	\$50.00	91.00	\$77.00	\$64.00
Ethernet Data Rate 60Mbps	\$50.00	105.00	\$89.00	\$74.00
Ethernet Data Rate 70Mbps	\$50.00	118.00	\$100.00	\$83.00
Ethernet Data Rate 80Mbps	\$50.00	131.00	\$111.00	\$92.00
Ethernet Data Rate 90Mbps	\$50.00	143.00	\$122.00	\$100.00
Ethernet Data Rate 100Mbps	\$50.00	155.00	\$132.00	\$109.00
Ethernet Data Rate 200Mbps	\$50.00	257.00	\$218.00	\$180.00
Ethernet Data Rate 300Mbps	\$50.00	339.00	\$288.00	\$237.00
Ethernet Data Rate 400Mbps	\$50.00	407.00	\$346.00	\$285.00
Ethernet Data Rate 500Mbps	\$50.00	466.00	\$396.00	\$326.00
Ethernet Data Rate 600Mbps	\$50.00	517.00	\$439.00	\$362.00
Ethernet Data Rate 700Mbps	\$50.00	562.00	\$478.00	\$393.00
Ethernet Data Rate 800Mbps	\$50.00	601.00	\$511.00	\$421.00
Ethernet Data Rate 900Mbps	\$50.00	635.00	\$540.00	\$445.00
Ethernet Data Rate 1000Mbps	\$50.00	666.00	\$566.00	\$466.00
Ethernet Data Rate 2000Mbps	\$50.00	\$906.00	\$770.00	\$634.00
Ethernet Data Rate 3000Mbps	\$50.00	\$1,083.00	\$921.00	\$758.00
Ethernet Data Rate 4000Mbps	\$50.00	\$1,232.00	\$1,047.00	\$862.00
Ethernet Data Rate 5000Mbps	\$50.00	\$1,360.00	\$1,156.00	\$952.00
Ethernet Data Rate 6000Mbps	\$50.00	\$1,470.00	\$1,250.00	\$1,029.00
Ethernet Data Rate 7000Mbps	\$50.00	\$1,575.00	\$1,339.00	\$1,103.00
Ethernet Data Rate 8000Mbps	\$50.00	\$1,672.00	\$1,421.00	\$1,170.00
Ethernet Data Rate 9000Mbps	\$50.00	\$1,764.00	\$1,499.00	\$1,235.00
Ethernet Data Rate 10000Mbps	\$50.00	\$1,850.00	\$1,573.00	\$1,295.00

<b>Carrier Services (Cont.)</b>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
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Protected Ethernet Data Rate 10Mbps	\$50.00	\$12.00	\$10.00	\$8.00
Protected Ethernet Data Rate 20Mbps	\$50.00	\$21.50	\$18.00	\$15.00
Protected Ethernet Data Rate 30Mbps	\$50.00	\$30.00	\$26.00	\$21.00
Protected Ethernet Data Rate 40Mbps	\$50.00	\$38.00	\$32.00	\$27.00
Protected Ethernet Data Rate 50Mbps	\$50.00	\$45.50	\$39.00	\$32.00
Protected Ethernet Data Rate 60Mbps	\$50.00	\$52.50	\$45.00	\$37.00
Protected Ethernet Data Rate 70Mbps	\$50.00	\$59.00	\$50.00	\$41.00
Protected Ethernet Data Rate 80Mbps	\$50.00	\$65.50	\$56.00	\$46.00
Protected Ethernet Data Rate 90Mbps	\$50.00	\$71.50	\$61.00	\$50.00
Protected Ethernet Data Rate 100Mbps	\$50.00	\$77.50	\$66.00	\$54.00
Protected Ethernet Data Rate 200Mbps	\$50.00	\$128.50	\$109.00	\$90.00
Protected Ethernet Data Rate 300Mbps	\$50.00	\$169.50	\$144.00	\$119.00
Protected Ethernet Data Rate 400Mbps	\$50.00	\$203.50	\$173.00	\$142.00
Protected Ethernet Data Rate 500Mbps	\$50.00	\$233.00	\$198.00	\$163.00
Protected Ethernet Data Rate 600Mbps	\$50.00	\$258.50	\$220.00	\$181.00
Protected Ethernet Data Rate 700Mbps	\$50.00	\$281.00	\$239.00	\$197.00
Protected Ethernet Data Rate 800Mbps	\$50.00	\$300.50	\$255.00	\$210.00
Protected Ethernet Data Rate 900Mbps	\$50.00	\$317.50	\$270.00	\$222.00
Protected Ethernet Data Rate 1000Mbps	\$50.00	\$333.00	\$283.00	\$233.00
Protected Ethernet Data Rate 2000Mbps	\$50.00	\$453.00	\$385.00	\$317.00
Protected Ethernet Data Rate 3000Mbps	\$50.00	\$541.50	\$460.00	\$379.00
Protected Ethernet Data Rate 4000Mbps	\$50.00	\$616.00	\$524.00	\$431.00
Protected Ethernet Data Rate 5000Mbps	\$50.00	\$680.00	\$578.00	\$476.00
Protected Ethernet Data Rate 6000Mbps	\$50.00	\$735.00	\$625.00	\$515.00
Protected Ethernet Data Rate 7000Mbps	\$50.00	\$787.50	\$669.00	\$551.00
Protected Ethernet Data Rate 8000Mbps	\$50.00	\$836.00	\$711.00	\$585.00
Protected Ethernet Data Rate 9000Mbps	\$50.00	\$882.00	\$750.00	\$617.00
Protected Ethernet Data Rate 10000Mbps	\$50.00	\$925.00	\$786.00	\$648.00
Carrier Interconnection	\$100.00	\$600.00	\$600.00	\$600.00

<b>Small Business Services</b>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
0100BaseT Connection (Full Port Capacity)	\$50.00	\$65.00	\$55.00	\$50.00
1000BaseT Connection (Full Port Capacity)	\$50.00	\$75.00	\$65.00	\$60.00

<b>Residential Services</b>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3 Yr Term MRC</b>
0100BaseT Connection (Full Port Capacity)	\$50.00	\$35.00	\$35.00
1000BaseT Connection (Full Port Capacity)	\$50.00	\$45.00	\$45.00

<b>Backbone Transport</b>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
Local Loop Mileage Fee (per mile)		\$10.00	\$10.00	\$10.00

<b>Wireless Services</b>	<b>NRC</b>	<b>1Yr Term MRC</b>
Broadband Wireless 3/1Mbps		\$10.00
Broadband Wireless 7/3Mbps		\$17.00
Broadband Wireless 12/6Mbps		\$24.00
Broadband Wireless 20/10Mbps		\$31.00
Cambium Wireless 3/1Mbps		\$10.00
Cambium Wireless 7/2Mbps		\$17.00
Cambium Wireless 12/3Mbps		\$24.00
Cambium Wireless 20/5Mbps		\$31.00
Wireless Subscriber Module	\$40.00	\$8.00
WiFi Subscriber Module	\$40.00	\$3.00

<b>Hosted Services</b>	<b>NRC</b>	<b>1Yr Term MRC</b>	<b>3Yr Term MRC</b>	<b>5Yr Term MRC</b>
Hosted Routing 1 GigE Capable	\$300.00	\$500.00		
Hosted Routing 10 GigE Capable	\$300.00	\$1000.00		
Rooftop Colocation Space Base Charge (1 <sup>st</sup> 3 square feet)	\$100.00	\$350.00		
Rooftop Colocation Space addtl square foot		\$10.00		
Colocation Cabinet	\$100.00	\$500.00	\$435.00	\$370.00
Colocation 1/2 Cabinet	\$100.00	\$250.00	\$218.00	\$185.00
Colocation 1RU	\$100.00	\$58.00	\$50.00	\$43.00
Colocation AC Power (15Amp Circuit)	\$100.00	\$100.00	\$87.00	\$74.00
Colocation DC Power (15Amp Circuit)	\$100.00	\$140.00	\$122.00	\$104.00

<b>Technical Services and Support</b>	<b>NRC</b>
Engineering / Troubleshooting (rate per hour)	\$300.00

<b>Daily Fiber / Event Rate</b>	<b>DRC</b>
Designed for temporary use only 0100BaseT Connection, Full Port Capacity	\$20.00

**NOTE:** The Daily Event rate is available only at locations where Okanogan County PUD has broadband equipment already in place