

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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Title Sheet

UNBUNDLED NETWORK ELEMENTS  
SERVICE CATALOG  
OF  
FRONTIER COMMUNICATIONS NORTHWEST INC.  
180 S. Clinton Ave.  
Rochester, NY 14646

Consisting of

UNBUNDLED NETWORK ELEMENTS

This Schedule of Rates, Rules, and Regulations is  
Applicable to Unbundled Network Elements  
Provided in the Territory Served by the Company  
Within the State of Washington

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EXPLANATION OF SYMBOLS

- (C) - To signify changed regulation
- (D) - To signify discontinued rate or regulation
- (I) - To signify increase
- (K) - To signify that material has been transferred to another sheet in the Service Catalog
- (M) - To signify material transferred from another sheet in the Service Catalog
- (N) - To signify new rate or regulation
- (O) - To signify no change
- (R) - To signify reduction
- (T) - To signify a change in text

EXPLANATION OF ABBREVIATIONS

- ANSI - American National Standards Institute
- ASR - Access Service Request
- CCITT - Consultative Committee for International Telephone and Telegraph
- CDT - CLP Dedicated Transport
- CLP - Competitive Local Provider
- CPE - Customer Provided Equipment
- DA - Directory Assistance
- DSLAM - Digital Subscriber Lines Access Multiplexer
- EEL - Enhanced Extended Link
- EEL - Enhanced Extended Loop
- FDI - Feeder Distribution Interface
- IDT - Interoffice Dedicated Transport
- LSR - Local Service Request
- MDF - Main Distribution Frame
- MPOE - Minimum Point of Entry
- NACC - National Access Contact Center
- NID - Network Interface Device
- NOMC - National Open Market Center
- OS - Operator Services
- OSS - Operational Support Systems
- POTS - Plain Old Telephone Service
- SS7 - Signaling System 7
- UNE - Unbundled Network Element
- UNE-P - Unbundled Network Element - Platform
- WUTC - Washington Utilities and Transportation Commission

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SECTION 1 - APPLICATION OF THE SERVICE CATALOG

1.1 APPLICATION OF THE SERVICE CATALOG

Pursuant to the Washington Utilities and Transportation Commission's (WUTC) Twenty-ninth Supplemental Order Docket Nos. UT-960369, UT-960370, and UT-970371, this Service Catalog sets forth rates for Unbundled Network Elements (UNEs) for registered Competitive Local Providers (CLPs). Unless otherwise specified in this Service Catalog, the terms and conditions for ordering, provisioning, billing, maintenance and liabilities will be governed by the CLP Interconnection Agreements.

Unbundled Network Element rates listed under this Service Catalog shall only be provided to properly registered CLPs who have an effective Interconnection Agreement with the Company for this state under Sections 251 and 252 of the Telecommunications Act of 1996, or have adopted such an agreement pursuant to Section 252(i) thereof.

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SECTION 2 – GENERAL REGULATIONS

The general regulations, terms and conditions for the UNEs listed in this Service Catalog will be governed under the CLP's Interconnection Agreement, subject to 47 U.S.C. 251 and 47 C.F.R. part 51. This provision does not preclude any party from negotiating different UNE terms and conditions under 47 U.S.C. 251(c) (1).

The rates for the UNEs listed in this Service Catalog are rates that have been approved by the Commission for the listed UNEs. If, in its Interconnection Agreement, a CLP chooses to use a UNE service listed in this Service Catalog at the Service Cataloged rate, no additional rates for that service may be applied. However, the UNEs listed in this Service Catalog are not inclusive of all available UNEs currently listed in each CLP's Interconnection Agreement. The Commission has not addressed rates for UNEs not appearing on the list of UNEs filed in this Service Catalog.

The Company does not guarantee data modem speeds on Analog Loops.

In addition, the Company does not guarantee CLASS features will perform properly on Analog Loops provisioned utilizing subscriber analog carrier.

The Company will offer Operator Services (OS)/Directory Assistance Services (DA) at market-based prices and provide customized routing to a requesting CLP on a case-by-case basis.

Nonrecurring charges for space availability inquiries and field verifications for poles, ducts and conduits will be established for CLPs on a case-by-case basis per a separate pole, duct and conduit agreement.

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SECTION 2 – GENERAL REGULATIONS

Certain Withdrawn Network Elements

In accordance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking released on August 21, 2003 in CC Docket Nos. 01-338, 96-98, and 98-147 (the "Triennial Review Order"), and notwithstanding any other provision of this Service Catalog, after August 27, 2004, the Company will no longer provision new orders for any of the following, whether alone or in combinations or platforms with other network elements, except as otherwise required under an interconnection agreement approved by the Washington Utilities and Transportation Commission:

- ISDN PRI Digital Trunk Side Port
- ISDN PRI Digital Trunk Side Port Features
- Common (Shared) Transport for use with ISDN PRI Digital Trunk Side Port
- Unbundled Network Element Platform (UNE-P) combinations that include ISDN PRI Digital Trunk Side Port
- DS1 Digital Trunk Side Port
- DS1 Digital Trunk Side Port Features
- Common (Shared) Transport for use with DS1 Digital Trunk Side Port
- Unbundled Network Element Platform (UNE-P) combinations that include DS1 Digital Trunk Side Port

Notwithstanding any other provision of this Service Catalog, any of the following that is in service will be replaced with alternative arrangements after August 27, 2004, except as otherwise required under an interconnection agreement approved by the Washington Utilities and Transportation Commission:

- ISDN PRI Digital Trunk Side Port
- ISDN PRI Digital Trunk Side Port Features
- Common (Shared) Transport for use with ISDN PRI Digital Trunk Side Port
- Unbundled Network Element Platform (UNE-P) combinations that include ISDN PRI Digital Trunk Side Port
- DS1 Digital Trunk Side Port
- DS1 Digital Trunk Side Port Features
- Common (Shared) Transport for use with DS1 Digital Trunk Side Port
- Unbundled Network Element Platform (UNE-P) combinations that include DS1 Digital Trunk Side Port

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SECTION 2 – GENERAL REGULATIONS

Limitations on Unbundling Obligations – Effect on Rates

The following rate changes apply in accordance with the FCC's Order on Remand issued on February 4, 2005, in WC Docket No. 04-313 and CC Docket No. 01-338 (the "Triennial Review Remand Order"), and are without prejudice to any objections that the Company may interpose to the provisions of that order in any appropriate proceeding. The Company reserves such objections, as well as its right to further modify this Service Catalog based on subsequent changes in the governing law. After the transition period set forth below, these elements will no longer be available under this or any other Service Catalog.

DS-1 Loops

For the 12-month transition period beginning on March 11, 2005, any DS1 loop UNE being provided as of that date, but which the Company is not obligated to unbundle pursuant to FCC rules shall be available at a rate equal to the higher of (1) 115% of the rate the requesting CLP paid for the loop element on June 15, 2004, or (2) 115% of the rate the Commission established in Docket No. UT-023003 for that loop element. Where the Company is not required to provide unbundled DS1 loops pursuant to FCC rules, requesting CLPs may not obtain new DS1 loops as unbundled network elements on or after March 11, 2005.

DS-3 Loops

For the 12-month transition period beginning on March 11, 2005, any DS3 loop UNE being provided as of that date, but which the Company is not obligated to unbundle pursuant to FCC rules shall be available at a rate equal to the higher of (1) 115% of the rate the requesting CLP paid for the loop element on June 15, 2004, or (2) 115% of the rate the Commission established in Docket No. UT-023003 for that loop element. Where the Company is not required to provide unbundled DS3 loops pursuant to FCC rules, requesting CLPs may not obtain new DS3 loops as unbundled network elements on or after March 11, 2005.

Dark Fiber Loops

For an 18-month transition period beginning on March 11, 2005, any dark fiber loop UNEs being provided as of that date shall be available at a rate equal to the higher of (1) 115% of the rate the requesting CLP paid for the loop element on June 15, 2004, or (2) 115% of the rate the Commission established in Docket No. UT-023003 for that loop element. Requesting CLPs may not obtain new dark fiber loops as unbundled network elements on or after March 11, 2005.

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SECTION 2 – GENERAL REGULATIONS

Limitations on Unbundling Obligations – Effect on Rates (Continued)

DS1 Dedicated Transport

For a 12-month transition period beginning on March 11, 2005, any DS1 dedicated transport UNE being provided as of that date, but which the Company is not obligated to unbundle pursuant to FCC rules, shall be available at a rate equal to the higher of (1) 115 % of the rate the requesting CLP paid for the dedicated transport element on June 15, 2004, or (2) 115 % of the rate the Commission established in Docket No. UT-023003 for that dedicated transport element. Where the Company is not required to provide unbundled DS1 transport pursuant to FCC rules, requesting CLPs may not obtain new DS1 transport as unbundled network elements on or after March 11, 2005.

DS3 Dedicated Transport

For a 12-month transition period beginning on March 11, 2005, any DS3 dedicated transport UNE being provided as of that date, but which the Company is not obligated to unbundle pursuant to FCC rules, shall be available at a rate equal to the higher of (1) 115 % of the rate the requesting CLP paid for the dedicated transport element on June 15, 2004, or (2) 115 % of the rate the Commission established in Docket No. UT-023003 for that dedicated transport element. Where the Company is not required to provide unbundled DS3 transport pursuant to FCC rules, requesting CLPs may not obtain new DS3 transport as unbundled network elements on or after March 11, 2005.

Dark Fiber Dedicated Transport

For a 18-month transition period beginning on March 11, 2005, any dark fiber dedicated transport UNE being provided as of that date, but which the Company is not obligated to unbundle pursuant to FCC rules, shall be available at a rate equal to the higher of (1) 115 % of the rate the requesting CLP paid for the dedicated transport element on June 15, 2004, or (2) 115 % of the rate the Commission established in Docket No. UT-023003 for that dedicated transport element. Where the Company is not required to provide unbundled dark fiber transport pursuant to FCC rules, requesting CLPs may not obtain new dark fiber transport as unbundled network elements on or after March 11, 2005.

Local Circuit Switching

For a 12-month transition period from March 11, 2005, the price for unbundled DS0 Local Circuit Switching in combination with unbundled DS0 capacity loops and shared transport obtained pursuant to FCC rules shall be the higher of: (A) the rate at which the requesting CLP obtained that combination of network elements on June 15, 2004 plus one dollar, or (B) the rate the Commission established in Docket No. UT-023003 for that combination of network elements, plus one dollar. Requesting CLPs may not obtain new DS0 Local Circuit Switching as an unbundled network element on or after March 11, 2005.



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### SECTION 3 – CONDITIONS

#### 3.1 General

The CLP must purchase a Port to access the Common/Shared Transport.

Local Switching usage rates apply whenever a port is purchased. Local Switching cannot be purchased without a port.

#### 3.2 Line Share Arrangement Eligibility

In order for a loop to be eligible for a Line Share Arrangement the following conditions must be met:

- the analog voice-grade Plain Old Telephone Service (POTS) service and the dial tone must originate from a Company End Office Switch in the wire center where the Line Share Arrangement is being requested
- the xDSL technology deployed by the CLP does not interfere with the analog voice band transmission

The CLP is responsible for providing the splitter, its own Digital Subscriber Line Access Multiplexer (DSLAM) equipment in a collocation arrangement, and any necessary Customer Provided Equipment (CPE) for the data service provided.

Loops not used for traditional analog voice band service can not be shared.

The DSL technology used for Line Share Arrangements must be within the Power Spectrum Density (PSD) mask parameters set forth in ANSI T1E1.413, T1.419 and TR59 and those set forth in applicable Company Technical References. Such technologies currently include ADSL, RADSL, MVL and G.Lite. MVL (a proprietary technology) must meet the following criteria: In the band from 0 to 4 kHz, the transmit PSD shall be no greater than  $-7.5$  dBm/Hz. The aggregate power in the 0 to 4 kHz band, measured in 600 ohms shall not exceed +15 dBm.

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### SECTION 4 – DEFINITIONS

#### Call Related Databases

Call-related databases are defined as databases, other than operations support systems, that are used in signaling networks for billing and collection, or the transmission, routing, or other provision of a telecommunications service. Call-related databases include but are not limited to, the Calling Name Database, Line Information Database, Toll Free Calling Database, Advanced Intelligent Network Databases, and local number portability databases.

#### CLP Dedicated Transport (CDT)

CLP Dedicated Transport (CDT) offers the CLP the exclusive use of a point-to-point transmission path between the serving wire center of the CLP's switch location and the CLP's switch location.

#### Dark Fiber

Dark Fiber provides a CLP with two unlit fiber optic strands within an existing, in-place Company fiber optic cable sheath solely for use in the provision of telecommunications services.

#### Dark Fiber Interoffice Dedicated Transport (IDT)

Consists of fiber strand (s) that are located within a fiber optic cable between either (a) accessible terminals in two or more Company Central Offices or (b) an accessible terminal in a Company Central Office and an accessible terminal in a CLP Central Office, but, in either case, that has not been activated through connection to multiplexing, aggregation or other electronics that "light" it and thereby render it capable of carrying telecommunications services.

#### Dark Fiber Loop

Consists of fiber optic strand (s) in a Company fiber optic cable between the Company's accessible terminal, such as the fiber distribution frame, or its functional equivalent, located within a Company Wire Center and the Company's accessible terminal located in the Company's main termination point at a Customer premises, such as a fiber patch panel, and that has not been activated through connection to multiplexing, aggregation or other electronics that "light" it and thereby render it capable of carrying telecommunications services.

#### Dark Fiber Subloop Distribution

Consists of fiber optic strand(s) in a Company fiber optic cable between the Company's accessible terminal at a Company remote terminal equipment enclosure and the Company's accessible terminal located in the Company's main termination point located within a Customer premises that has not been activated through connection to multiplexing, aggregation or other electronics that "light" it and thereby render it capable of carrying telecommunications services.

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SECTION 4 – DEFINITIONS

Dark Fiber Subloop Feeder

Consists of fiber optic strand(s) in a Company fiber optic cable (a) between the Company's accessible terminal located within a Company Wire Center and the Company's accessible terminal at a Company remote terminal equipment enclosure or (b) between the Company's accessible terminals at Company remote terminal equipment enclosures and, that in both cases, has not been activated through connection to multiplexing, aggregation or other electronics that "light" it and thereby render it capable of carrying telecommunications services.

DS-1 Loop

DS-1 Loop provides a digital transmission channel suitable for the transport of 1.544 Mbps digital signals. The DS-1 Loop includes the electronics necessary to provide the DS-1 transmission rate. A DS-1 Loop will be provided only where the electronics necessary to provide the DS-1 transmission rate are at the requested installation date currently available for the DS-1 Loop. The Company will not install new electronics or build new facilities.

DS-3 Loop

DS-3 Loop will support the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps or the equivalent of 28 DS-1 channels. The DS-3 Loop includes the electronics necessary to provide the DS-3 transmission rate. A DS-3 Loop will be provided only where the electronics necessary to provide DS-3 transmission rate are at the requested installation date currently available for the requested DS-3 Loop. The Company will not install new electronics or build new facilities.

Enhanced Extended Link

Enhanced Extended Link (EEL) is a combination of unbundled loops, unbundled dedicated transport, and includes multiplexing where required.

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SECTION 4 – DEFINITIONS

4-Wire Analog Loop

A 4-Wire Analog Loop is a voice grade transmission facility that is suitable for the transport of analog voice signals between approximately 300 Hz to 3000 Hz, with line loss levels not to exceed 8.5 db. A 4-Wire Analog Loop may include load coils and bridge tap, as well as carrier derived facility components such as pair gain applications and loop concentrator/multiplexers.

Interim Local Number Portability (ILNP)

ILNP is an interim service arrangement provided by the Company to Customers whereby an end user, who switches subscription to local exchange service from the Company to a Competitive Local Provider (CLP) (Customer), is permitted to retain for his use the existing Company telephone number provided that the end user remains at the same location. ILNP is provided using the remote call forwarding capabilities of the switch, where currently available. ILNP is not available in exchanges where permanent Local Number Portability has been implemented.

Interoffice Dedicated Transport (IDT)

Interoffice Dedicated Transport (IDT) offers the Competitive Local Provider (CLP) exclusive use of a point-to-point transmission path between the CLP's collocation arrangements in Company central offices within the same LATA.

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### SECTION 4 – DEFINITIONS

#### Intra-Building House and Riser Cable

A two-wire metallic distribution facility in the Company's network between the minimum point of entry for a building where a premises of a Customer is located (such a point, an MPOE) and the Rate Demarcation Point for such facility (or NID) if the NID is located at such Rate Demarcation Point.

#### Line Sharing

Line sharing allows a separate high-speed data channel on an existing copper pair to be made available to the CLP. This single line (a shared loop), with the use of a splitter, simultaneously supports two different service providers, one for analog voice-grade POTS service and one for data communications.

#### Local Loop

The Local Loop Unbundled Network Element (UNE) is defined as the transmission facility (or channel or groups of channels on such facility) that extends from a Main Distribution Frame (MDF), or its equivalent, in the Company Central Office Switch or Wire Center up to and including the loop "demarcation point," including inside wire owned by the Company.

#### Local Switching

Local Switching provides the basic switching functions to originate, route and terminate traffic and any signaling deployed in the switch.

#### Loop Conditioning

Loop conditioning is the removal of load coils and any unnecessary filters and/or bridge tap that may exist on a local loop.

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### SECTION 4 – DEFINITIONS

#### Network Interface Device<sup>1</sup>

The Network Interface Device <sup>1</sup> (NID) provides the point of demarcation between the inside wiring of the end user and the Loop transmission elements. The NID is a single-line termination device, or that portion of a multiple-line termination device, required to terminate a single line or circuit. The NID provides a protective ground connection and is capable of terminating twisted copper pair facilities. The function of the NID is to establish the demarcation point between a telecommunications provider and its end user customer.

#### Port

The port provides for the interconnection of individual loops or trunks to the switching components of the Company's network. In general, it is a line card or trunk card and associated peripheral equipment on the Company's end office switch that serves as the hardware termination for the end user's network address on that switch and provides the end user access to the public switched telecommunications network. Each port is typically associated with one (or more) telephone number(s), which serve as the end users network address. The port charge does not include vertical features requested by the customer, but allows the customer to access such features. Separate rates for vertical features may apply. Each port shall also include a single basic white page listing in the Company Directory for each residential Customer, and/or a white and yellow page listing for each business Customer. A port is a measured service, and applicable usage and shared transport rates will apply.

#### Service Control Point (SCP)

A Service Control Point (SCP) is a remote database within the System Signaling 7 (SS7) network. The SCP supplies the translation and routing data needed to deliver advanced network services.

#### Shared Transport – Termination

The shared transport UNE is defined as interoffice transmission facilities shared by more than one carrier, including the Company, between end office switches, between end office switches and tandem switches; and between tandem switches, in the Company's network. Shared transport (also known as common transport) provides the shared use of interoffice trunk groups and tandem switching that is used to transport switched traffic, originating or terminating on a Company port, between central office switching entities. Shared transport will include tandem switching if the Company's standard network configuration includes tandem routing for traffic between these points. Shared transport is provided automatically in conjunction with port and local circuit switching. The Company reserves the right not to provide circuit switching and shared transport as a UNE under the circumstances described in 47 CFR § 51.319(d)(3)(ii).

<sup>1</sup> The cost for the NID only applies when the NID is purchased separately from the loop. The price of an analog loop also includes the cost of the NID.

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### SECTION 4 – DEFINITIONS

#### Signaling System 7 (SS7)

The common channel out-of-band signaling protocol developed by the Consultative Committee for International Telephone and Telegraph (CCITT) and the American National Standards Institute (ANSI). This protocol is currently used by the Company for all of its out-of-band signaling requirements.

#### Sub-Loop Distribution

Sub-Loop Distribution is a transmission path that extends from the Feeder Distribution Interface (FDI), or its functional equivalent, at a Company cross-connect box, to an end user customer premise. The NID at the end-user customer premise is included with this sub-loop element. Unbundled sub-loop distribution can be configured as either:

##### 2-Wire Distribution

2-Wire Distribution is a 2-wire transmission path that may include load coils, bridge taps, etc. This transmission path may include carrier derived facility components (i.e. pair gain applications, loop concentrators and/or loop multiplexers).

##### 4-Wire Distribution

A 4-Wire Distribution is a 4-wire transmission path that may include load coils, bridge taps, etc. This transmission path may include carrier derived facility components (i.e. pair gain applications, loop concentrators and/or loop multiplexers).

#### Sub-Loop Drop

Sub-Loop Drop extends from a terminal, such as on a pole or a pedestal to the end-user's premise. Unbundled drop can be configured as either:

##### 2-Wire Drop

2-Wire Drop provides access to the Company's copper drop pairs /facilities at the Company drop terminal.

##### 4-Wire Drop

4-Wire Drop provides access to the Company's copper drop pairs /facilities at the Company drop terminal.

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SECTION 4 – DEFINITIONS

Sub-Loop Feeder

Sub-Loop Feeder is a transmission path that extends from the MDF located in a Company Central Office to the Feeder Distribution Interface (FDI), or its functional equivalent, at a Company cross-connect box. Unbundled sub-loop feeder can be configured as:

2-Wire Feeder

2-Wire Feeder is a 2-wire transmission path that may include load coils, bridge taps, etc. This transmission path may include carrier derived facility components (i.e. pair gain applications, loop concentrators and/or loop multiplexers).

4-Wire Feeder

4-Wire Feeder is a 4-wire transmission path that may include load coils, bridge taps, etc. This transmission path may include carrier derived facility components (i.e. pair gain applications, loop concentrators and/or loop multiplexers).

2-Wire Analog Loop

A 2-Wire Analog Loop is a voice grade transmission facility that is suitable for transporting analog voice signals between approximately 300-3000 Hz, with loss not to exceed 8.5db. A 2-Wire Analog Loop may include load coils, bridge taps, etc. This facility also may include carrier derived facility components (i.e., pair gain applications, loop concentrator/multiplexers). This type of unbundled loop is commonly used for local dial tone services.



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SECTION 4 – DEFINITIONS

Tandem Switching (Usage)

Tandem usage is recorded for the purpose of unbundled element billing for usage traversing the Company tandem switch.

Unbundled Network Element–Platform (UNE–P) Combinations

Loop and port combinations previously utilized by the Company to provide local exchange and associated switched exchange access services will be made available as UNE–P combinations under the rates and charges of this Service Catalog. A UNE–P combination, as offered under this Service Catalog, consists of the combination of the following UNEs:

- Unbundled Local Loop<sup>1</sup> which is connected to unbundled local switching.
- Unbundled Local Switching<sup>1</sup> which provides access to the following UNEs:
  - Unbundled Port<sup>1</sup> and Common (Shared) Transport<sup>1</sup>
  - Signaling Systems<sup>1</sup> and Call Related Databases<sup>1</sup>

There is no collocation requirement to access local loop and local switch port UNE–P combinations.

Wire Center

The term “Wire Center” denotes a location in which one or more central office switches, and cross-connection equipment used for the provision of the Company telecommunications services, are located.

<sup>1</sup> Per definition in Section 4 of this Service Catalog.

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SECTION 5 – RATES

<u>Local Loops</u>	<u>Monthly Rate</u>
2-Wire (Analog and xDSL), Per Loop	
Zone 1	\$ 13.14
Zone 2	24.86
Zone 3	50.02
Zone 4	112.83
Zone 5	267.26
2-Wire Digital-ISDN-BRI, Per Loop	
Zone 1	\$23.25
Zone 2	42.44
Zone 3	87.45
Zone 4	228.49
Zone 5	699.61
2-Wire Customer Specific Signaling Loop, Per Loop	
Zone 1	\$17.30
Zone 2	28.30
Zone 3	51.21
Zone 4	121.19
Zone 5	313.05

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SECTION 5 – RATES

<u>Local Loops</u>	<u>Monthly Rate</u>
4-Wire Analog Voice Grade, Per Loop	
Zone 1	\$42.85
Zone 2	64.85
Zone 3	110.67
Zone 4	250.63
Zone 5	634.35
4-Wire Digital (56KD-64KD) Loop, Per Loop	
Zone 1	\$47.90
Zone 2	69.90
Zone 3	115.71
Zone 4	255.68
Zone 5	639.39
4-Wire (Customer Specified Signaling Loop and HDSL Loop), Per Loop	
Zone 1	\$42.85
Zone 2	64.85
Zone 3	110.67
Zone 4	250.63
Zone 5	634.35
DS1 Loop, Per Loop	
Zone 1	\$102.16
Zone 2	139.56
Zone 3	239.35
Zone 4	339.26
Zone 5	239.93

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SECTION 5 – RATES

<u>Local Loops</u> (Continued)	Monthly <u>Rate</u>
DS3 Loop, Per Loop	\$749.84
<u>Supplemental Features</u>	
ISDN-BRI Loop Extender (Digital)	14.95
<u>Subloops</u>	
2-Wire Distribution <sup>1</sup>	
Zone 1	7.90
Zone 2	14.71
Zone 3	25.09
Zone 4	45.06
Zone 5	70.66
2-Wire Drop, Per Line	
Zone 1	1.38
Zone 2	2.57
Zone 3	3.45
Zone 4	4.53
Zone 5	6.60

<sup>1</sup> When a 2-Wire or 4-Wire Distribution Subloop is purchased, the 2-Wire or 4-Wire Drop, Per Line monthly rate is not applicable.

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SECTION 5 – RATES

<u>Subloops (Continued)</u>	<u>Monthly Rate</u>
4-Wire Distribution <sup>1</sup>	
Zone 1	\$16.39
Zone 2	27.38
Zone 3	42.78
Zone 4	82.36
Zone 5	125.51
4-Wire Drop, Per Line	
Zone 1	\$2.77
Zone 2	5.14
Zone 3	6.89
Zone 4	9.05
Zone 5	13.21

<sup>1</sup> When a 2-Wire or 4-Wire Distribution Subloop is purchased, the 2-Wire or 4-Wire Drop, Per Line monthly rate is not applicable.

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SECTION 5 – RATES

	<u>Monthly Rate</u>
<u>Network Interface Device (NID)</u> <sup>1</sup>	
NID to NID Connection-2-Wire, per NID	\$0.81
NID to NID Connection-4-Wire, per NID	1.61
Standalone NID-DS1, per NID	0.88
<u>Intra-Building House &amp; Riser Cable</u>	
House and Riser Cable-Building Access, per pair	\$0.47
House and Riser Cable-Floor Access, per pair	0.47
<u>Reciprocal Compensation</u>	
Reciprocal Compensation - Meet Point A - Traffic Delivered at End Office (Per MOU)	0.000858
Reciprocal Compensation - Meet Point B - Traffic Delivered at Tandem (Per MOU)	0.002832

<sup>1</sup> The cost for the NID only applies when the NID is purchased separately from the loop. The price of a loop also includes the cost of the NID.

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SECTION 5 – RATES

LOCAL SERVICES – SEMI-MECHANIZED ORDERING

	<u>Nonrecurring Charge</u>
<u>Service Order Charges</u> <sup>1</sup> :	
Engineered, Initial Service – Unbundled Loops	\$208.37
Non-Engineered, Initial Service – Unbundled Loops	7.33
Engineered, Initial Service – Unbundled NIDs	10.95
Non-Engineered, Initial Service – Unbundled NIDs	10.19
Engineered, Initial Service – Unbundled Intra-Building House & Riser Cable	10.95
Non-Engineered, Initial Service – Unbundled Intra-Building House & Riser Cable	10.19
<u>Changeover Unbundled Loops – Service Order Charges</u> <sup>1,2</sup>	
Advanced – Basic (As Is)	\$19.90
DSO – (As Is)	19.90
DS1/DS3 (As Is)	22.93
<u>Service Connection Charges:</u>	
Central Office Connect, per loop	\$13.61
Outside Facility Connect – Unbundled Loops <sup>3</sup>	88.06
Outside Facility Connect – Unbundled NIDs <sup>3</sup>	42.96
Outside Facility Connect – Unbundled Intra-Building House & Riser Cable <sup>3</sup>	42.96
<u>Changeover Unbundled Loops – Service Connection Charges</u> <sup>2</sup>	
Advanced – Basic (As Is)	\$26.54
DSO – (As Is)	26.54
DS1/DS3 (As Is)	26.54

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Conversion from special access or private line circuits to unbundled loop.

<sup>3</sup> Per order when outside facility work is required.

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

SECTION 5 – RATES

LOCAL SERVICES – MANUAL ORDERING

	<u>Nonrecurring Charge</u>
<u>Service Order Charges</u> <sup>1</sup> :	
Engineered, Initial Service – Unbundled Loops	\$220.77
Non-Engineered, Initial Service – Unbundled Loops	22.07
Engineered, Initial Service – Unbundled NIDs	\$23.35
Non-Engineered, Initial Service – Unbundled NIDs	22.44
Engineered, Initial Service – Unbundled Intra-Building House & Riser Cable	23.35
Non-Engineered, Initial Service – Unbundled Intra-Building House & Riser Cable	22.44
<u>Changeover Unbundled Loops – Service Order Charges</u> <sup>1,2</sup>	
Advanced – Basic (As Is)	\$53.77
DSO – (As Is)	53.77
DS1/DS3 (As Is)	56.80
<u>Service Connection Charges:</u>	
Central Office Connect, per loop	\$13.61
Outside Facility Connect – Unbundled Loops <sup>3</sup>	88.06
Outside Facility Connect – Unbundled NIDs <sup>3</sup>	42.96
Outside Facility Connect – Unbundled Intra-Building House & Riser Cable <sup>3</sup>	42.96
<u>Changeover Unbundled Loops – Service Connection Charges</u> <sup>2</sup>	
Advanced – Basic (As Is)	\$26.54
DSO – (As Is)	26.54
DS1/DS3 (As Is)	26.54

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Conversion from special access or private line circuits to unbundled loop.

<sup>3</sup> Per order when outside facility work is required.



Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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SECTION 5 – RATES

DISCONNECT SERVICE ORDER CHARGES

	<u>Nonrecurring Charges</u>
Engineered, Disconnect Service - Unbundled Loops	\$80.19
Non-Engineered, Disconnect Service - Unbundled Loops	5.60

MISCELLANEOUS CHARGES<sup>1</sup>:

Expedite Charge:

Advanced Products, Initial Service or Subsequent Service	\$33.72
Exchange Products, Initial Service or Subsequent Service	3.36
National Access Contact Center (NACC) – Dedicated Transport	56.37

Coordinated Conversion Charge:

Engineered, Initial Service, per order	\$16.81
Non-Engineered, Initial Service, per order	16.81
Central Office Connect, per order	10.71
Outside Facility Connect, per order	9.59

Hot-Cut Coordinated Conversion Charge – Flat:

Engineered, Initial Service, per order	\$28.94
Non-Engineered, Initial Service, per order	28.94
Central Office Connect, per order	42.83
Outside Facility Connect, per order	38.34

Hot-Cut Coordinated Conversion Charge – Per Qtr. Hour:

Engineered, Initial Service, per order	\$6.07
Non-Engineered, Initial Service, per order	6.07
Central Office Connect, per order	10.71
Outside Facility Connect, per order	9.59
Customer Record Search, per account	\$4.21
Account Establishment, per CLP, per State	166.32

<sup>1</sup> Miscellaneous Wholesale charges listed above apply to both electronic and manual orders.

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

SECTION 5 – RATES

DEDICATED TRANSPORT

INTEROFFICE DEDICATED TRANSPORT

	<u>Nonrecurring Charges</u>	
	<u>Manual</u>	<u>Semi-Mechanized</u>
<u>Service Order Charges</u>		
Advanced – Basic (2-Wire & 4-Wire), Initial <sup>1</sup>	\$33.01	\$15.27
Advanced – Basic (2-Wire & 4-Wire), Subsequent <sup>1</sup>	28.72	10.98
Advanced – Basic (2-Wire & 4-Wire), Disconnect	23.90	7.77
Advanced – Complex (DS1 and above), Initial <sup>1</sup>	35.65	17.91
Advanced – Complex (DS1 and above), Subsequent <sup>1</sup>	28.72	10.98
Advanced – Complex (DS1 and above), Disconnect	24.30	8.17
	<u>Initial</u>	<u>Additional</u>
<u>Service Connection Charges</u> <sup>2</sup>	<u>Unit</u>	<u>Unit</u>
Advanced – Basic (2-Wire & 4-Wire), Initial	\$326.39	--
Advanced – Basic (2-Wire & 4-Wire), Subsequent	54.34	--
Advanced – Basic (2-Wire & 4-Wire), Disconnect	111.97	--
Advanced – Complex (DS1 and above), Initial	406.59	--
Advanced – Complex (DS1 and above), Subsequent	70.48	--
Advanced – Complex (DS1 and above), Disconnect	178.22	--
DS3 to DS1 Multiplexing	159.22	--

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Rates apply on a per-order basis.

Effective: September 22, 2013

UNBUNDLED NETWORK ELEMENTS

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SECTION 5 – RATES

DEDICATED TRANSPORT (Continued)

INTEROFFICE DEDICATED TRANSPORT

	<u>Monthly Charge</u>
DSO Transport Facility, Per Airline Mile	\$0.13
DSO Transport, Per Termination	15.86
DS1 Transport Facility, Per Airline Mile	3.13
DS1 Transport, Per Termination	19.70
DS3 Transport Facility, Per Airline Mile	16.80
DS3 Transport, Per Termination	118.34
<u>Multiplexing</u>	
DS1 to Voice Multiplexing	\$315.89
DS3 to DS1 Multiplexing	651.14

Effective: September 22, 2013

UNBUNDLED NETWORK ELEMENTS

SECTION 5 – RATES

ENHANCED EXTENDED LOOPS (EELS)

<u>Service Order Charges</u>	<u>Nonrecurring Charges</u>	
	<u>Manual</u>	<u>Semi-Mechanized</u>
Advanced – Basic (2-wire & 4-wire), Initial <sup>1</sup>	\$33.01	\$15.27
Advanced – Basic (2-wire & 4-wire), Subsequent <sup>1</sup>	28.72	10.98
Advanced – Basic (2-wire & 4-wire), Changeover (As Is) <sup>1,2</sup>	53.77	19.90
Advanced – Basic (2-wire & 4-wire), Disconnect	23.90	7.77
DSO, Initial <sup>1</sup>	33.01	15.27
DSO, Subsequent <sup>1</sup>	28.72	10.98
DSO, Changeover (As Is) <sup>1,2</sup>	53.77	19.90
DSO, Disconnect	23.90	7.77
DS1/DS3, Initial <sup>1</sup>	35.65	17.91
DS1,DS3, Subsequent <sup>1</sup>	28.72	10.98
DS1/DS3, Changeover (As Is) <sup>1,2</sup>	56.80	22.93
DS1/DS3, Disconnect	24.30	8.17
<u>Service Connection Charges</u> <sup>3</sup>	<u>Initial Unit</u>	<u>Additional Unit</u>
Advanced – Basic (2-wire & 4-wire), Initial	\$284.28	--
Advanced – Basic (2-wire & 4-wire), Subsequent	39.95	--
Advanced – Basic (2-wire & 4-wire), Changeover (As Is) <sup>2</sup>	26.54	--
Advanced – Basic (2-wire & 4-wire), Disconnect	137.19	--
DSO, Initial	360.32	--
DSO, Subsequent	27.55	--
DSO, Changeover (As Is) <sup>2</sup>	26.54	--
DSO, Disconnect	124.97	--
DS1/DS3, Initial	351.03	--
DS1/DS3, Subsequent	60.64	--
DS1/DS3, Changeover (As Is) <sup>2</sup>	26.54	--
DS1/DS3, Disconnect	139.23	--

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Conversion from special access or private line circuits to EELS or Dedicated Transport.

<sup>3</sup> Rates apply on a per-order basis.

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

SECTION 5 – RATES

ENHANCED EXTENDED LINKS (EELS)

Rates are developed by combining the following elements as appropriate. See individual rates elsewhere in this Section.

Loops  
Multiplexing  
Dedicated Transport

Testing

2 Wire Analog Test Charge	\$0.03
2 Wire Digital Test Charge	0.03
4 Wire Analog Test Charge	0.07
DS1 (1.544 mbps) Test Charge	0.08
Digital 4 Wire (56 or 64 kbps) Test Charge	0.07

ISDN EEL Transport

2 Wire ISDN - Fixed includes one end only	\$15.16
2 Wire ISDN - Per Mile	0.39

LOOP CONDITIONING

Nonrecurring Charges

<u>Service Connection Charges</u>	<u>Initial Unit</u>	<u>Additional Unit</u>
Exchange – Bridged Tap Removal, One Occurrence	\$194.38	--
Exchange – Bridged Tap Removal, Multiple Occurrences	391.68	--
Exchange – Load Coil Removal Only	391.68	--
Exchange – Bridged Tap (One) and Load Coil	506.77	--
Exchange – Bridged Tap (Multiple) and Load Coil	704.08	--

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

SECTION 5 – RATES

UNBUNDLED DARK FIBER TRANSPORT

	<u>Nonrecurring Charges</u>	
<u>Service Order Charges</u>	<u>Manual</u>	<u>Semi-Mechanized</u>
Advanced – Service Inquiry Charge <sup>1</sup>	\$415.12	\$413.51
Advanced – Interoffice Dedicated Transport, Initial <sup>1</sup>	18.26	16.65
Advanced – Interoffice Dedicated Transport, Disconnect	7.61	7.61
	<u>Initial Unit</u>	<u>Additional Unit</u>
<u>Service Connection Charges</u> <sup>2</sup>		
Advanced – Interoffice Dedicated Transport, Initial	\$87.78	--
Advanced – Interoffice Dedicated Transport, Disconnect	87.78	--
		<u>Monthly Charge</u>
<u>Dark Fiber Interoffice Dedicated Transport</u>		
Dark Fiber - IOF - Frontier CO to Frontier CO - Serving Wire Center Chrg/Pair/SWC		\$7.05
Dark Fiber - IOF - Frontier CO to Frontier CO - Interoffice Mileage Per Pair Per Mile		120.06
Dark Fiber - IOF – Frontier CO to Frontier CO - Intermediate Office		14.09

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Rates apply on a per-order basis.

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

SECTION 5 – RATES

UNBUNDLED SUBLOOP

	<u>Nonrecurring Charges</u>	
<u>Service Order Charges</u>	<u>Manual</u>	<u>Semi-Mechanized</u>
Exchange – Distribution Interconnection, Initial <sup>1</sup>	33.46	\$14.47
Exchange – Distribution Interconnection, Subsequent <sup>1</sup>	26.13	7.14
Exchange – Distribution Interconnection, Disconnect	23.71	7.53
Exchange – Serving Terminal Interconnection, Initial <sup>1</sup>	33.46	14.47
Exchange – Serving Terminal Interconnection, Subsequent <sup>1</sup>	26.13	7.14
Exchange – Serving Terminal Interconnection, Disconnect	23.71	7.53
	<u>Initial</u>	<u>Additional</u>
<u>Service Connection Charges</u> <sup>2</sup>	<u>Unit</u>	<u>Unit</u>
Exchange – Distribution Interconnection, Initial	\$49.72	\$37.28
Exchange – Distribution Interconnection, Subsequent	22.62	10.18
Exchange – Distribution Interconnection, Disconnect	23.65	11.21
Exchange – Serving Terminal Interconnection, Initial	21.69	13.01
Exchange – Serving Terminal Interconnection, Subsequent	17.81	9.13
Exchange – Serving Terminal Interconnection, Disconnect	17.81	9.13

<sup>1</sup> In addition to the Service Order Charges, Operational Support Systems (OSS) charges in this Section following apply on a per Local Service Request (LSR) and Access Service Request (ASR) basis. In addition to the Service Order Charges, the National Open Market Center (NOMC) charges in this Section following apply on a LSR basis.

<sup>2</sup> Rates apply on a per-order basis.

Effective: September 22, 2013

UNBUNDLED NETWORK ELEMENTS

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SECTION 5 – RATES

LINE SHARING (Continued)

OPERATIONAL SUPPORT SYSTEMS (OSS) CHARGES:<sup>1</sup>

	<u>Nonrecurring Charges</u>
OSS Transition Charge, per Local Service Request (LSR)/Access Service Request (ASR)	\$3.27
OSS Transaction Charge, per Local Service Request (LSR)/Access Service Request (ASR)	3.76
<u>NATIONAL OPEN MARKET CENTER (NOMC) CHARGE:</u> <sup>1</sup>	
NOMC Shared/Fixed Charge, per Local Service Request (LSR)	4.40
	<u>Monthly Rate</u>
<u>E911</u>	
E911 Database - ALI Gateway, Per Month	\$23.10

<sup>1</sup> Service Order Charges for Manual and Semi-Mechanized Ordering, CLP-Owned Splitter in Virtual, CLP Collocation Space and Company-Owned Splitter apply in addition to Operational Support Systems (OSS) and National Open Market Center (NOMC) Charges.



Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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SECTION 6 – WIRE CENTERS GROUPED BY ZONE

<b>CLLI</b>	<b>Wire Center</b>
<b><u>Zone 1</u></b>	
ANCRWAXX	Anacortes
BLANWAXB	Blaine
BOTHWAXB	Bothell
BURLWAXA	Burlington
CLVWWAXA	Clearview
EVRTWAXC	Everett Casino & Primary Center
EVRTWAXF	Everett Main
HLLKWAXX	Halls Lake
JUNTWAXA	Juanita
KNWCWAXA	Kennewick-Highlands
KNWCWAXB	Kennewick-Main
KRLDWAXX	Kirkland
LKSTWAXA	Lake Stevens
MONRWAXX	Monroe
MRWYWAXA	Manor Way
MTVRWAXX	Mount Vernon
MYVIWAXX	Marysville
OKHRWAXX	Oak Harbor
RCBHWAXX	Richmond Beach
RCLDWAXA	North Richland
RCLDWAXB	Richland
RDMDWAXA	Redmond
SLLKWAXA	Silver Lake
SMSHWAXA	Sammamish
SNHSWAXX	Snohomish
WNTCWAXX	Wenatchee
WSPTWAXA	Westport

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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SECTION 6 – WIRE CENTERS GROUPED BY ZONE

<b>CLLI</b>	<b>Wire Center</b>
<b><u>Zone 2</u></b>	
ARTNWAXX	Arlington
BGLKWAXX	Big Lake
BRBAWAXA	Birch Bay
CAMSWAXX	Camas
CMISWAXA	Camano Island
CNWWAXX	Conway
CPVLWAXX	Coupeville
CSHRWAXX	Cashmere
CSTRWAXA	Custer
DVLLWAXX	Duvall
EVSNWAXX	Everson
EWNCWAXA	East Wenatchee
FNDLWAXA	Ferndale
GRFLWAXX	Granite Falls
GRLDWAXX	Grayland
	Kennewick-Meadow
KNWCWAXC	Springs
LACNWAXX	La Conner
LARLWAXX	Laurel
LKGWWAXA	Lake Goodwin
LYNDWAXX	Lynden
NCHSWAXX	Naches
PLMNWAXX	Pullman
STWDWAXX	Stanwood
SULTWAXX	Sultan
SWLYWAXA	Sedro Woolley
WDLWAXA	Woodland
WRDLWAXA	West Richland
WSHGWAXA	Washougal

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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SECTION 6 – WIRE CENTERS GROUPED BY ZONE

<b>CLLI</b>	<b>Wire Center</b>
<b><u>Zone 3</u></b>	
ACMEWAXA	Acme
ALGRWAXX	Alger
BNCYWAXX	Benton City
BRPTWAXX	Bridgeport
CHLNWAXX	Chelan
CNCRWAXX	Concrete
DMNGWAXA	Deming
DRTNWAXX	Darrington
EDSNWAXX	Edison
HMTNWAXA	Lyman
LKWNWAXA	Lake Wenatchee
LVWOWAXX	Leavenworth
MNSNWAXA	Manson
MPFLWAXA	Maple Falls
MRBLWAXX	Marblemount
NILEWAXX	Nile
NWPTWAXX	Newport
PALSWAXX	Palouse
QNCYWAXX	Quincy
RPBLWAXA	Republic
SKYKWAXX	Skykomish
SOLKWAXX	Soap Lake
STPSWAXA	Stevens Pass
SUMSWAXX	Sumas
WSRVWAXA	Washougal River

Effective: September 22, 2013

**UNBUNDLED NETWORK ELEMENTS**

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SECTION 6 – WIRE CENTERS GROUPED BY ZONE

<b>CLLI</b>	<b>Wire Center</b>
<b>Zone 4</b>	
BRWSWAXA	Brewster
CRLWWAXA	Curlew
ENTTWAXX	Entiat
FRFDWAXA	Fairfield
FRTNWAXX	Farmington
GERGWAXX	George
GRFDWAXX	Garfield
LATHWAXA	Latah
LOMSWAXA	Loomis
MLDNWAXA	Malden
MLSNWAXA	Molson-Chesaw
MNFDWAXX	Mansfield
OKDLWAXX	Oakesdale
RCFRWAXB	Rockford
ROSLWAXA	Rosalia
TEKOWAXX	Tekoa
TNSKWAXA	Tonasket
WTVLWAXA	Waterville
<b>Zone 5</b>	
THTNWAXA	Thornton