BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

In the Matter of the Pricing Proceeding for –960369) Docket No. UT
Interconnection, Unbundled Elements, Transport and Termination, and Resale)	(Phase II)
In the Matter of the Pricing Proceeding for Interconnection, Unbundled Elements, Transport and termination, and Resale for U S WEST)))	Docket No UT-960370 (Phase II)
Communications, Inc.))
In the Matter of the Pricing Proceeding for Interconnection, Unbundled Elements, Transport and Termination, and Resale for GTE Northwest Incorporated)))	Docket No. UT-960371 (Phase II)

TESTIMONY OF

LARRY B. BROTHERSON

ON BEHALF OF

U S WEST COMMUNICATIONS, INC.

FEBRUARY 15, 2000

DOCKET NOS. UT-960369, -960370, -960371

DIRECT TESTIMONY OF LARRY B. BROTHERSON

TABLE OF CONTENTS

TOPIC	PAGE
IDENTIFICATION OF WITNESS	1
PURPOSE OF TESTIMONY	2
Collocation Overview	3
Collocation Rate Elements	7
Collocation Availability	17
CONCLUSION	18
EXHIBITS	21

IDENTIFICATION OF WITNESS

Q. PLEASE STATE YOUR NAME, OCCUPATION AND BUSINESS
 ADDRESS.

1

23

A. My name is Larry B. Brotherson. I am employed by U S WEST
 Communications, Inc. ("U S WEST") as a director in the Wholesale
 Markets organization. My business address is 1801 California Street,
 Room 610, Denver, Colorado 80202.

8 Q. BRIEFLY OUTLINE YOUR EMPLOYMENT BACKGROUND.

- 9 In 1979, I joined Northwestern Bell Telephone Company. I have held A. 10 several assignments within Northwestern Bell, and later within 11 U S WEST, primarily within the law department. Over the past 20 years, 12 I have been a state regulatory attorney in Iowa, a general litigation 13 attorney for the company and a commercial attorney supporting several 14 organizations within U S WEST addressing legal questions, drafting **15** contracts, and advising on legal issues associated with various products. 16 With the passage of the Federal Telecommunications Act of 1996, I was 17 assigned to be the attorney in support of the interconnection group. In 18 that role, I was directly involved in negotiating contract language with 19 CLECs dealing with various section of the Act, such as collocation. A 20 considerable amount of detail and effort was spent on U S WEST 21 collocation language. In 1999, I assumed my current duties as director of 22 wholesale advocacy.
 - My responsibilities include coordinating the witnesses for all interconnection

1 arbitrations as well as working with various groups within the Wholesale 2 Markets organization of U S WEST Communications to develop 3 testimony addressing issues associated with interconnection services. 4 Q. WHAT IS YOUR EDUCATIONAL BACKGROUND? 5 A. My formal education consists of two degrees: a Bachelor of Arts degree 6 from Creighton University in 1970, and a Juris Doctorate degree from 7 Creighton University in 1973. 8 HAVE YOU PREVIOUSLY TESTIFIED IN WASHINGTON? Q. 9 No. A. 10 **PURPOSE OF TESTIMONY** 11 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY? 12 The purpose of this testimony is to describe U S WEST's collocation A. 13 products and the collocation provisioning processes; including 14 descriptions of the proposed collocation rate elements. I also describe 15 how U S WEST's collocation service offerings comply with the Federal 16 Communications Commission (FCC) orders in CC Docket Nos. 96-98 and 98-147. These collocation service offerings comply with the national 17 18 rules for collocation established by the FCC's First Report and Order, CC 19 Docket No. 96-98, Implementation of the Local Competition Provisions 20 in the Telecommunications Act of 1996, released August 8, 1996 (First 21 Interconnection Order), and the First Report and Order, CC Docket No. 22 98-147, Deployment of Wireline Service Offering Advanced

- 1 Telecommunications Capability, released March 31, 1999 (Advanced
- 2 Services Order).

COLLOCATION

2	Col	location Overview
3	Q.	PLEASE PROVIDE A BRIEF OVERVIEW OF COLLOCATION.
4	A.	U S WEST facilitates interconnection and access to unbundled network
5		elements within U S WEST central office buildings through collocation.
6		In accordance with the terms and conditions of the CLEC's respective
7		interconnection agreements, both virtual and the various forms of physical
8		collocation are available to CLECs.
9	Co	ollocation allows a CLEC to place cables into a U S WEST central office and
10		terminate those cables on transmission equipment owned by the CLEC.
11		The CLEC installs and maintains its own equipment in the collocation
12		space provided by U S WEST. The CLEC's transmission equipment can
13		be interconnected to the U S WEST network. Collocation also facilitates
14		CLEC access to unbundled network elements and, thus, is integral to the
15		provision of other unbundled network elements.
16	D	O U S WEST'S COLLOCATION OFFERINGS COMPLY WITH THE
17	FI	EDERAL COMMUNICATIONS COMMISSION'S (FCC) ORDERS
18	C	ONCERNING COLLOCATION?
19	Ye	es. The FCC's First Interconnection Order established national rules to
20	pro	ovide physical and virtual collocation. Collocation allows CLECs to
21	co	llocate equipment to obtain interconnection or to access unbundled network

1	ele	ements. My testimony describes the collocation rate elements offered by
2	U	S WEST that comply with the national rules.
3	De	O U S WEST'S COLLOCATION OFFERINGS COMPLY WITH THE
4	FI	EDERAL COMMUNICATIONS COMMISSION'S FIRST REPORT
5	\mathbf{A} l	ND ORDER IN CC DOCKET NO. 98-147 CONCERNING
6	C	OLLOCATION?
7	A.	Yes. The FCC's Advanced Services Order requires U S WEST to make
8		cageless, shared, and adjacent collocation available to competing carriers.
9		In addition, U S WEST may adopt reasonable security measures to protect
10		its central office equipment. U S WEST is proposing rates for cageless
11		and shared collocation and is offering adjacent collocation through the
12		Bona Fide Request (BFR) process.
13	Q.	DO US WEST'S COLLOCATION OFFERINGS COMPLY WITH
14		THE FEDERAL COMMUNICATIONS COMMISSION'S FIRST
15		REPORT AND ORDER IN CC DOCKET NO. 96-98 REGARDING
16		THE COST AND PRICING OF THE COLLOCATION RATE
17		ELEMENTS?
18	A.	Yes. The rates of the proposed collocation rate elements are in
19		compliance with the rules established in the FCC's First Interconnection
20		Order. The cost-based rates proposed by U S WEST for these services are
21		listed in Exhibit JLT-1 of Mr. Thompson's testimony. The testimony of
22		Mr. Thompson will also describe the costs used to develop the proposed
23		rates for the collocation rate elements.

O. PLEASE DESCRIBE THE TYPES OF COLLOCATION.

1

2 There are two types of collocation – physical and virtual collocation. A. 3 There are three varieties of physical collocation: caged, cageless and shared 4 collocation. In addition, adjacent collocation is provided through the 5 Bona Fide Request (BFR) process. 6 Under a caged physical collocation arrangement, the CLEC's equipment is 7 surrounded by a cage that provides an increased level of security to the 8 CLEC's equipment. 9 Under cageless physical collocation, a CLEC's equipment is placed in the 10 U S WEST central office adjacent to U S WEST or other CLEC equipment, but is not separated from other central office equipment by a 11 **12** cage or walls. 13 Under shared physical collocation, two or more CLECs can share a single 14 collocation enclosure; however, only one CLEC obtains a Caged Physical 15 Collocation arrangement from U S WEST. CLECs may share the space 16 according to the terms and conditions agreed upon by the two CLECs. 17 Under virtual collocation, the CLEC's equipment is turned over to U S WEST 18 for engineering, installation and maintenance. Virtual collocation, which 19 is available on a per shelf basis, is used principally when there is no space 20 for physical collocation. 21 Under Adjacent Collocation, U S WEST will provide collocation in adjacent

controlled environmental vaults or similar structures to the extent
technically feasible. Because zoning and other state and local regulations
may affect the viability of adjacent collocation, and the need to exercise
some measure of control over design or construction parameters, and the
need to ensure reasonable safety and maintenance requirements, adjacent
collocation is available through the Bona Fide Request (BFR) process.

Q. WHAT ARE THE DIFFERENCES BETWEEN PHYSICAL AND VIRTUAL COLLOCATION?

9

10

11

12

13

14

15

16

22

A. Under physical collocation, floor space in a U S WEST central office is leased to the CLEC. The CLEC's employees access that floor space for the purpose of installing and maintaining the CLEC's own transmission equipment. Under virtual collocation, leased floor space is not required. The CLEC procures and then delivers its equipment to U S WEST who then installs and maintains the CLEC's equipment.

Q. DO CLECS HAVE THE OPTION OF PHYSICAL OR VIRTUAL COLLOCATION?

A. Yes. In accordance with the FCC's First Interconnection Order and terms and conditions of their respective interconnection agreements, virtual and physical collocation are available to CLECs. If physical collocation is not practical because of "space limitations," U S WEST will provide for virtual collocation.

O. HOW DOES A CLEC PLACE AN ORDER FOR COLLOCATION?

1 U S WEST requires CLECs to follow two steps to order collocation. A. 2 First, the CLEC submits a Physical or a Virtual Collocation order form, and 3 the appropriate Quotation Preparation Fee (QPF) to its U S WEST 4 Account Manager. U S WEST then conducts a feasibility study to 5 determine whether space is available within a specific central office and to 6 develop a quotation specific to the CLEC's request. A letter is provided to 7 the CLEC indicating the results of the feasibility study. If space is 8 available, the U S WEST Product Manager compiles the quotation 9 information and provides the CLEC with a quote identifying the 10 nonrecurring and recurring charges and the estimated construction 11 schedule. 12 Second, within 30 days of U S WEST's quotation, the CLEC must accept the 13 quotation and submit fifty percent (50%) of the nonrecurring charges to 14 U S WEST or the quotation expires and the space is returned to available 15 inventory. Physical collocation arrangements are scheduled for 16 completion 90 calendar days after receipt of the 50%, non-recurring 17 charge partial payment. Virtual collocation is scheduled for completion 90 18 calendar days after receipt of the 50% non-recurring charge, or 90 calendar 19 days after receipt of the CLEC's equipment, whichever is later. **Collocation Rate Elements** 20

WHAT SPECIFIC RATE ELEMENTS APPLY TO US WEST'S

COLLOCATION PROPOSAL?

21

22

Q.

1 The rate elements that apply to collocation fall into three categories: (1) A. 2 rate elements common to physical and virtual collocation; (2) rate 3 elements unique to physical collocation; and (3) rate elements unique to 4 virtual collocation. 5 Q. PLEASE DESCRIBE THE RATE ELEMENTS THAT ARE COMMON TO BOTH PHYSICAL AND VIRTUAL 6 7 COLLOCATION. 8 A. There are 11 common rate elements to collocation. The common rate 9 elements include the (1) Quote Preparation Fee, (2) Terminations, (3) 10 Interconnection Tie Pair, (4) Entrance Facility, (5) Cable Splicing (6) 11 Power Usage, (7) Back-up AC Power Feed Usage, (8) Back-up AC Power 12 Cable, (9) DC Power Feed – Additional, (10) Security, and (11) Central 13 Office Clock Synchronization. The following is a brief description of 14 each of these common rate elements: 15 (1) Quote Preparation Fee (QPF): Recovers the cost of preparing an 16 individual quotation for a CLEC, including reviewing the requested 17 collocation equipment, identifying available floor space, power, cable 18 terminations, entrance facilities, etc. U S WEST retains the QPF to cover 19 the cost of preparing the quotation. The quote provided to the CLEC **20** specifies the charges that are associated with the requested collocation 21 arrangement, including the amount of labor associated with equipment 22 installation, engineering, and training, if applicable. Upon completion of 23 the collocation service, the QPF will be deducted from the Space

Construction charge.

- (2) Terminations: Recovers the cost of the terminations, tie cables, associated racking and terminating blocks and panels required to connect U S WEST unbundled network elements to the CLEC's equipment in their collocation space. A monthly charge, based on the type of connection (DS0, DS1 or DS3) being used, applies for cable placement, cable, block placement, and blocks required by the CLEC.
 - (3) Interconnection Tie Pair (ITP): Recovers the cost of the frame, tie cables, associated cable racking and terminating blocks required to be placed between the shared frame and the Cosmic frame. The ITP replaces the expanded interconnection channel termination (EICT) rate element and will allow CLECs access to unbundled network elements. It also provides for interconnection with a wide variety of network services, including trunk-side ports on end office and tandem switches, unbundled loops, and other private line facilities. A monthly charge, based on the number of connections and the type of connection (DS0, DS1 or DS3) being used by the CLEC, applies on a per connection basis.
 - (4) Entrance Facility: U S WEST offers four choices for entrance facility,
 Standard Shared, CLEC POI, Cross Connection and Express Fiber. The
 Standard Shared and the CLEC POI Entrance Facility rate elements take
 into account this Commission's concern that the construction of a separate
 manhole may be required because of congestion in many of U S WEST's
 manholes used for entrance facilities. The Standard Shared entrance

1 facility cost assumes that the point of interface occurs at manhole #1. The 2 CLEC POI entrance facility cost assumes that the point of interface occurs 3 at a separate manhole other than manhole #1. The Commission addressed this issue in its 17th Supplemental Order stating: 4 5 ...if U S WEST can demonstrate that its first manhole is 6 congested, it can require the CLECs to use a separate 7 manhole and recover the cost from the CLECs. Where 8 U S WEST claims that a manhole is congested, it must 9 provide access to the manhole so that the CLECs can **10** verify that claim. [para.319] 11 Standard Shared Entrance Facility recovers the cost of extending the **12** U S WEST fiber optic cable from the CLEC fiber just outside the U S WEST central office -- the point of interconnection (POI) at manhole 13 14 #1-- to the CLEC equipment located in the U S WEST central office. The 15 Standard Shared Entrance Facility consists of a manhole, 16 conduit/innerduct, placement of conduit/innerduct, fiber cable, fiber 17 placement, splice case, a splice frame, fiber distribution panel, and the 18 relay rack. The Standard Shared Entrance Facility charge consists of a 19 non-recurring charge per fiber and a monthly recurring charge per fiber, **20** with a minimum quantity of 12 fibers (the number of fibers in the standard 21 cable). 22 **CLEC POI Entrance Facility** recovers the costs for a manhole just outside 23 the U S WEST central office, other than manhole #1, in addition to the 24 costs for Standard Shared entrance facility. The CLEC POI Entrance 25 Facility charge consists of a non-recurring charge per fiber and a monthly 26 recurring charge per fiber, with a minimum quantity of 12 fibers (the

number of fibers in the standard cable).

Cross Connection Entrance Facility recovers the same costs in the standard entrance facility except that it requires two fiber distribution panels. The fibers terminate on the first fiber distribution panel and provide test access and flexibility for cross connections to the second fiber distribution panel, where the CLEC's equipment is terminated within the central office. The Cross Connection Entrance Facility charge consists of a non-recurring charge per fiber and a monthly recurring charge per fiber, with a minimum quantity of 12 fibers (the number of fibers in the standard cable).

Express Fiber Entrance Facility recovers the cost to terminate the CLEC fiber cable in its collocation space with no splice points. If the cable is not fire rated, a transition splice will be required inside the cable vault to convert the fiber cable to a fire rated cable for extension to the collocation space. An additional charge is assessed for the conversion to fire rated cable. The Express Fiber Entrance Facility consists of a non-recurring and a monthly recurring charge per cable.

- (5) Cable Splicing: Recovers the cost of labor and equipment required to perform a subsequent splice to the CLEC-provided fiber optic cable at the point of interconnection (POI) after the initial splice for the entrance enclosure. There are two non-recurring charges associated with fiber splicing -- a charge that is applied per setup and a second charge that applies per fiber spliced.
- (6) Power Usage: Recovers the cost of purchasing power from the electric

company and the cost of the power plant and maintenance to provide power to the CLEC's equipment. The power plant consists of the back-up power generator, rectifiers, power boards, battery distribution frame boards, batteries and the cable and support structure that connects all these components. The monthly charges are based on the size of the power feed requested by the CLEC.

- (7) Back-up AC Power Feed Usage: Recovers the cost to provide Back-up AC power to the CLEC's equipment in the event of an commercial power failure. Back-up AC power usage is an optional service and is available in conjunction with Back-up AC Power Cable. Back-up AC power is available in 120V, 208V-single phase, 208V-three phase, 240V-single phase, 240V-three phase, and 480V-three phase. The recurring monthly charge is on a per ampere basis.
- (8) Back-up AC Power Cable: Recovers the cost of providing the engineering and installation of holes/fire stopping, wire, conduit and support, breakers and miscellaneous electrical equipment necessary to conduct Back-up AC power from the generators to the CLEC's space.

 The Back-up AC Power Feed is optional and is available with single or triple phase options for 20 amp, 30 amp, 40 amp, 50 amp, 60 amp, and 100 amp requirements. The monthly Back-up AC Power Feed charge is on a per foot basis. The length of the cable will be determined at the time the collocation order is placed and will be based on the distance between the CLEC equipment and the generator.

1 (9) **DC Power Feed – Additional:** Recovers the cost for the cables, lugs, 2 fuses and Htaps required to hook the cables to the power network. 3 Additional power feed cables are connected directly to the CLEC's 4 equipment and dedicated exclusively for the use by the CLEC. A power 5 feed consists of an original (A feed) with two cables and a back-up (B 6 feed) with two cables, four for the combined A & B feed. Power feed is 7 available in 20, 30, 40, and 60 amps for all physical collocation and 100, 8 200, 300, and 400 amps for caged collocation only. 9 (10) Security: Recovers the cost for the (e.g., card readers, identification 10 cards, etc.) at U S WEST's central office. A recurring monthly charge is 11 applied, per CLEC employee for access cards and per CLEC employee, 12 per central office for card access. 13 (11) Central Office Clock Synchronization: Recovers the cost of providing 14 composite clock and/or DS1 synchronization signals traceable to a stratum 1 source to provide timing accuracy of $\pm 1 \times 10^{-11}$. The CLEC must 15 16 determine the synchronization requirements for its equipment and notify 17 U S WEST of these requirements when ordering the clock signals. 18 Central office synchronization is required for collocation involving digital 19 services or connections. Synchronization may be required for analog **20** services. Central office synchronization is available where U S WEST 21 wire centers are equipped with Building Integrated Timing Supply (BITS). 22 Central Office Clock Synchronization is an optional service. A monthly 23 charge is applied on a per port basis.

1 PLEASE DESCRIBE THE RATE ELEMENTS THAT ARE UNIQUE 0. 2 TO CAGED AND CAGELESS PHYSICAL COLLOCATION 3 PRODUCTS. 4 A. Three types of charges apply to physical collocation. The Space 5 Construction and Rent charges apply to all physical collocation while 6 Grounding applies only to caged collocation. Each of these rate elements 7 is described below: 8 **Space Construction:** recovers the cost of engineering the job, constructing an 9 enclosure around the CLEC's leased space, providing a single power feed, 10 overhead structures to support cable racking and CLEC equipment, cable 11 racking, additional lighting, and the supporting environmental 12 requirements (heating ventilation and air conditioning). There are 13 separate non-recurring charges for caged and cageless collocation 14 arrangements. Upon completion of the collocation service, the QPF will 15 be deducted from the Space Construction charge. 16 The physical collocation space construction charge includes the provisioning **17** of one 40 amp power feed. If the CLEC requests a caged collocation with 18 a power feed of 20, 30, 60, 100, 200, 300 or 400 amperes, an adjustment 19 to the space construction charge is applied for the amps requested. If the **20** CLEC requests a cageless collocation with a power feed of 20, 30, or 60 21 amperes per bay, an adjustment to the space construction charge is applied 22 for the amps requested.

The cageless collocation is designed to provide two bays for the CLEC's

1 equipment. If the CLEC requires additional bays, an incremental non-2 recurring charge, per bay, is applied to recover the prorated costs of the 3 supporting structure, cable racking, lighting, and grounding facilities. 4 Consistent with the FCC's First Interconnection Order, CLECs have the 5 option to subcontract the construction of the caged enclosure to 6 contractors approved by U S WEST, in conformance with U S WEST's 7 standards. 8 **Rent:** Recovers the cost of one 110 AC, 15 amp electrical outlet, preventative 9 maintenance and repair of climate controls, filters, fire and life systems 10 and alarms, mechanical systems, and HVAC, bi-weekly housekeeping 11 service and general repair and maintenance. A recurring monthly charge 12 for rent applies on a per square foot basis. 13 **Grounding:** Recovers the cost of extending the building DC ground from the 14 grounding plane of the central office to the CLEC's caged collocation 15 space. 16 Q. PLEASE DESCRIBE THE RATE ELEMENTS THAT ARE UNIQUE TO VIRTUAL COLLOCATION. 17 **18** A. There are two rate elements unique to virtual collocation -- Equipment 19 Bay/Shelf and Labor Charges, which include: Engineering, Installation, 20 Training, Maintenance, and Inspection. Each of these charges is described 21 below: 22 Equipment Bay: Recovers the cost of the equipment rack in which the

1 CLEC's virtually collocated equipment and fuse panel are mounted. Each 2 bay includes the 7 foot bay, its installation and all necessary 3 environmental supports (e.g., floor space, heat/air conditioning and 4 lighting). Physical dimensions of the equipment bay are 84 inches high by 5 26 inches wide by 12 inches deep. Each bay is capable of providing space 6 for six shelves. The cost of the equipment bay is recovered through a 7 recurring rate per month, per equipment shelf. 8 (2) Labor Charges: Recovers the cost of equipment (a) engineering, 9 (b) installation, (c) training, (d) maintenance and (e) inspection. Except 10 for training labor, there are two labor rates: one for labor performed during 11 regular business hours (8:00 AM to 5:00 PM Monday through Friday, 12 except holidays) and a second for labor performed outside of regular 13 business hours. The labor charges are described below: 14 (a) Engineering: Recovers the cost of planning and engineering **15** the installation of the CLEC equipment and associated supporting 16 equipment such as power, cabling, cable racking, frame 17 terminations, lighting, and entrance facility. U S WEST charges 18 CLECs per half hour of engineering labor performed during 19 regular business hours and a somewhat higher rate per half hour 20 for engineering performed outside of regular business hours. 21 **(b) Installation:** Recovers the cost of the installation or removal 22 of the CLEC equipment and associated supporting equipment. 23 Installation labor is assessed in half hour increments for

1 installation labor performed during regular business hours and at a 2 somewhat higher rate per half hour for installations performed 3 outside of regular business hours. 4 (c) **Training:** Recovers the cost of training U S WEST employees 5 on the installation and maintenance of non-standard equipment provided by a CLEC under a virtual collocation arrangement. This 6 7 charge does not apply if a CLEC selects equipment already in use 8 by U S WEST in the same metropolitan area. The training element 9 covers the cost of training three U S WEST employees, and 10 includes the actual cost of the training course, and the employees' 11 time. In the event a second CLEC selects the same equipment, the 12 second CLEC is assessed a training fee equal to one-half the fee 13 charged to the first CLEC. The first CLEC is refunded one-half 14 the training fee. **15** (d) Equipment Maintenance: Recovers the cost of repairs and 16 maintains a CLEC's equipment under a virtual collocation 17 arrangement. U S WEST bills the CLEC in half-hour increments for equipment maintenance during regular business hours and at a 18 19 somewhat higher rate for maintenance performed outside of 20 regular business hours. 21 (e) **Inspection:** Recovers the cost for inspection or supervision of 22 facilities. In some cases, the CLEC's employees, agents or 23 contractors may need to access U S WEST's manholes in order to

conduct work operations. In such an instance, U S WEST will need to assure that such work is performed in the proper manner (e.g. with no damage to other facilities) and may have an employee or agent present. U S WEST charges the CLEC for the inspector expenses that are incurred. If the CLEC requires access to the interface point, U S WEST will provide an inspector to escort the CLEC's representative. U S WEST bills the CLEC in half-hour increments during regular business hours and at a somewhat higher rate for inspection performed outside of regular business hours.

1	Q.	ARE THERE ANY CHARGES ASSOCIATED WITH THE
2		PROVISION OF THE CLEC EQUIPMENT TO US WEST UNDER
3		A VIRTUAL COLLOCATION ARRANGEMENT?
4	A.	No additional charges apply to virtual collocation. The CLEC's
5		equipment is provided by the CLEC to U S WEST for installation in the
6		U S WEST central office. U S WEST dedicates the equipment to the
7		CLEC's use at no charge except for the rate elements I described earlier.
8		Those rate elements are designed to recover the cost of equipment and
9		labor that U S WEST provides to facilitate the CLEC's use of its
10		equipment.
11	Col	llocation Availability
12	Q.	IS COLLOCATION AVAILABLE TO CLECS WITHIN A
13		REASONABLE AND WELL-DEFINED SCHEDULE?
14	Y	es. Listed below are the standard time frames for collocation: (Individual
15	1	Interconnection agreements may differ)
15		interconnection agreements may differ)
16	D	ue Date intervals apply to facilities/network capacity in place.
17		Facilities/network capacity not in place intervals are provided on a
18		Individual Case Basis (ICB).
19	Pl	hysical Collocation
20		Feasibility – Ten (10) Calendar Days
21		Quote - Twenty-five (25) Calendar days from Feasibility
22		Construction - Within Ninety (90) Calendar Days of quote

service.
collocation arrangement along with the various rate elements that apply to the
associated rate elements. Exhibit LBB-02 illustrates a typical virtual
Exhibit LBB-01 illustrates a typical physical collocation arrangement and its
PLEASE SUMMARIZE THE COLLOCATION RATE ELEMENTS.
other locations may be requested through the Bona Fide Request process.
Collocation is available at U S WEST central office premises. Collocation a
AT WHAT POINTS IN THE US WEST NETWORK WILL COLLOCATION BE AVAILABLE?
from receipt of CLEC's equipment, whichever is later.
acceptance and payment or Within Ninety (90) Calendar Days
Quote - Twenty-five (25) Calendar days from Feasibility Construction – Within Ninety (90) Calendar Days of quote
Feasibility - Five (5) Calendar Days
Virtual Collocation
Supporting Infrastructure not in place (mechanical / electrical) - ICB
Construction - Within Ninety (90) Calendar Days of quote acceptance and payment.
Feasibility - Ten (10) Calendar Days Quote - Twenty-five (25) Calendar Days from Feasibility
Cageless Physical Collocation
Supporting Infrastructure not in place (mechanical / electrical) - ICB

- A. My testimony describes the collocation process and their associated rate
 elements. I recommend that the Washington Commission approve the
- **3** proposed cost recovery process for the rate elements for collocation.

1 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes, it does.

Docket Nos. UT-960369, -960370, -960371 U S WEST Communications, Inc. Exhibits of Larry B. Brotherson

EXHIBITS

Physical Collocation Diagram Exhibit LBB-01

Virtual Collocation Diagram Exhibit LBB-02