BEFORE THE WASHINGTON STATE UTILTIES AND TRANSPORTATION COMMISSION

QWEST CORPORATION,

Complainant,

DOCKET NO. UT-063038

v.

LEVEL 3 COMMUNICATIONS, LLC;
PAC-WEST TELECOMM, INC.;
NORTHWEST TELEPHONE INC.; TCGSEATTLE; ELECTRIC LIGHTWAVE, INC.;
ADVANCED TELCOM GROUP, INC. D/B/A
ESCHELON TELECOM, INC.;
BROADWING COMMUNICATIONS, LLC;
GLOBAL CROSSING LOCAL SERVICES
INC; AND, MCIMETRO ACCESS
TRANSMISSION SERVICES LLC D/B/A
VERIZON ACCESS TRANSMISSION
SERVICES

DIRECT TESTIMONY OF DR. WILLIAM L. FITZSIMMONS ON BEHALF OF

QWEST CORPORATION

NOVEMBER 20, 2006

1 I.IDENTIFICATION OF WITNESS 2 PLEASE STATE YOUR NAME AND POSITION. Q. 3 A. My name is William Fitzsimmons. I am a Director at LECG, LLC; my business 4 address is 2000 Powell Street, Suite 600, Emeryville, CA 94608. PLEASE DESCRIBE YOUR PROFESSIONAL QUALIFICATIONS. 5 Q. 6 A. I hold a Ph.D. in Resource Economics from the University of Massachusetts, 7 Amherst. My industry experience prior to joining LECG in 1994 includes two 8 years of modeling demand for private line services for AT&T in New Jersey and 9 six years as a financial modeler for BellSouth in Atlanta. At LECG, my work is 10 focused on the economic analysis and financial modeling of telecommunications 11 issues. I have testified numerous times on cost models and economic issues. My 12 curriculum vitae is attached as Exhibit WLF-2. 13 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY? The purpose of this testimony is to provide guidance from the perspective of 14 15 proper economic reasoning for how to consider cost causation and incentives as they relate to efficient and beneficial competitive markets. 16 II. COST CAUSATION 17 18 FROM AN ECONOMIC PERSPECTIVE, IS THE PRINCIPLE OF COST Q. 19 CAUSATION THE PROPER CONSIDERATION FOR DETERMINING 20 THE RESPONSIBILITY FOR COSTS? 21 A. Yes, cost causation is the proper consideration for determining the responsibility

for costs. Although I understand that each party will make legal arguments in

their briefs with regard to the appropriate treatment for the traffic at issue in this proceeding, I am not here to make a legal argument. I am here to provide the proper economic context for making the determination within the stated economic goals of the Telecommunications Act of 1996 (Telecom Act). As stated in the preamble, it is "An Act to promote competition and reduce regulation in order to secure lower prices and higher quality services for American telecommunications consumers and encourage the rapid deployment of new telecommunications technologies." Within the context of achieving these long-term economic goals, cost causation is the proper guiding principle for determining which firm is responsible for costs.

In competitive markets, cost responsibility follows cost causation. This is a key reason why competitive markets produce efficient outcomes, and it is a key reason why we are making the transition from regulated to competitive markets, as directed by the Telecom Act.² Now, ten years after the signing of the Telecom Act, it is increasingly important to adopt cost causation in decisions regarding pricing issues. Any other solution is contrary to the operation of efficient competitive markets and maximizing long run benefits to consumers. Perhaps more than any other factor, forcing cost causers to face the responsibility of recovering the costs from end users is what drives efficient outcomes in competitive markets.

For example, if Firm A causes the costs incurred by Firm B, it is appropriate for Firm A to: (1) compensate Firm B for the costs it incurs; and (2) attempt to

¹ Telecommunications Act of 1996, Pub. LA. No. 104-104, 110 Stat.56 (1996).

² *Id.*, Preamble.

Docket No. UT-063038 Direct Testimony of Dr. William L. Fitzsimmons

> Exhibit WLF-1T November 20, 2006

> > Page 3

recover from its own customers the costs that it causes. In this way, a firm that causes costs is responsible for earning the revenues to recover the costs, and the firm will only undertake investments that are valued sufficiently by customers. If Firm A, in this example, considers a marketing initiative that (if successful) will use current capacity in telecommunications infrastructure or require investment in additional telecommunications capacity, the efficient solution is for Firm A to proceed only if it expects to earn revenues sufficient to recover the cost of this capacity. If Firm A is allowed to shift the costs that it causes onto another firm, then Firm A can proceed with its marketing initiative, even if the overall cost caused by the initiative is greater than the amount that consumers are expected to value the additional service. Totally aside from the question of fairness, this is an inefficient use of resources that is, for the most part, avoided in competitive markets. Firm A, in this example, would receive the revenue from the capacity, and Firm B would incur the cost. Such an imbalance between revenues and costs (and risks and rewards) would distort the market. It would benefit one competitor at the expense of the broader and longer term benefits expected from efficient competition. This is the outcome that results from allowing VNXX routing for traffic that would otherwise be subject to toll or access charges. WHAT COST CAUSATION AND COMPENSATION DO YOU FOCUS ON IN THIS SECTION OF YOUR TESTIMONY? I focus on costs that arise when CLECs' customers are internet service providers (ISPs) and CLECs interconnect with Qwest to collect and transport Internet

traffic. The expected result of such an arrangement is that virtually all traffic

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Q.

A.

1 exchanged between Qwest and CLECs is dial-up traffic destined for the Internet. 2 As observed by the FCC in its *ISP Remand Order*: 3 "The regulatory arbitrage opportunities associated with intercarrier 4 payments are particularly apparent with respect to ISP-bound 5 traffic...because ISPs typically generate large volumes of traffic that is virtually all one-way – that is delivered to the ISP."³ 6 7 Often, the end users who originate ISP traffic are not in the same local calling 8 areas as their ISPs. When this occurs, the traffic travels on Qwest's facilities 9 from the originating end user to the CLEC's points of interconnection in another 10 local calling area, and Qwest incurs costs related to switching and transporting 11 this interexchange traffic. There is nothing new about this concept. When the 12 end points of a call are in separate local calling areas, the call is an interexchange 13 call. When interexchange calls travel over facilities owned by local exchange 14 carriers (LECs), there are well defined rules for how LECs are compensated for 15 the use of their facilities. Specifically, there are "access" charges that compensate 16 LECs for costs related to the "local" portions of the call and for costs related to 17 transporting traffic between local calling areas. 18 Finally, the focus of my analysis is on costs and compensation that are related to 19 VNXX Internet traffic. However, the same analysis applies generally to all 20 VNXX traffic and is not limited to whether the traffic is Internet traffic or not. 21 VNXX is typically defined as the situation where a telephone number with an 22 NPA-NXX associated with one local calling area is assigned by a CLEC to a 23 customer physically located outside of the local calling area to which the NPA-

Order on Remand and Report and Order, *In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, and Intercarrier Compensation for ISP-Bound Traffic,* CC Docket Nos. 96-98, 99-68, ¶2 (FCC. 2001) (hereafter "*ISP Remand Order*").

1		NXX is associated. Thus, while the calling party appears to be making a local
2		call, the call is actually transported to and terminated in another local calling area
3		(or perhaps even in a different state).
4	Q.	WHEN AN END USER ESTABLISHES AN INTERNET CONNECTION
5		WITH AN ISP, IS THE END USER A CUSTOMER OF THE ISP?
6	A.	Yes. Before describing the chain of cost causation for the traffic at issue, it is
7		helpful to establish that end users who purchase Internet access service from ISPs
8		are customers of the ISPs, and that the ISPs are customers of CLECs. ISPs are
9		commercial enterprises that provide Internet connections and information to their
10		customers across these Internet connections. For this purpose, end users establish
11		customer relationships with ISPs. Even on ISP home pages, customers have
12		ready access to information that is generated around the globe. The purpose of
13		establishing an Internet connection is to access this and other information, and
14		when an end user establishes the connection with its ISP, the end user is acting as
15		a customer of the services offered by the ISP. It is not necessary to belabor this
16		point, since it is a point that is quite obvious and which has already been
17		explained and established by multiple regulatory commissions.
18	Q.	HAVE REGULATORS RECOGNIZED THAT A CUSTOMER THAT
19	v.	CONNECTS TO AN ISP THROUGH A CLEC'S NETWORK IS ACTING
20		PRIMARILY AS A CUSTOMER OF THE ISP?
21	A.	Yes, regulators have recognized that an end user who originates an Internet call is
22		acting as a customer of the ISP. The Public Utilities Commission of Colorado, in
23		an arbitration decision involving Qwest and Level 3, directly addressed this issue:
24 25		"We find Qwest's ILEC/IXC analogy for the transport of ISP-bound calls more persuasive than the ILEC/CLEC analogy advanced by

1 2 3 4 5		call, the ISP plays a role similar to that of an IXC in the transmission of an interstate long distance call. We believe that the originator of either call, the ILEC end-user, acts primarily as the customer of the ISP or IXC, not as the customer of the ILEC."
6		An arbitrator for the Vermont commission, in referring to VNXX traffic, reached
7		a similar conclusion:
8 9 10 11 12		"In effect, a CLEC using VNXX offers the equivalent of incoming 1-800 service, without having to pay any of the costs associated with deploying that service and instead relying upon [the ILEC] to transport the traffic without charge simply because the VNXX says the call is 'local."
13	Q.	IS TRAFFIC TO ISPS SIMILAR TO LONG DISTANCE TRAFFIC THAT
14		ILECS ORIGINATE AND TERMINATE FOR INTEREXCHANGE
15		CARRIERS?
16	A.	Yes. The quotation from the Colorado Commission cited above uses that precise
17		analogy. The FCC made a similar observation:
18 19 20 21		"ISP service is analogous, though not identical, to long distance calling service The analogy isused merely to bolsterthe reasonableness of not characterizing an ISP as the destination of a call, but as a facilitator of communication."
22		As "facilitators of communication" for their customers, long distance carriers and
23		ISPs cause local exchange carriers to incur costs (both within the local exchange
24		and to transport the traffic to another local calling area), and the principle of cost
25		causation dictates that the cost causers should compensate the local exchange

⁴ Commission Decision, In the Matter of Petition of Level 3 Communications LLC, for Arbitration Pursuant to § 252(b) of the Telecommunications Act of 1996 to Establish an Interconnection Agreement with Qwest Corporation, Decision No. C01-312, Docket No. 00B-601T, at 18 (Colo. PUC 2001) (emphasis added).

Petition of Global NAPs, Inc. for Arbitration Pursuant to §252(b) of the Telecommunications Act of 1996 to Establish an Interconnection Agreement with Verizon New England, Docket No. 6742, 2002 Vt. PUC LEXIS 272, at *41-*42 (Vt. PSB 2002) (hereafter "Vermont Global NAPs Order").

⁶ *ISP Remand Order*, ¶60 (emphasis added).

1 carriers for these costs. 2 Earlier this year, the South Carolina Commission articulated a similar conclusion: 3 "The Commission's and the FCC's current intercarrier 4 compensation rules for wireline calls clearly exclude interexchange 5 calls from both reciprocal compensation and ISP intercarrier 6 compensation. These calls are subject to access charges. This is 7 also the case for Virtual NXX calls, which are no different from 8 standard dialed long distance toll or 1-800 calls."⁷ 9 The Colorado Commission has likewise addressed this issue in a case in which 10 Level 3 sought to interconnect with Centurytel (a rural independent carrier) for 11 the purpose of serving ISP customers located in Centurytel territory. The 12 Colorado Commission concluded that Level 3 had no right to interconnect with 13 Centurytel when the purpose of the agreement was for interexchange calling: 14 "Centurytel notes that the ISP customers that Level 3 seeks to serve 15 are not located in Centurytel's local calling area. As such, calls by 16 Centurytel's end-users to Level 3's ISP customers would originate 17 and terminate in different calling areas, and, therefore, would be 18 interexchange calls. Section 252(c)(2) is clear that the duty to 19 interconnect under its provisions does not apply to interexchange 20 calling."8 21 More than 20 years ago, when the Regional Bell Operating Companies were 22 created as separate entities from AT&T, end users became customers of at least 23 two separate firms, a local service provider and one or more long distance service 24 providers. Beginning in the 1980s, when customers used their phone lines to 25 make long distance calls, it was recognized that they were acting as customers of

Order Ruling on Arbitration, *In re Petition of MCI Metro Transmission Services, LLC for Arbitration of Certain Terms and Conditions of Proposed Agreement with Horry Telephone Cooperative, 2006 S.C. PUC LEXIS 2, at *35 (S.C. PUC, January 11, 2006).*

Decision Denying Exceptions, *In the Matter of the Petition of Level 3 Communications, LLC for Arbitration Pursuant to Section 252(b) of the Telecommunications Act of 1996 with Centurytel of Eagle, Inc.*, Decision No. C03-0117, Docket No. 02B-408T ¶36 (Colo. PUC, January 30, 2003).

1 the long distance companies. There was no nonsensical conclusion that the end 2 user was acting as a customer of the local company up to the point of 3 interconnection with the interexchange carrier (IXC). When a customer wanted 4 to make a call to a local calling area in another local access and transport area 5 (LATA), he was acting as a customer of an IXC, and the costs associated with the call were attributed to the IXC. To compensate the local companies for the use of 6 7 their facilities when users acted as long distance customers, the long distance 8 companies (such as AT&T, MCI, and Sprint) paid the local companies for those 9 costs through access charges. Not long after, intraLATA toll competition 10 emerged, and state commissions applied the same rationale for intraLATA calling between local calling areas. From the perspective of cost causation, the rationale 12 is fundamentally the same for customers of ISPs. 13 Q. IS A CLEC ACTING AS AN INTEREXCHANGE SERVICE PROVIDER 14 WHEN IT CONTRACTS WITH AN ISP AND DELIVERS DIAL-UP INTERNET CALLS TO THE ISP ACROSS LOCAL CALLING 15 16 **BOUNDARIES?** 17 A. Yes. When an end user in one local calling area initiates a connection with an 18 ISP that is in another local calling area, this call crosses exchange boundaries and 19 is, therefore, an interexchange call. This means that when an end user in 20 Washington dials the phone number for an ISP served by a CLEC, the call is handed off at a POI to the CLEC, "answered" by the CLEC with its modem 22 functionality and handed off to an ISP. The end user who originates the call is 23 not ultimately trying to reach the POI; the end user is trying to reach the ISP, 24 wherever the ISP is physically located. These are the end points of the call for 25 intercarrier compensation purposes. If these end points are in different local

11

calling areas, then it is an interexchange call. 1

2	Q.	WOULD YOU PLEASE EXPAND UPON YOUR VIEWS OF THE PROPER
3		APPLICATION OF THE PRINCIPLE OF COST CAUSATION FOR THE
4		TRAFFIC AT ISSUE IN THIS PROCEEDING?
5	A.	Through their customer relationships with end users, ISPs cause the costs
6		associated with collecting Internet traffic from their customers throughout
7		Washington. ISPs are not, however, in a position to collect this traffic on their
8		own. As I understand it, an ISP cannot obtain local telephone numbers—it must
9		engage a local exchange carrier, which has the right to obtain local telephone
10		numbers from the North American Numbering Plan Administrator (NANPA).
11		To fulfill its part of the contract, the CLEC assumes the responsibility for
12		obtaining local telephone numbers, for collecting traffic from multiple local
13		calling areas in Washington, and for delivering traffic to the ISP's location. As
14		such, the CLEC incurs costs on behalf of its ISP clients.
15		As a profit seeking firm, the CLEC searches for the least costly way to fulfill this
16		responsibility. To this end, the CLEC contracts with Qwest to collect traffic, and
17		Qwest incurs costs to perform this service (thus incurring costs within its local
18		exchange areas to gather the traffic and costs to transport it to a POI). Clearly,
19		however, Qwest does not cause these costs. The CLEC and its ISP customers
20		cause the costs, and economic efficiency dictates that they should compensate
21		Qwest for the costs that Qwest incurs on their behalf.
22		To summarize, ISPs and their customers cause the costs associated with switching
23		and transporting the Internet traffic that Qwest delivers to the CLECs that serve
24		those ISPs. The CLECs take responsibility for these costs on behalf of the ISPs,

and Qwest incurs the costs. The proper chain of payments is determined by the chain of cost, but in reverse – back to the ultimate cost causer, the ISP end-user. In this way, every entity is responsible for the costs that it causes, and every entity can properly weigh its costs against the expected benefits or revenues that it expects to receive. This is compensation pattern that drives the efficient use of resources in competitive markets. If CLECs can sidestep costs that they cause, and the chain of payments that forces the responsibility of costs back to the cost causers will be broken. If this occurs, Qwest and its customers that do not employ dial-up Internet access will face costs that they do not cause, and the power of cost causation to produce efficient decisions will be lost. As observed by the FCC: "There is no public policy rationale to support a subsidy running from all users of basic telephone service to those end-users who employ dial-up Internet access."

Q. DID ARBITRATORS ALSO RECOGNIZE NEGATIVE IMPACTS ON ECONOMIC INCENTIVES FROM THE COMPENSATION SCHEMES SUCH AS THE CURRENT SCHEME IN WASHINGTON?

Yes. The arbitrator in Vermont observed correctly that a CLEC's use of VNXX to avoid paying for the cost of transporting traffic on the incumbent's network "sends inappropriate signals to competitors and discourages the deployment or purchase of facilities that may provide more efficient service to customers." An arbitrator in Massachusetts also concluded that the use of VNXX to avoid compensating the incumbent for costs it incurs:

A.

⁹ *ISP Remand Order*, ¶87.

¹⁰ Vermont Global NAPs Order at *45.

"[W]ould artificially shield [the CLEC] from the true cost of 1 2 offering the service and will give [the CLEC] an economic incentive to deploy as few facilities as possible. By artificially reducing the 4 cost of offering the service, [the CLEC] will be able to offer an 5 artificially low price to ISPs and other customers who experience 6 heavy inbound calling...The result would be a considerable market distortion..."11 8 In these cases, the decision-makers properly identified the cost causers and 9 determined financial responsibility based on the proper application of the 10 principle of cost causation. WOULD YOU PLEASE PROVIDE AN ILLUSTRATIVE EXAMPLE TO 11 Q. 12 DEMONSTRATE THAT QWEST DOES NOT CAUSE THE COSTS AT ISSUE IN THIS PROCEEDING? 13 14 An illustrative example helps demonstrate the point that Qwest does not cause the A. 15 switching and transport costs associated with Internet traffic that is at issue in this 16 proceeding. Assume for purposes of this example that the modems used by a 17 CLEC and its ISP customers to provide Internet access are in Seattle. Suppose an 18 ISP runs a successful marketing campaign and doubles the amount of Internet 19 traffic that is originated by its customers in Olympia. Assume further that this 20 forces Qwest to add switching and transport capacity. Clearly, the increase in 21 traffic was caused by the ISP's marketing efforts, as was the incremental cost 22 incurred by Qwest to carry the increased traffic. Just as clearly, the revenue to 23 pay for this increase in cost should come from customers of the ISP. The result is 24 the same if a CLEC runs a successful marketing campaign and attracts additional

Petition of Global NAPs, Inc., Pursuant to Section to §252(b) of the Telecommunications Act of 1996, for arbitration to Establish an Interconnection Agreement with Verizon New England, D.T.E. 02-45, 2002 Mass. PUC LEXIS 56, at *56 (Mass. Dep't of Tel. and Energy 2002).

ISPs to its network. To the extent that this places more traffic on Qwest's

1 network, the CLEC causes additional costs for Qwest.

2	Q.	WHAT IS YOUR BASIC CONCERN WITH THE CURRENT
3		COMPENSATION SCHEME FOR VNXX TRAFFIC?
4	A.	My basic concern with the current situation is that CLECs are not compensating
5		Qwest for the costs associated with traffic that the CLECs deliver to non-local
6		ISPs. Dial-up Internet access represents a significant portion of traffic across
7		Qwest's network and causes a significant portion of Qwest's traffic sensitive
8		costs. It is understandable that the CLECs oppose to a change that will force
9		them to bear responsibility for costs they cause. As observed by the FCC:
10 11 12 13 14 15 16		"[G]iven the opportunity, carriers always will prefer to recover their costs from other carriers rather than their own end-users in order to gain competitive advantage. Thus carriers have every incentive to compete, not on basis of quality and efficiency, but on the basis of their ability to shift costs to other carriers, a troubling distortion that prevents market forces from distributing limited investment resources to their most efficient uses.
17 18 19		We believe that this situation is particularly acute in the case of carriers delivering traffic to ISPs because these customers generate extremely high traffic volumes that are entirely one-directional." ¹²
20		From the perspective of cost recovery, costs associated with non-local traffic are
21		distinct from costs associated with local traffic. Specifically, Qwest's local
22		service prices are not designed to recover costs associated with non-local traffic.
23		Qwest recovers costs associated with non-local traffic from non-local services,
24		including revenues from transport and switched access services. Traffic between
25		different local calling areas is <u>not</u> local traffic.

26 Q. ARE QWEST'S LOCAL SERVICE PRICES DESIGNED TO

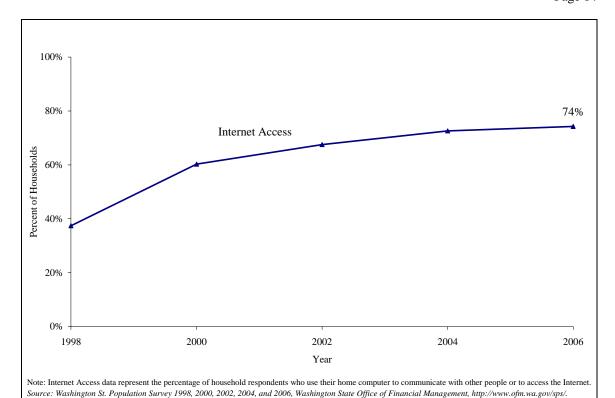
_

¹² ISP Remand Order, \P 4-5.

1 COMPENSATE QWEST FOR ALL SWITCHED TRAFFIC THAT IS 2 PICKED UP IN THE LOCAL CALLING AREA? 3 A. No. Based upon the fact that switching costs are caused by the different 4 categories of traffic that use switching, only a portion of switching costs are 5 designated for recovery in prices for local services. That is, local service prices 6 are designed to recover the portion of switching costs attributed to local traffic. 7 Local service prices are not designed to recover the portion of switching costs 8 attributed to non-local calls. Firms that use Qwest's switches to provide 9 interexchange calls are responsible for contributing to the recovery of a distinct 10 portion of switching costs. As observed by Level 3 in its comments to the FCC: 11 "the interexchange carrier is left to recover its costs for originating and terminating the call from its customers."¹³ No matter where an interexchange 12 13 carrier picks up traffic, it is responsible for the switching costs associated with 14 this traffic. HAS THE RAPID RISE OF INTERNET ACCESS MADE THE 15 Q. 16 CLASSIFICATION OF THIS TRAFFIC AN IMPORTANT ISSUE? 17 A. Yes. The rapid rise of Internet access rivals the wireless phone revolution as the 18 most dramatic change in communications over the last ten years. As shown in 19 Figure 1, the portion of the households in Washington connected to the Internet 20 nearly doubled from 37 percent in 1998 to 73 percent in 2004.

Comments of Level 3 Communications, LLC, *In the Matter of Developing a Unified Intercarrier Compensation Regime*, CC Docket No. 01-92, (FCC August 21, 2001), p. 10.

Figure 1. Percent of Households in Washington with Internet Access



As shown, by 2004 the majority of households in Washington already had

Internet access.

1

7

8

Although over half of Internet households in Qwest's service territory in

Washington now use broadband connections to access the Internet, dial-up traffic

remains substantial.¹⁴

Q. DOES THE FUTURE OF INTERNET ACCESS IN WASHINGTON DEPEND ON THE CONTINUED USE OF VNXX?

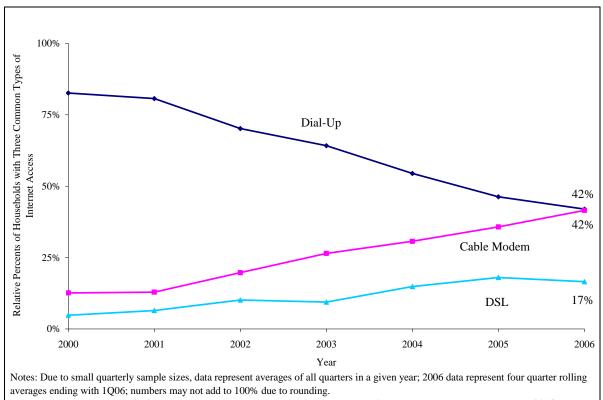
9 A. No. The continued use and proliferation of dial-up Internet access does not depend upon allowing CLECs to avoid costs that they cause. By 2004, most

According to a recent survey, approximately three-quarters of the households in Qwest's service area in Washington have Internet access. "Internet Access Method Penetration: Qwest Footprint - Washington," TNS Telecoms ReQuest® Consumer Survey, 2006.

1	households in Washington with home computers were connected to the Internet.
2	Since that time, the gap between households with computers and households with
3	an Internet connection has remained relatively stable. ¹⁵ We have reached a point
4	where future increases in Internet access are limited by the numbers of computer-
5	households, and the decision in this proceeding is not likely to have a material
6	impact on the numbers of households with computers. It may, however, have an
7	impact on the continued development of efficient and beneficial
8	telecommunications markets in Washington.
9	Furthermore, in Washington and across the nation, the portion of Internet-
10	households using broadband connections continues to rise. As shown in Figure 2,
11	in the first quarter of this year, over one-half of the Internet households in
12	Qwest's service area in Washington were already using broadband connections.

More recent TNS research reveals that the gap between household computer ownership and Internet access has remained relatively unchanged. *See* "Internet Access Method Penetration: Qwest Footprint - Washington," TNS Telecoms ReQuest® Consumer Survey, 2006.

Figure 2. Composition of Internet Access in Washington



Source: "Internet Access Method Penetration: Qwest Footprint - Washington," TNS Telecoms ReQuest® Consumer Survey, 2006.

To summarize, the future of Internet access depends upon policies that promote efficient competition among firms using a range of technologies, including wireline, cable-based assets, wireless, and others. Efficient competition occurs when firms pay for the assets that they use and the costs that they cause. Requiring CLECs to pay for the costs they cause is in the best long term interest of the citizens of Washington.

Q. DOES THAT CONCLUDE YOUR TESTIMONY?

10 A. Yes.

1

2

3

4

5

6

7

8