

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**IN THE MATTER OF THE CONTINUED)
COSTING AND PRICING OF UNBUNDLED) Docket No. UT-003013
NETWORK ELEMENTS, TRANSPORT,) Part D
TERMINATION, AND RESALE)**

SUPPLEMENTAL REBUTTAL

TESTIMONY OF

TERESA K. MILLION

ON BEHALF OF

QWEST CORPORATION

APRIL 17, 2002

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IDENTIFICATION OF WITNESS

2

Q. PLEASE STATE YOUR NAME, POSITION, EMPLOYER, AND

3

BUSINESS ADDRESS.

4

A. My name is Teresa K. Million. I am employed by Qwest Corporation (Qwest), as

5

Director – Service Costs. My business address is 1801 California Street, Denver, CO.

6

Q. HAVE YOU PREVIOUSLY FILED TESTIMONY IN THIS PROCEEDING?

7

A. Yes.

8

9

PURPOSE OF TESTIMONY

10

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS

11

PROCEEDING?

12

A. The purpose of this testimony is to rebut the supplemental testimonies of Mr. Sidney L.

13

Morrison and Mr. Roy Lathrop of Worldcom, Inc. relating to Qwest's nonrecurring

14

costs filed in Part D of this docket.

15

16

TESTIMONY OF MR. MORRISON

17

Q. WHAT ADDITIONAL CRITICISMS DOES MR. MORRISON MAKE OF

18

QWEST'S DEVELOPMENT OF ITS NONRECURRING CHARGES?

1 A. On page 4 of his testimony Mr. Morrison discusses two issues that he identifies as
2 problems with Qwest's data collection methods used to establish work times used in the
3 development of nonrecurring charges (NRCs). First, he indicates that Qwest does not
4 use a range of data to establish work times. Second, he states that Qwest uses the
5 "unsubstantiated" opinion of subject matter experts (SMEs) to estimate times for work
6 items.

7

8 **Q. WHAT IS MR. MORRISON'S PROPOSED SOLUTION FOR THESE**
9 **PURPORTED INADEQUACIES WITH QWEST'S NONRECURRING**
10 **STUDIES?**

11 A. Mr. Morrison proposes two possible solutions for the Commission. First, he suggests
12 that the Commission require Qwest to use properly designed time and motion studies to
13 establish the work times used in developing the nonrecurring charges (NRCs). He does
14 not attempt to qualify in his testimony what he believes constitutes a "properly designed
15 time and motion" study, nor does he explain how such studies conform with the FCC's
16 forward-looking TELRIC rules.

17

18 Mr. Morrison's alternative solution is for the Commission to rely on his own
19 unsubstantiated opinion, much of which he gained through years of experience working
20 for Qwest's predecessor, U S WEST. However, it is important to remember that in

1 this proceeding Mr. Morrison is not a neutral participant reporting on his experience
2 with Qwest. Mr. Morrison is an adversarial party advocating his client's desire to gain
3 competitive advantage through nonrecurring rates that leave Qwest and its customers to
4 bear the costs. In contrast, Qwest's SMEs are simply reporting to a cost analyst their
5 estimates of the times and probabilities for specific work functions based on instructions
6 that those estimates be forward-looking. Furthermore, Mr. Morrison is not currently
7 performing any of the activities he evaluates, whereas, Qwest's SMEs have both current
8 experience and knowledge of Qwest's forward-looking plans.

9

10 **Q. IS MR. MORRISON CORRECT IN HIS CRITICISM OF QWEST'S**
11 **DATA COLLECTION METHODS?**

12 A. No. Mr. Morrison states that Qwest does not use a range of data to establish work
13 times and that the opinions of its SMEs are unverified. He goes on to say that relying on
14 one expert's opinion to determine tasks and times can be a problem. Apparently, Mr.
15 Morrison does not believe that those rules apply to the time estimates that he has
16 provided in this case.

17

18 Qwest has provided detailed backup that includes the estimates for each task of the
19 time and probability of occurrence for every nonrecurring charge. As explained in my
20 rebuttal testimony filed March 7, 2002, this backup often includes the name of the

1 person or persons providing the estimate, performing the work or supervising people
2 who perform the work. Sometimes the backup contains only the name of the SME
3 providing the information to the cost analyst. Nevertheless, Qwest explained to Mr.
4 Morrison during a Qwest/New Mexico Technical Conference held on February 7 and
5 8, 2002, that its SMEs do not work alone in providing estimates for the cost studies.
6 The explanations provided at the informal conference were confirmed in responses to
7 formal data requests submitted subsequently by Mr. Morrison. (See the data requests
8 and responses provided to New Mexico Staff in Exhibit TKM-58. The responses are
9 equally applicable in Washington.). While the SMEs are typically experienced at
10 performing the activities, or supervise people who perform the activities, they are
11 instructed to obtain the information from experts who actually do the work, are
12 proficient at performing the tasks, and have a minimum of one to two years experience
13 performing the work. The SMEs and technicians collaborate to develop the
14 documentation provided to the cost analyst for cost support. The experts' opinions of
15 the estimates are determined based on key assumptions for the nonrecurring cost
16 studies, including the requirement that the estimates be forward looking for 12 to 18
17 months. (See Exhibit TKM-58, New Mexico Staff Data Request #03-005).

18

19 Qwest has also explained to Mr. Morrison that the process of determining time and
20 probability estimates, as mentioned above, is often a collaborative process wherein a

1 group of experts and technicians meet to discuss the tasks and work activities
2 performed. (See Exhibit TKM-58, New Mexico Staff Data Request # 03-017 and
3 03-018). During that collaborative process each participant provides input, the
4 estimates are determined, and the data resulting from the group's consensus is provided
5 to the cost analyst. These discussions may result in both a range of times and averages
6 agreed upon by the group to develop the final estimate in the collaborative process.
7 The SMEs ultimately provide average times and probabilities to the cost analyst, but this
8 does not mean that ranges are not examined in determining those averages.

9
10 **Q. DO MR. MORRISON'S RECOMMENDATIONS PROVIDE QWEST OR**
11 **THE COMMISSION WITH REASONABLE ALTERNATIVES TO**
12 **QWEST'S OWN ESTIMATES OF TIMES AND PROBABILITIES?**

13 A. Absolutely not. Mr. Morrison suggests that Qwest be required to perform time and
14 motion studies to develop estimates for use in its nonrecurring studies. In fact, Mr.
15 Morrison performed time and motion studies on behalf of U S WEST in 1980 and
16 1981. Thus, Mr. Morrison is well aware that Qwest discontinued its practice of
17 conducting time and motion studies, years before the passage of the
18 Telecommunications Act of 1996, in the face of pressures to reduce costs and eliminate
19 activities that were viewed as not adding sufficient value. This is, in part, because time
20 and motion studies are most effective in measuring repetitive, assembly-line type

1 functions. Qwest's work activities are often complex and variable; thus, difficult or
2 impossible to measure through direct observation. For example, in Mr. Hubbard's
3 Supplemental Rebuttal Testimony (at pages 2 to 7), referring to Dr. Cabe's testimony
4 Mr. Hubbard describes a variety of circumstances in which the actual activities that take
5 place during cooperative testing of a loop are very different from one test to another.
6 Performance of time and motion studies for these activities would require a great deal of
7 time to capture the variety of scenarios that arise during cooperative testing, and, even
8 then, observations recorded during a snapshot in time might not provide an accurate
9 reflection of the activities actually taking place in the real world. Therefore, Qwest
10 believes that it is more reliable and cost-effective to use the forward-looking estimates
11 provided by its experienced SMEs. Based on their experience, the SMEs are able to
12 develop average times that more accurately reflect the overall result of a variety of tasks
13 included in Qwest's nonrecurring cost studies than would be produced through time and
14 motion studies. Evidently, Mr. Morrison believes that Qwest, or perhaps its customers,
15 should bear the high cost of reinstating such studies with no assurance that Commissions
16 will find the results to be more accurate or statistically valid than the estimates provided
17 by SMEs who have responsibility for the processes.

18

19 **Q. IS THERE ANOTHER FLAW WITH MR. MORRISON'S**
20 **RECOMMENDATION TO USE TIME AND MOTION STUDIES?**

1 A. Yes. Mr. Morrison fails to mention that time and motion studies are by definition
2 backward looking and based only on practices and processes that have existed
3 historically. Time and motion studies do not meet the FCC's requirement that TELRIC
4 studies be forward-looking. In contrast, Qwest's methods develop nonrecurring costs
5 based on forward-looking probabilities and time estimates. Qwest's SMEs base their
6 estimates both on their considerable experience and their day-to-day work in the
7 centers where the work steps are performed, as well as their involvement in evaluating
8 and implementing future process and system improvements in their groups. The times
9 estimated include anticipated process efficiencies and mechanization for a 12 to 18
10 month horizon, and are based on averages for particular functions.

11

12 **Q. IS MR. MORRISON CORRECT TO RECOMMEND ADJUSTMENTS**
13 **TO THE INTERCONNECT SERVICE CENTER (ISC) TIMES?**

14 A. No. Qwest utilizes a time of six (6) minutes for ISC activities in its nonrecurring cost
15 studies, pursuant to paragraph 473 of the Commission's Eighth Supplemental Order in
16 Docket No. UT-960639, et al. for every nonrecurring element except the UNE-P
17 elements which are separated between manual and mechanized processes. In those
18 cases, Qwest uses its true estimates of ISC activities as a starting point for manual
19 processes, and then applies the mechanized flow through rates to determine mechanized
20 processing. This approach results in estimated times for manual processing above six

1 (6) minutes and for mechanized processing far below six (6) minutes. It would be
2 inappropriate to use six (6) minutes as a starting point for manual processes because, as
3 Qwest has explained previously, the six (6) minutes already manifests a reduction in the
4 amount of time Qwest estimates that it takes to perform the activities necessary in the
5 ISC. Except in the case of mechanized processing for UNE-P POTS and CTC, where
6 Qwest uses 95% flow through for activities, Qwest continues to expect greater than six
7 (6) minutes of ISC processing time for other unbundled elements. Nevertheless,
8 Qwest's nonrecurring studies reflect six (6) minutes for ISC processing for remaining
9 nonrecurring elements as required by the Commission. Under the circumstances, it is
10 inappropriate for Mr. Morrison to reduce ISC times further.

11

12 **Q. MR. MORRISON RECOMMENDS THAT THE COMMISSION**
13 **REDUCE QWEST'S LOOP PROVISIONING CENTER (LPC) ACTIVITY**
14 **TIME BY HALF, IS HE CORRECT?**

15 A. No. Not only is there no support for his 50% reduction in Qwest's time estimate,
16 clearly, Mr. Morrison does not understand the nature of the LPC activity he is
17 suggesting the Commission reduce the time for. In addition, Mr. Morrison's discussion
18 of the LPC appears to conflict with his criticisms of Qwest's nonrecurring studies in his
19 direct testimony filed December 21, 2001. In that case, on page 25, he argues that his
20 experience tells him that a level of detail that assigns times to each measured detail work

1 item is not realistic. Here, he criticizes Qwest for providing additional documentation of
2 the process represented in the cost study because it does not include time estimates for
3 the additional steps described, but instead provides support for the tasks that are
4 chained together into a complete process represented by a single time estimate. It is
5 unclear at this point whether Mr. Morrison expects Qwest to provide more detail about
6 the work steps involved in the nonrecurring times or less. It should be noted that the
7 data request to which Mr. Morrison refers asks Qwest to “[d]escribe in detail the work
8 steps involved....” The data request does not ask Qwest to provide times for each of
9 those work steps.

10
11 Nevertheless, the work activity “Avg Clearing Time per RMA” represents the average
12 time Qwest estimates for an Assignment Consultant to clear or complete a Request for
13 Manual Assistance, also known as a manual plant line assignment. This activity takes
14 place only when an order cannot be automatically processed in Qwest’s systems. As
15 described in response to a New Mexico Staff Data Request, the time estimate is based
16 on an assumption that an experienced Assignment Consultant completes 40 RMAs in a
17 typical 7.5-hour day (i.e., $7.5 \text{ hours} / 40 = 11.25 \text{ minutes per RMA}$) (see Exhibit TKM-
18 59, New Mexico Staff Data Request #03-027). In Washington, Qwest’s nonrecurring
19 study also assumes that an Assignment Consultant will only process RMAs 15% of the
20 time (i.e., $11.25 \text{ minutes} * 15\% = 1.69 \text{ minutes}$). This 15% probability was determined

1 by the Commission in the prior cost docket and is discussed in my direct testimony
2 (Exhibit TKM-T26), filed November 7, 2001, at page 15, line 3. The effect of Mr.
3 Morrison's recommendation to reduce the 1.69 minutes by 50% would be to change
4 Qwest's assumption from 40 to 80 as the number of RMAs an experienced Assignment
5 Consultant could complete in a day. It should be clear from this example that Mr.
6 Morrison's "adjustments" are nothing more than an attempt to reduce Qwest's NRCs
7 by half, and are not supported by fact or reason.

8

9 **Q. MR. MORRISON RECOMMENDS THAT QWEST IMPLEMENT A**
10 **PLAN TO CONTINUALLY UPGRADE SYSTEMS INTERFACES AND**
11 **BUSINESS PROCESSES. DOES QWEST HAVE SUCH A PLAN?**

12 A. Yes. As explained by Ms. Albersheim, and as discussed in my rebuttal testimony
13 (Exhibit TKM-T54) filed March 7, 2002, at pages 4 and 5, it is misguided of Mr.
14 Morrison to suggest that Qwest utilizes anything other than sophisticated systems and
15 interfaces that are continuously updated and upgraded. Documentation filed in Part A
16 of this cost docket at Exhibit TKM-03 (attached hereto as Exhibit TKM-60), shows
17 that from 1990 through 1999, Qwest's programming expenditures alone have ranged
18 from \$275 million to almost a billion dollars a year. For the years 1997 through 1999,
19 of the \$2.4 billion Qwest spent on programming costs, \$153.7 million was related to
20 year 2000 (commonly known as Y2K) issues faced by the entire world, \$119.5 million

1 was related to providing CLECs access to Qwest's OSS, and the remaining \$2.1 billion
2 was spent upgrading Qwest's internal systems and business processes. These numbers
3 do not take into account the capital dollars Qwest has expended for computer
4 hardware upgrades. Thus, Mr. Morrison's suggestion that Qwest's manual processes
5 are overstated and its nonrecurring cost studies are not forward-looking because its
6 internal systems have not been continually upgraded is an empty argument with no basis
7 in fact. In addition, as discussed in response to a New Mexico Staff Data Request,
8 Qwest also performs routine reviews of its business processes in order to effect positive
9 change (see Exhibit TKM-59, New Mexico Staff Data Request #03-025). Qwest's
10 plans absolutely include continuous updates of systems and processes, updates that are
11 reflected in Qwest's time estimates, and provide CLECs with the same provisioning
12 capabilities that Qwest will experience in the real world on a forward-looking basis.

13

14

TESTIMONY OF MR. LATHROP

15

**Q. MR. LATHROP SAYS THAT CHARGING CLECS TO INSPECT THE
16 NETWORK AND UPDATE ITS RECORDS IS AN INCONSISTENT
17 APPLICATION OF THE COST CAUSATION PRINCIPLES IN TELRIC.
18 IS HE CORRECT?**

18

19

A. No. At page 4 of his reply testimony, dated February 14, 2002, Mr. Lathrop states
20 that it is not clear what benefit a CLEC or Qwest derives from the time included to

20

1 review the route in the database, since Qwest requires a field verification of the route.
2 Mr. Lathrop misunderstands the nature of the activities related to inquiries and field
3 visits. As explained in more detail by Mr. Hubbard, an inquiry is conducted when a
4 CLEC submits a request in order to determine if the particular route being requested is
5 available, although not whether space is available. If the route is not available, then the
6 only charge to the CLEC is the inquiry fee for the work Qwest has performed to
7 ascertain the route availability, and no field inspection occurs. If the route is available, a
8 field inspection is conducted to determine physical condition of poles or manholes
9 included in the route, as well as actual availability of space in the route. Physical
10 inspection is necessary, in part, because during each intervening period between
11 inspections, events could occur that Qwest would have no way of knowing about, and
12 that would not be reflected in its databases. For example, the database would not
13 necessarily contain the information that a municipality had recently paved over the
14 opening of a manhole, or a fence had been constructed making access to a pole
15 impossible. Thus, the field inspection is conducted to ascertain the condition and space
16 available on the route. Both the inquiry and inspection are necessary functions of
17 providing CLECs with access to requested routes.
18
19 Qwest performs such functions for itself and updates the information contained in the
20 databases as necessary. Qwest does not propose to charge CLECs when it conducts a

1 field inspection or updates data for itself. Nevertheless, the information resulting from
2 that activity is equally available for the benefit of the CLECs even though Qwest causes
3 and bears the cost of that particular inspection. Likewise, when the inspection activity
4 results from a request made by a CLEC, it is appropriate for the CLEC who causes the
5 request to bear the cost. The fact that Qwest is able to update the information
6 contained in its databases is irrelevant to the need to conduct an inspection.

7

8 **Q. ON PAGE 5 OF HIS TESTIMONY DATED FEBRUARY 14, 2002, MR.**
9 **LATHROP NOTES THAT QWEST DOES NOT CONSIDER THE**
10 **NUMBER OF POLES VERIFIED PER JOB IN ITS TIME ESTIMATE**
11 **FOR FIELD VERIFICATIONS OF POLES. IS HE CORRECT?**

12 A. No. Qwest's time estimate for field verifications of poles does consider the number of
13 poles verified per job. Qwest estimates the time to verify poles at an average of twenty
14 minutes per pole, including the time to travel to the site, identify the pole number, street
15 code and ownership, and document conditions. Depending on where the route is
16 located, in proximity to the engineer's location, it could take anywhere from a few
17 minutes to hours just to travel to the site. The twenty-minute-per-pole time estimate for
18 these activities is an average that assumes ten poles per job and spreads the time for
19 travel across the estimates for the multiple poles. Once at the job site, the engineer
20 makes the appropriate identifications, notes physical conditions, space availability and

1 documents the information. The average also considers that the engineer encounters
2 varying conditions on each field visit. While some routes may be easily accessible for
3 inspection, others may require moving a vehicle and setting up traffic protection for each
4 pole inspected.

5

6 **Q. MR. LATHROP ALSO SUGGESTS, AT PAGE 7 OF HIS REPLY**
7 **TESTIMONY THAT QWEST SHOULD SEPARATE THE ACTIVITIES**
8 **PER JOB FROM THE ACTIVITIES PER MANHOLE IN ITS ESTIMATE**
9 **OF TIME FOR FIELD VERIFICATION OF MANHOLES. PLEASE**
10 **COMMENT.**

11 A. Again, Mr. Lathrop incorrectly interprets Qwest's nonrecurring time estimate for field
12 verifications of manholes. As explained in my rebuttal testimony (Exhibit TKM-T54),
13 filed March 7, 2002, at page 13, the 90 minute assumption for Network Technician
14 time is an average that takes into account the wide variety of circumstances that may
15 exist in performing a field verification of manholes. The assumption also takes into
16 account that functions such as loading the truck do not occur for each manhole, as well
17 as taking into account that activities such as site set up and tear down do occur for each
18 manhole. Mr. Lathrop acknowledges that Qwest assumes 15 manholes per job and
19 then suggests that multiple jobs could be conducted per day, allegedly supporting a
20 position that Qwest's 90 minute time assumption should be reduced to spread truck and

1 travel time over the average number of jobs per day. If Qwest assumes 15 manholes
2 per job, and it takes 90 minutes on average to perform all of the necessary activities at
3 each manhole, then it is likely that instead of completing multiple jobs in a day, a
4 Network Technician will take multiple days to complete a single job. Nevertheless,
5 Qwest's 90 minute time estimate assumes that the technician only loads the truck and
6 travels to the site one time per job. Clearly, Qwest's estimate already incorporates
7 economies of time that are not necessarily encountered by a technician performing the
8 work.

9
10 **Q. IN HIS SURREBUTTAL TESTIMONY, FILED APRIL 5, 2002, MR.**
11 **LATHROP ADDRESSES SEVERAL OF QWEST'S NONRECURRING**
12 **STUDIES AND JUSTIFIES ADJUSTMENTS BY PROPOSING NEW**
13 **TIME REQUIREMENTS FOR NUMEROUS STEPS. DO YOU AGREE**
14 **WITH MR. LATHROP'S ADJUSTMENTS?**

15 A. No. Mr. Lathrop provides the Commission with a list of detailed work steps that
16 Qwest provided to him in response to discovery requests and presents them with his
17 own assumed times included. The times estimated by Qwest's SMEs were provided
18 for the entire function at a less granular level. For example, Qwest estimates that on
19 average the Collocation Project Management Center (CPMC) will spend two hours on
20 Application Verification, Date Setting and Project Management activities. The SMEs

1 providing those estimates perform the work currently, or have responsibility for the
2 people who perform the work, and are aware of system and process improvements
3 planned for the future. Mr. Lathrop then takes additional information in Mr. Hubbard's
4 testimony, where he describes the CPMC functions in more detail, assigns his own
5 assumed times for the detailed work steps, and produces a one-hour estimate for
6 CPMC activities. It would be inappropriate to give weight to the detailed times
7 provided by Mr. Lathrop absent some evidence that he has any experience with the
8 detailed work steps that he has provided estimates for, or any substantiation for the
9 times he assigns beyond his own *guess* as to appropriate times. Again, it appears that
10 when Qwest provides times at a detailed level in its nonrecurring studies the CLECs
11 criticize that the time estimates are too detailed, and when estimates are provided for the
12 entire function the CLECs criticize that the time estimates are not detailed enough. It
13 defies logic to assume that because Mr. Lathrop has provided these detailed estimates
14 in testimony, they are necessarily more correct than those provided by Qwest's SMEs.

15

16 **Q. MR. LATHROP STATES AT PAGE 6 OF HIS SURREBUTTAL**
17 **TESTIMONY THAT QWEST'S APPROACH TO CABLE RACKING**
18 **ESTIMATES ASSUMES A SHORT RUN INCREMENTAL APPROACH.**
19 **IS HE CORRECT?**

1 A. No. In support of his position, Mr. Lathrop states that a forward-looking approach
2 would be based on “best practices space planning and designed to incorporate a multi-
3 tenant environment.” He would have the Commission believe that that approach would
4 mean never having to assume additional cable racking for CLEC to CLEC direct
5 connections. However, even if Qwest rebuilt every one of its central offices from the
6 ground up, there would still be instances where CLECs that wanted to connect to each
7 other might not be located in adjacent collocation spaces with sufficient existing cable
8 racking between them. Qwest does not control which CLECs decide to connect to
9 which other CLECs, nor does it control when a CLEC decides to collocate in a
10 particular central office. If one CLEC decides to collocate in an office in one year, and
11 another CLEC collocates three years later after five other CLECs have collocated in the
12 office there is no guarantee under any circumstance that they would be located next to
13 each other or even on the same floor. If those CLECs then decided they wanted to
14 connect their collocation spaces Qwest would likely need to place cable racking to
15 accommodate their request. Qwest’s study makes a reasonable forward-looking
16 assumption that one additional foot of cable racking would be needed. This one foot of
17 cable racking is assumed to be shared by three CLECs, and is included in the flat
18 charge for CLEC to CLEC direct connection.

19

1 **Q. MR. LATHROP SAYS THAT QWEST'S ASSUMPTION THAT CLECS**
2 **COULD BE COLLOCATED ON MULTIPLE FLOORS IS**
3 **INCONSISTENT WITH ITS OWN METHOD FOR DEVELOPING**
4 **COLLOCATION RENT COSTS. IS HIS POINT RELEVANT?**

5 A. No. Qwest's collocation rent costs are based on a study that begins with input
6 assumptions from R.S. Means. R.S. Means provides a national standard from which
7 the real estate industry develops rent costs. This study has no connection to a study for
8 CLEC to CLEC direct connection, which tries to determine the costs for connecting
9 one CLEC to another within a central office building. Nor do the assumptions used to
10 develop collocation rent costs have any bearing on the way Qwest has developed any
11 of its other collocation assumptions.

12
13 The discussion in my rebuttal testimony (Exhibit TKM-T54), and Mr. Hubbard's
14 rebuttal testimony (Exhibit RJH-T10), was intended merely to provide an example of
15 the reasons why two CLECs might not be located adjacent to each other in a central
16 office, and additional cable racking would be required. It is irrelevant whether the
17 CLECs are on the same floor, or different floors, or in building additions. Qwest's cost
18 study assumes that, regardless of where they are collocated, CLECs will use shared
19 cable racking for their direct connections 95% of the time. Shared cable racking is
20 charged monthly on a recurring basis per foot of cable racking used per cable. For the

1 remaining 5% of the time Qwest assumes that it will provide additional dedicated cable
2 racking to enable the CLECs to complete their connections between their collocation
3 spaces. That assumption results in one additional foot of dedicated cable racking per
4 direct connection, which is assumed to be shared by three CLECs. This is a reasonable
5 assumption in a forward-looking central office environment.

6

7 **Q. MR. LATHROP DISCUSSES OTHER INCONSISTENCIES IN QWEST'S**
8 **APPROACH TO DIRECT CONNECTIONS WITH RESPECT TO FIBER**
9 **CABLE RACKING. PLEASE COMMENT.**

10 A. Mr. Lathrop says that because Qwest ignored the actual deployment of fiber to
11 collocation arrangements in developing collocation costs, Qwest is inconsistent with its
12 approach to developing cable racking costs. This, he says, is because Qwest ignored
13 the central office model used to develop space rental costs when it developed the cable
14 racking costs. However, as discussed above, the central office model used for
15 collocation rent cost has no connection to the assumptions in the CLEC to CLEC direct
16 connections costs for cable racking. Nor should it, since the development of costs for
17 dedicated cable racking is entirely unrelated to space rent. It is not inconsistent for
18 Qwest to include costs in the CLEC to CLEC direct connection study that are not
19 included in its collocation study. Qwest's approach to these costs is both consistent,

1 and careful to include only those costs that have not been addressed elsewhere in
2 Qwest's studies.

3
4 Mr. Lathrop also claims that Qwest provided new information in explaining that its
5 collocation study did not contain assumptions for fiber cable racking. This information is
6 not new. As Mr. Lathrop points out, Qwest's collocation study was filed in Part A of
7 this proceeding and any participant in the cost docket has had ample opportunity to
8 examine that study. Even if there was no discussion previously of the fact that no fiber
9 cable racking was included in Qwest's collocation costs, the information was available
10 in the proceeding and included in Qwest's previously filed evidence. That Qwest failed
11 to include fiber cable racking costs in its study where CLECs have deployed fiber to
12 their collocation arrangements is Qwest's misfortune. That does not make it
13 inconsistent or inappropriate for Qwest to include costs in the elements submitted in
14 Part D that were excluded from the elements reviewed in Part A.

15

16 **Q. MR. LATHROP CONTINUES TO ASSERT THAT THE ENGINEERING**
17 **PERFORMED IN CONNECTION WITH SPACE OPTIONING IN SOME**
18 **WAY OVERLAPS WITH THE ENGINEERING PERFORMED FOR**
19 **COLLOCATION. IS HE CORRECT?**

1 A. No. Although the Space Option product is described with some specificity as to type
2 of collocation being optioned, Mr. Lathrop is incorrect. The space optioned is not
3 specifically assigned nor space designated to a specific CLEC within the central office.
4 That is, there is no guarantee of specific space in a central office based on a CLEC
5 having an option on space. The CLEC is merely guaranteed that an amount of desired
6 space will be available if and when the CLEC is ready to collocate. Therefore, as other
7 CLECs collocate in a particular office and space fills up, before Qwest would place a
8 CLEC in the last available space, a CLEC that holds a space option is provided with a
9 first right-of-refusal opportunity to decide whether to proceed with its collocation plans
10 or give the space up to the other CLEC. Thus, means is that during the period of time
11 between the request for a space option and the time a CLEC collocates in a central
12 office, several years could pass, new collocation arrangements could be in place, and
13 any information gathered originally for the space option would no longer be valid.
14 Furthermore, although engineering for a generic, non-specific space may require some
15 of the same tasks, the engineering conducted once Qwest receives a firm request for
16 collocation is very specific to the circumstances of the request. Thus, it would be
17 inappropriate for the Commission to credit any of the engineering time resulting from a
18 space option request to the engineering time necessary for a collocation request.

19 **CONCLUSION**

1 **Q. BASED ON YOUR SUPPLEMENTAL REBUTTAL TESTIMONY, WHAT**
2 **ARE YOUR RECOMMENDATIONS TO THIS COMMISSION?**

3 A. Once again, the Commission should resist the temptation to reduce the time estimates
4 and probabilities provided by Qwest's SMEs, and contained in its nonrecurring studies,
5 on the basis of conjecture and speculation by intervening witnesses without concrete
6 evidence that adjustments are appropriate. Qwest's nonrecurring studies are based on
7 Qwest's forward-looking OSS and reflect only the manual processes that Qwest must
8 perform in conjunction with those systems on a forward-looking basis. Qwest has used
9 a reasonable and well-documented approach to estimate the forward-looking times and
10 probabilities used in its studies. Finally, although the intervenors suggest otherwise, the
11 FCC does not require Qwest to provide capabilities to the CLECs beyond what Qwest
12 is able to do for itself in the real world with respect to its OSS. It would be
13 inappropriate for the Commission to require Qwest to perform all of the activities
14 necessary to provision CLEC requests for UNEs, then follow their recommendations to
15 reduce times and eliminate activities from the NRC study based on conjecture about
16 what constitutes a forward-looking estimate.

17

18 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

19 A. Yes, it does.

INDEX OF EXHIBITS

<u>EXHIBIT</u>	<u>DESCRIPTION</u>
TKM-58	Qwest responses to New Mexico Staff Data Requests Nos. 03-005, 03-006, 03-009, 03-010, 03-011, 03-017, 03-018, 03-022, 03-023, 03-024
TKM-59	Qwest response to New Mexico Staff Data Requests Nos. 03-025, 03-026, 03-027
TKM-60	Exhibit TKM-03 from Part A of this docket