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OCT 29 1999
October 29, 1999

EXECUTIVE SECRETARY

VIA HAND DELIVERY

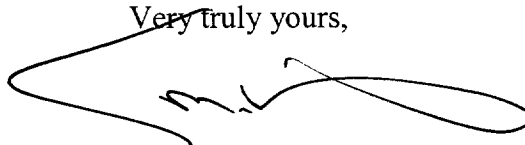
David Waddell, Executive Secretary
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, TN 37238

Re: *Petition by ICG Telecom Group, Inc. for Arbitration of an Interconnection Agreement with BellSouth Telecommunications, Inc. pursuant to Section 252(b) of the Telecommunications Act of 1996*
Docket No. 99-00377

Dear Mr. Waddell:

Enclosed are the original and thirteen copies of the Direct Testimony of D. Daonne Caldwell on behalf of BellSouth Telecommunications, Inc. Exhibit DDC-1, which is a cost study containing proprietary information, is being submitted to the Authority under separate cover in accordance with the terms of the Protective Order entered in this proceeding. Copies of the enclosed are being provided to counsel of record for all parties.

Very truly yours,



Guy M. Hicks

GMH:ch
Enclosure

FILE

1 **BELLSOUTH TELECOMMUNICATIONS, INC.**
2 **DIRECT TESTIMONY OF D. DAONNE CALDWELL**
3 **BEFORE THE TENNESSEE REGULATORY AUTHORITY**
4 **DOCKET NO. 99-00377**
5 **OCTOBER 29, 1999**
6
7

8 **Q. PLEASE STATE YOUR NAME, ADDRESS AND OCCUPATION.**

9

10 A. My name is D. Daonne Caldwell. My business address is 675 W. Peachtree St.,
11 N.E., Atlanta, Georgia. I am a Director in the Finance Department of BellSouth
12 Telecommunications, Inc. (hereinafter referred to as "BellSouth"). My area of
13 responsibility relates to economic costs.

14

15 **Q. PLEASE PROVIDE A BRIEF DESCRIPTION OF YOUR EDUCATIONAL**
16 **BACKGROUND AND WORK EXPERIENCE.**

17

18 A. I attended the University of Mississippi, graduating with a Master of Science
19 Degree in mathematics. I have attended numerous Bell Communications
20 Research, Inc. ("Bellcore") courses and outside seminars relating to service cost
21 studies and economic principles.

22

23 My initial employment was with South Central Bell in 1976 in the Tupelo,
24 Mississippi, Engineering Department where I was responsible for Outside Plant
25 Planning. In 1983, I transferred to BellSouth Services, Inc. in Birmingham,

1 Alabama, and was responsible for the Centralized Results System Database. I
2 moved to the Pricing and Economics Department in 1984 where I developed
3 methodology for service cost studies until 1986 when I accepted a rotational
4 assignment with Bellcore. While at Bellcore, I was responsible for development
5 and instruction of the Service Cost Studies Curriculum including courses such as
6 “Concepts of Service Cost Studies”, “Network Service Costs”, “Nonrecurring
7 Costs”, and “Cost Studies for New Technologies”. In 1990, I returned to
8 BellSouth and was appointed to a position in the cost organization, now a part of
9 the Finance Department, with the responsibility of managing the development of
10 cost studies for transport facilities, both loop and interoffice. My current
11 responsibilities encompass testifying in cost-related dockets, cost methodology
12 development, and the coordination of cost study filings.

13

14 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

15

16 A. The purpose of my testimony is to respond to the cost aspects of the following
17 issue:

18

19 **Issue #3: “Should BellSouth be required to make available as UNEs packet-**
20 **switching capabilities?”**

21

22 The cost study conducted for this arbitration determines the Total Element Long
23 Run Incremental Cost (“TELRIC”) for packet switching capabilities based on a
24 frame relay architecture.

25

1 **Q. WHAT IS BELL SOUTH'S PROPOSED REMEDY ON THIS ISSUE?**

2

3 A. The Authority should adopt the cost studies BellSouth has submitted in this
4 proceeding in establishing rates for packet switching elements. The referenced
5 rates are not at issue in the generic cost docket, Petition to Convene a Contested
6 Proceeding to Establish Permanent Prices for Interconnection and Unbundled
7 Network Elements, Docket No. 97-01262. Below is a summary of the cost results:

8

9		<u>Cost Element</u>	<u>Recurring</u>	<u>Nonrecurring</u>
10	N.1	UNBUNDLED PACKET SWITCHING FRAME RELAY SERVICE		
11	N.1.1	UPS - UNI/NNI FRS 56 KBPS	\$22.07	\$130.43
12	N.1.2	UPS - UNI/NNI FRS 64 KBPS	\$22.07	\$130.43
13	N.1.3	UPS - UNI/NNI FRS 1.536 MBPS	\$70.95	\$149.65
14	N.1.4	UPS - UNI/NNI FRS 44.210 MBPS	\$531.85	\$225.24
15	N.1.5	UPS - UNI/NNI FRS - DLCI Additional		\$39.81
16	N.1.6	UPS - UNI/NNI FRS CIR - 0 BPS	\$0.0756	
17	N.1.7	UPS - UNI/NNI FRS CIR - 1 - 32 KBPS	\$0.3782	
18	N.1.8	UPS - UNI/NNI FRS CIR - 32 - 56 KBPS	\$0.6618	
19	N.1.9	UPS - UNI/NNI FRS CIR - 56 - 64 KBPS	\$0.7564	
20	N.1.10	UPS - UNI/NNI FRS CIR - 64 - 128 KBPS	\$1.51	
21	N.1.11	UPS - UNI/NNI FRS CIR - 128 - 256 KBPS	\$3.03	
22	N.1.12	UPS - UNI/NNI FRS CIR - 256 - 384 KBPS	\$4.54	
23	N.1.13	UPS - UNI/NNI FRS CIR - 384 - 512 KBPS	\$6.05	
24	N.1.14	UPS - UNI/NNI FRS CIR - 512 - 768 KBPS	\$9.08	
25	N.1.15	UPS - UNI/NNI FRS CIR - 768 - 1.536 MBPS	\$18.15	

1	N.1.16	UPS - UNI/NNI FRS CIR - 1.536 - 4 MBPS	\$45.38	
2	N.1.17	UPS - UNI/NNI FRS CIR - 4 - 10 MBPS	\$114.97	
3	N.1.18	UPS - UNI/NNI FRS CIR - 10 - 16 MBPS	\$183.80	
4	N.1.19	UPS - UNI/NNI FRS CIR - 16 - 34 MBPS	\$390.89	
5	N.1.20	UPS - UNI/NNI FRS CIR - 34 - 44.210 MBPS	\$508.28	
6	N.1.21	UPS - UNI/NNI FRS CIR - Feature Change		\$22.19
7	N.1.22	UPS - UNI/NNI FRS CIR - Transfer of Service		\$9.38
8	N.1.199	UPS - UNI/NNI FRS 56 KBPS - Disconnect		\$54.55
9	N.1.299	UPS - UNI/NNI FRS 64 KBPS - Disconnect		\$54.55
10	N.1.399	UPS - UNI/NNI FRS 1.536 MBPS - Disconnect		\$46.81
11	N.1.499	UPS - UNI/NNI FRS 44.210 MBPS - Disconnect		\$57.56
12	N.1.599	UPS - UNI/NNI FRS - DLCI Additional - Disconnect		\$25.08

13

14

15 **Q. PLEASE PROVIDE AN OVERVIEW OF YOUR TESTIMONY.**

16

17 A. In my testimony I describe the underlying cost methodology used in BellSouth's
18 cost study that has been submitted in this proceeding. Attached to this testimony,
19 as Exhibit DDC-1, is BellSouth's cost study in both a paper format and on a CD-
20 ROM. Included in the study are an executive overview, a summary of results,
21 element descriptions, factor development, TELRIC Calculator¹ input and
22 outputs, and investment development work papers. Because the study contains
23 proprietary information, the study is being submitted subject to the terms of a

24

25 ¹ ©1997 BellSouth Corporation. All Rights Reserved.

1 protective order. BellSouth witness, Mr. Al Varner, addresses the rates BellSouth
2 is proposing.

3

4 **Q. IS NOT THE TRA ADDRESSING ISSUES CONCERNING UNBUNDLED**
5 **NETWORK ELEMENT COSTS IN DOCKET NO. 97-01262?**

6

7 A. Yes. The TRA published an Interim Order in Phase I² on January 25, 1999, and on
8 February 24, 1999, BellSouth filed compliant cost studies based on BellSouth's
9 understanding of the TRA's decisions. However, subsequent to release of the
10 Interim Order, several parties, including BellSouth, asked for reconsideration and
11 clarification on a number of issues. Although the TRA addressed these issues at
12 its April 20, 1999 Directors' Conference, a written order has not yet been entered
13 resolving the motions for reconsideration and clarification.

14

15 Furthermore, there are certain network capabilities that are not being addressed by
16 the TRA in Docket 97-01262. Specifically, the parties did not submit cost studies
17 for packet switching capabilities. Thus, it is necessary for the TRA to review cost
18 studies and establish rates for these elements.

19

20 **Q. WHAT TYPES OF COSTS ARE REFLECTED IN BELL SOUTH'S COST**
21 **STUDY?**

22

23 ² In Phase I, the TRA determined the adjustments for each cost model
24 presented. In Phase II, the TRA will determine the prices for interconnection and
25 unbundled network elements based on the cost studies filed in compliance with the
Interim Order.

1

2 A. The cost study reflects both recurring and nonrecurring costs. Recurring costs
3 include both capital and non-capital costs. Capital costs are associated with the
4 purchase of an item of plant, i.e., an investment. They consist of depreciation, cost
5 of money, and income tax. Non-capital recurring costs are expenses associated
6 with the use of an investment. These operating expenses consist of plant-specific
7 expenses, such as maintenance, ad valorem taxes and gross receipts taxes.

8

9 Nonrecurring costs are one-time expenses associated with provisioning, installing
10 and disconnecting the network capability. These costs typically include five major
11 categories of activity: service inquiries, service order, engineering, connect and
12 test, and technician travel time.

13

14 **Q. WHAT COST METHODOLOGY IS USED IN BELL SOUTH'S COST**
15 **STUDY SUBMITTED IN THIS DOCKET?**

16

17 A. The TRA's response to Issue 1 in the Interim Order³ established the cost
18 methodology that should provide the foundation for both the cost models and the
19 inputs. Page 8 of the Interim Order states: "The Authority finds that prices should
20 be established using the forward-looking economic cost methodology as defined
21 by the FCC's TELRIC methodology, including an appropriate markup for the
22 recovery of shared and common costs. This methodology ensures that costs used
23

24

25 ³ Issue 1: What cost methodology should the TRA use in setting
interconnection and Unbundled Network Elements ("UNE") prices?

1 to set prices for UNEs will reflect the inputs, quantities, and prices faced by an
2 efficient firm using the least-cost technology.” In establishing the pricing standard
3 as TELRIC economic cost, the TRA has also determined that the TELRIC
4 economic cost methodology should be followed for developing the costs.
5

6 **Q. IN YOUR OPINION, IS BELL SOUTH’S COST STUDY CONSISTENT**
7 **WITH THE FEDERAL COMMUNICATIONS COMMISSION’S (“FCC’s”)**
8 **COSTING METHODOLOGY?**
9

10 A. Yes. BellSouth’s cost study is consistent with the FCC’s costing methodology as
11 set forth in FCC Rule 51.505 (Forward-looking economic cost) which defines the
12 FCC’s cost methodology for Unbundled Network Elements (“UNEs”). Pursuant to
13 the FCC’s rules, such costs must be developed using an efficient network
14 configuration that uses the existing location of the Incumbent Local Exchange
15 Carrier’s (“ILEC’s”) wire centers. Further, the costs should be developed using a
16 forward-looking cost of capital and economic depreciation rates, and a reasonable
17 allocation of forward-looking common costs is appropriate. The forward-looking
18 economic costs may not include embedded costs, retail costs, opportunity costs or
19 revenues to subsidize other services.
20

21 The recent Supreme Court ruling that resulted in reinstatement of the FCC’s
22 pricing rules does not impact the underlying cost methodology, i.e., TELRIC
23 methodology. The same guidelines are still in place:
24
25

- 1 • Costs should reflect forward-looking, efficient network architecture,
2 engineering and materials and equipment.
- 3 • Costs should be developed individually for each unbundled network
4 element.
- 5 • Costs should be based on the particular materials, equipment, and
6 installation requirements associated with provisioning a specific
7 unbundled network element, to the greatest extent possible.
- 8 • Costs should be complete, reflecting the full costs of installation as
9 well as the inclusion of shared and common costs.
10

11 BellSouth used these FCC guidelines in the cost study filed in this docket.
12

13 **Q. PLEASE PROVIDE SOME BACKGROUND TO DOCKET NO. 97-01262.**
14

15 A. BellSouth filed cost studies to support permanent prices for various network
16 elements that were contained in BellSouth's interconnection agreements or for
17 which the TRA had previously established interim rates. The studies were filed
18 electronically with complete documentation. With these studies, BellSouth
19 introduced a new cost model, the TELRIC Calculator©. The TELRIC
20 Calculator© converts material prices and labor work times to cost. The TRA has
21 not issued a final ruling as to the acceptability of BellSouth's TELRIC
22 Calculator©. Page 7 of the Interim Order states: "The Authority does not choose a
23 cost model in Phase I, but orders adjustments to both BST's TELRIC Calculator
24 and the Hatfield model".
25

1

2 **Q. ARE THE ADJUSTMENTS TO BELL SOUTH'S INPUTS ORDERED BY**
3 **THE TRA INCORPORATED IN THE COST STUDY RESULTS**
4 **PRESENTED IN THIS DOCKET?**

5

6 A. Yes. The TRA-ordered inputs that are relevant to the cost elements in this
7 proceeding are included. For example, the cost study includes the TRA-ordered
8 cost of money, depreciation lives, and shared and common factors.

9

10 **Q. PLEASE ELABORATE ON THE ADJUSTMENTS BELL SOUTH**
11 **INCORPORATED IN THE COST STUDY TO FULFILL THE TRA'S**
12 **INTERIM ORDER IN DOCKET NO. 97-01262.**

13

14 A. I will address each of the adjustments included in this filing and reference the issue
15 and the appropriate discussion from the TRA's Interim Order in Docket No. 97-
16 01262. The cost study attached to this testimony follows the intent of each TRA
17 adjustment. Where appropriate, the inputs have been updated to reflect the study
18 period, 1998-2000.

19

20 First, the TRA adopted ACSI's recommended markup of 15% to account for
21 shared and common costs. (Page 11 of the Interim Order.) This adjustment was
22 "hard coded" into BellSouth's TELRIC Calculator's© Shared and Common cost
23 module included in this filing.

24

25 Second, the TRA mandated that the models use Tennessee-specific depreciation

1 lives, salvage values and other inputs used in calculating the depreciation rates as
2 established by the former Tennessee Public Service Commission in Docket No.
3 92-13527. ⁴ (Page 13 of the Interim Order) The ordered depreciation rates were
4 incorporated into the study included in this docket.

5
6 Third, BellSouth's cost study reflects the following adjustments ordered by the
7 TRA: (1) overall cost of capital of 10.46%; (2) debt ratio of 40%; (3) 7.30% cost
8 of debt; (4) equity ratio of 60%; (5) 12.46% cost of equity. (Page 15 of the Interim
9 Order)

10
11 Fourth, the TRA directed that BellSouth's normalized 1996 plant specific expense
12 should be reduced by 22.5% for calculating network maintenance expense. (Page
13 17 of the Interim Order) However, in the April 20, 1999 Director's Conference, the
14 TRA reconsidered this aspect of the Interim Order and limited the 22.5% reduction
15 to network operations expenses only. (Page 10 of the Transcript) The April 20th
16 adjustment is reflected in this filing.

17
18 Fifth, the TRA adjusted the ad valorem tax to reflect the actual 1998 tax rate of
19 .0116. (Page 17 of the Interim Order) This adjustment was included in this filing.

20
21 Sixth, the TRA concluded that unbundled network elements should be priced in a
22 manner that considers the time value of money by employing monthly
23 compounding in calculating the monthly rate from an annual cost. (Page 18 of the
24

25 ⁴ BellSouth's request for reconsideration on this issue was denied during the
April 20, 1999 Director's conference.

1 Interim Order) In other words, BellSouth was ordered to reflect monthly
2 compounding using the approved overall cost of money of 10.46%. This
3 methodology was reflected in BellSouth's cost study.

4
5 Seventh, the TRA concluded that only direct costs should be recovered through
6 nonrecurring charges. (Page 31 of the Interim Order) Thus, BellSouth has
7 removed shared and common costs from the calculation of nonrecurring costs.
8 Because of this aspect of the Interim Order, BellSouth had to make two computer
9 runs. A run was made using a common cost factor of 15% (which the TRA
10 established in response to Issue 3) to calculate recurring costs. Then another run
11 was made using a common cost factor of zero to calculate nonrecurring costs. Both
12 runs are contained on the CD-ROM, one labeled Recurring (15% common cost
13 factor) and the other Nonrecurring (0% common cost factor).

14
15 Eighth, the TRA determined that disconnect costs should be separated from
16 installation costs and should be assessed at the time of disconnect. (Page 35 of the
17 Interim Order). BellSouth removed disconnect costs from installation costs and
18 calculated the disconnect costs as separate elements.

19
20 **Q. PLEASE SUMMARIZE YOUR TESTIMONY.**

21
22 A. The cost study filed in this proceeding determines Tennessee-specific TELRIC
23 economic costs for packet switching capabilities. The costs were developed using
24 the basic study methodology and approved input values previously outlined by the
25 TRA in its Interim Order in Docket No. 97-01262 and the reconsideration granted

1 at the April 20, 1999 Director's Conference.

2

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

4

5 A. Yes.

6

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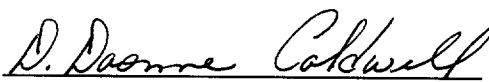
STATE OF GEORGIA)

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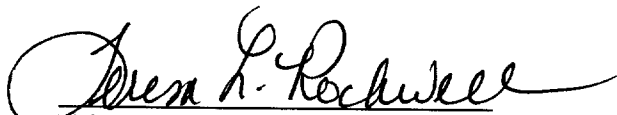
COUNTY OF FULTON)

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for the State and County aforesaid, personally came and appeared D. Daonne Caldwell, Director in the Finance Department for BellSouth Telecommunications, Inc., who, being by me first duly sworn deposed and said that:

She is appearing as a witness before the Tennessee Regulatory Authority in Docket No. 99-00377 on behalf of BellSouth Telecommunications, Inc., and if present before the Authority and duly sworn, her testimony would be set forth in the annexed testimony consisting of 12 pages and 1 exhibit(s).


D. Daonne Caldwell

Sworn to and subscribed
before me this 22nd
day of October, 1999


NOTARY PUBLIC
TERESA L. ROCKWELL
Notary Public, Gwinnett County, Georgia
My Commission Expires October 28, 2001

CERTIFICATE OF SERVICE

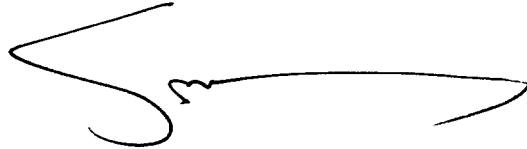
I hereby certify that on October 29, 1999, a copy of the foregoing document was served on the parties of record, via the method indicated:

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Gary Hotvedt, Esquire
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, TN 37243-0500

- ☒ Hand
- ☐ Mail
- ☐ Facsimile
- ☐ Overnight

Henry Walker, Esquire
Boult, Cummings, et al.
414 Union Ave., #1600
P. O. Box 198062
Nashville, TN 37219-8062



BELLSOUTH TELECOMMUNICATIONS, INC.

DOCKET NO. 99-00377

EXHIBIT DDC-1

FILE

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Electronic copies of filing, models, spreadsheets and
instructions (Proprietary and Nonproprietary)

TENNESSEE DOCKET NO 99-00377

SECTION 1

EXECUTIVE SUMMARY

STATEMENT OF PURPOSE

ICG Telecom Group, Inc. filed a Petition for Arbitration with the Tennessee Regulatory Authority (TRA). That petition requested the settlement of rates for some network capabilities for which the TRA has not previously established rates. BellSouth Telecommunications, Inc. (hereinafter referred to as BellSouth or the Company) is filing cost studies for the requested network capabilities.

Included in this document are Total Element Long Run Incremental Cost (TELRIC) studies, including common costs, which comply with the orders and regulations established by the TRA in the Interim Order On Phase 1 Of Proceeding To Establish Prices For Interconnection And Unbundled Network Elements, Docket 97-01262.

In accordance with this Interim Order, Shared factors have been set at 0%. The TRA also adopted a common cost factor of 15% for recurring costs and 0% for nonrecurring costs. Other factors and labor rates have been updated from the values presented in Docket 97-01262 to reflect a 1998 - 2000 study period. Based on the transcript of the Directors Conference dated April 20, 1999 concerning Issue 7, the updated plant specific expenses were not reduced by 22.5%.

BellSouth's TELRIC Calculator© Model, used to produce the studies submitted in this filing, does not have the capability to include more than one common cost factor, that is one for recurring and one for nonrecurring. In order to comply with the TRA requirements to apply a 15% common factor to recurring costs and a 0% factor to nonrecurring costs, BellSouth is including in its electronic filing, a recurring cost version of the model and a separate nonrecurring cost version of the model.

BellSouth TELRIC Calculator
Unbundled Network Cost Elements Summary Report
Tennessee
Base Case - Combined

9/28/99

		<u>Cost Element</u>	<u>Recurring</u>	<u>Non</u> <u>Recurring</u>	<u>First</u>	<u>Additional</u>	<u>Non-Recurring</u> <u>Initial</u>	<u>Subsequent</u>
N.0		UNBUNDLED PACKET SWITCHING						
N.1		UNBUNDLED PACKET SWITCHING FRAME RELAY SERVICE						
N.1.1		UPS - UNI/NNI FRS 56 KBPS	\$22.07	\$130.43				
N.1.2		UPS - UNI/NNI FRS 64 KBPS	\$22.07	\$130.43				
N.1.3		UPS - UNI/NNI FRS 1.536 MBPS	\$70.95	\$149.65				
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N.1.14		UPS - UNI/NNI FRS CIR - 512 - 768 KBPS	\$9.08					
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N.1.16		UPS - UNI/NNI FRS CIR - 1.536 - 4 MBPS	\$45.38					
N.1.17		UPS - UNI/NNI FRS CIR - 4 - 10 MBPS	\$114.97					
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N.1.199		UPS - UNI/NNI FRS 56 KBPS - Disconnect		\$54.55				

BellSouth TELRIC Calculator
Unbundled Network Cost Elements Summary Report
Tennessee
Base Case - Combined

9/28/99	<u>Cost Element</u>	Recurring		Non-Recurring	
		<u>Recurring</u>	<u>First</u>	<u>Additional</u>	<u>Initial</u>
					<u>Subsequent</u>
N.1.299	UPS - UNI/NNI FRS 64 KBPS - Disconnect			\$54.55	
N.1.399	UPS - UNI/NNI FRS 1.536 MBPS - Disconnect			\$46.81	
N.1.499	UPS - UNI/NNI FRS 44.210 MBPS - Disconnect			\$57.56	
N.1.599	UPS - UNI/NNI FRS - DLCI Additional - Disconnect			\$25.08	

TENNESSEE DOCKET NO 99-00377
SECTION 2
STUDY METHODOLOGY

TOTAL ELEMENT LONG RUN INCREMENTAL COST (TELRIC)

The studies submitted with this filing adhere to the Total Element Long Run Incremental Cost (TELRIC) methodology as envisioned by the Federal Communications Commission (FCC). The basic guidelines that form the foundation of a TELRIC study are:

- 1) The studies should reflect a long-run perspective. Long run implies a period long enough that all costs are variable. In other words, this principle assumes all costs are avoidable in the long run.
- 2) Cost causation is a key concept in incremental costing. Thus, only those costs that are directly caused by the particular item being studied are considered. This principle mandates the identification of costs directly attributable to providing a "service" (network capability).
- 3) The increment being studied should be the entire quantity of service. This point recognizes that costs normally thought of as shared in a service-specific study, would be included in a study of a network capability. For example, in a service study, the planning engineer's costs associated with loops would be shared across many product lines, e.g. ESSX, coin, business. In an unbundled network element study, this cost would be directly attributable to the loop element.
- 4) Any function necessary to produce a service must have an associated cost. In essence, this guideline states that no sunk costs should be included.
- 5) Common overheads are not part of a long run incremental cost study. However, the FCC's TELRIC methodology allows for the recovery of "a reasonable allocation of forward-looking common costs". Thus, BellSouth has considered common costs to produce the TELRIC economic cost.
- 6) The technology used should reflect the least cost, most efficient technology.
- 7) Costs should be forward-looking.

There are two generic types of costs that have been studied: recurring and nonrecurring.

RECURRING COSTS

The monthly costs resulting from capital investments deployed to provision network elements are called recurring costs. Recurring costs include capital and

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operating costs. Capital costs include depreciation, cost of money and income tax. Operating costs include the expenses for maintenance, ad valorem and other taxes and represent ongoing costs associated with upkeep of the initial capital investment. Gross receipts tax (which includes municipal license taxes and PSC fees) is added.

The first step in developing recurring TELRIC studies is to determine the forward-looking network architecture that, when deployed, represents the most efficient design to provision the network element. The material prices for the equipment necessary to implement the forward-looking design are gathered. Next, account specific Telephone Plant Indexes (TPIs) are applied, when necessary, to trend material prices to the base study period. Telecommunications equipment and plant placements are typically "lumpy". Thus, utilization (or fill) factors are applied to the material prices to reflect BellSouth's forward-looking actual utilization of the plant. Also, when multiple vendors are used, it is necessary to determine the average material price for a typical element based on the probability of occurrence. Inflation Factors, by plant account code, are then applied to the material prices to trend the base-year material price to levelized amounts that are valid for a three-year planning period. In order to convert the material prices to installed investments account specific inplant loadings are applied to the material prices. The inplant loadings include engineering and installation labor (both BellSouth and vendor), exempt material and sales taxes.

Supporting equipment and power loadings are added, as appropriate to specific investment accounts. Next, supporting structure investments for land, building, poles and conduit are developed. These supporting structure investments are identified by their relationship to the respective item of plant being supported. For example, applying a pole-loading factor against the aerial cable investment develops the pole investment.

1998 - 2000 level Annual Cost Factors are used to calculate the direct cost of capital, plant specific expenses and taxes. Account specific factors for each Uniform System of Accounts – Field Reporting Code (USOA-FRC) are applied to the investment by account code, yielding an annual cost per account code. Account specific shared cost factors are applied to produce forward-looking TELRIC costs. Then the common cost allocation factor and the gross receipts tax factor are applied. The result is the economic cost.

The generic steps for developing recurring cost can be summarized as shown below. The unique technical characteristics and physical makeup of each service cost element must be taken into consideration.

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Step 1: Determine the forward looking network designs (architectures) which will be used in deployment of the network element.

Step 2: Determine current material prices for the items of plant used in each design. Material prices are obtained from BellSouth contracts with various vendors.

Step 3: Apply material Telephone Plant Indexes (TPIs) as appropriate to determine the base year material prices. Material TPIs estimate the changes in material prices over time.

Step 4: Adjust the material prices for utilization to account for spare capacity using a reasonable projection of actual total usage.

Step 5: Weight the material prices, as appropriate, to determine the average material price for a typical element by USOA-FRC, i.e., plant account.

Step 6: Apply material inflation factors, referred to as levelization factors, to the material prices to convert the utilized base year material prices to material prices representative of a three year planning period.

Step 7: Apply inplant loadings to the levelized material prices to convert the material prices to an installed investment, which includes the cost of material, engineering labor and installation labor.

Step 8: Apply support loadings to the investments to determine investments for support equipment and power, land, buildings, poles and conduit as appropriate.

Step 9: Convert the investments by FRC to annual costs by applying account specific TELRIC annual cost factors to the various investments. The annual cost factors calculate the capital costs (depreciation, cost of money, and income tax) and operating expenses (plant specific expense, ad valorem taxes, and other taxes). Add the annual costs for the various FRCs. Next divide by 12 to determine the direct monthly cost.

Step 10: Apply the shared cost (account specific) factors. Then apply the gross receipts tax factor. The result is TELRIC.

Step 11: Apply the common cost allocation factor to determine economic costs.

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NONRECURRING COSTS

Nonrecurring costs are one-time expenses associated with provisioning, installing and disconnecting a network capability. These costs include five major categories of activity: service order inquiry, service order processing, engineering, connect and test, and technician travel time. Examples of the work activities in each of these categories are:

Service Order Inquiry – Verify that facilities are available to provide service

Service Order Processing - Prepare and issue service orders

Engineering - Assign cable and pair; design circuit; order plug-in; perform translations in the switch

Connect and Test - Install circuit; test circuit; disconnect

Technician Travel Time - Travel to the customer's premises

The first step in developing nonrecurring costs is to determine the cost elements associated with the network capability. These cost elements are then described by the individual activities required to provision the cost element. Individuals familiar with the network capability identify which activities are applicable. Subject matter experts identify the amount of time required to perform the task and also determine the probability that the activity will occur. Provisioning costs are developed by multiplying the work time for each work function by the labor rate for the work group performing the function.

Utilizing work functions, work times, and labor rates, disconnect costs are calculated in the same manner as the installation costs.

The generic steps for developing nonrecurring costs are summarized in the following steps:

- Step 1: Determine the cost elements to be developed.
- Step 2: Define the work functions.
- Step 3: Establish work flows.
- Step 4: Determine work times for each work function.
- Step 5: Develop labor costs for each work function (labor rate x work time).
- Step 6: Accumulate work function costs to determine the total nonrecurring costs for each cost element. Add gross receipts tax. The result is TELRIC.
- Step 7: Apply the Common Cost Allocation factor to determine the economic costs.

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The TELRIC Calculator©, a model developed by BellSouth, produces long run incremental cost studies. The model was designed to accept variable inputs that are applied according to a user-controlled matrix. The TELRIC Calculator© was used to produce the TELRIC studies included in this filing. Additionally, this is the same model presented to the TRA in Docket 97-01262.

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DESCRIPTION OF MODELS AND PRICE CALCULATORS

1. TELRIC Calculator©

The TELRIC Calculator© consists of three Microsoft Excel templates. The templates consist of twenty-one sheets each, eight for receiving input data and thirteen for calculations. All templates perform calculations in exactly the same manner and differ only in the number of decimal places displayed. It should be noted that no rounding is done in any of the sheets.

The TELRIC Calculator© User Interface takes information from the default data sources or from the user-modified sources and inputs them into the appropriate template depending on the cost element selected. Investments are entered by Field Reporting Code (FRC), Sub Field Reporting Code (Sub-FRC), and cost element number into the sheet called "Investments". The sub-FRC is used by the TELRIC Calculator© to determine the appropriate application of factors and loadings, which are applied based on a matrix contained in "Factor Matrix". Factors and loadings are placed by FRC on the sheet labeled "Factors". Recurring and nonrecurring work times are placed by function and Job Function Code (JFC) or Payband into the sheets labeled "Recurring Labor" and "Nonrecurring Labor", respectively. Other recurring and nonrecurring expenses are entered by description into the sheet called "Additives". Lastly, direct labor rates are placed by JFC or Payband into the sheet called "Labor Rates".

The inputs then flow automatically through the "calculator" portions of the template. These sheets are labeled TELRIC Recurring Summary, INVEST-VS, INVEST-VI, LBPC-VS, LBPC-VI, FRCTELRIC-VS, FRCTELRIC-VI, RECEXP, TELRIC NRC Summary A, NR-NR, TELRIC NRC Summary B, NR-1A, and NR-IS. The function and detail of these sheets are outlined in the following narrative.

TELRIC Calculator© Recurring Worksheets

Investment Development (Excluding Land, Building, Pole, & Conduit)

Investment development begins in the worksheets INVEST-VS and INVEST-VI, where volume sensitive and volume insensitive investments by FRC and sub-FRC flow from the input sheets. The inflation factors, inplant loadings and supporting equipment and/or power loadings are applied, if applicable. As stated previously, the application of these factors/loadings is driven by a matrix contained within the template. If the factor/loading is not applicable to the FRC and sub-FRC, the investment is multiplied by the default value of one. All calculations are detailed above each cell. These investments flow to the Land, Building, Pole, & Conduit Development sheet and to the Recurring Cost Development sheet.

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Land, Building, Pole, & Conduit Investment Development

Investments from the Investment Development sheets flow into the sheets LBPC-VS and LBPC-VI. These worksheets apply land, building, pole, and conduit loadings to the investments. Land, building, pole, and conduit investments carried from the Investment Development sheets are multiplied by a factor of one. If one or all of these factors do not apply to an FRC, excluding land, building, pole, and conduit FRCs, the factor defaults to zero. The results are then summed and totaled at the top of the sheet and flow to the next sheet. All calculations are detailed above each cell.

Recurring Cost Development

The investments from the Investment Development and the Land, Building, Pole, and Conduit Investment Development sheets are summed to the FRC level and flow into the sheets called FRCTELRIC-VS and FRCTELRIC-VI. These sheets apply depreciation, cost of money (COM), income tax, plant specific, and ad valorem tax factors to the investments. If a factor does not apply, the default is zero. These results are then summed to produce direct cost. All calculations are detailed above each cell. The shared cost factor is applied to the investments to produce shared cost and then added to direct cost to produce TELRIC. The user has the option of designating the type of cost produced, e.g. whether the final cost is billed on a monthly basis or on a per minute of use (MOU) basis. Thus, if the input investments are annual investments, the resulting cost outputs are divided by twelve to produce monthly costs. The results then flow to the summary sheet. The common cost factor is applied on the summary sheet to produce economic cost.

Recurring Labor Expense Development

Recurring labor work times flow to the worksheet called RECEXP. The times are associated with a work function and a JFC or Payband. The associated direct labor rates, and TELRIC labor rates, determined by the JFC or Payband, are applied to the work times to produce both the direct expenses and TELRIC expenses. These expenses flow to the summary sheet. All calculations are detailed above each cell.

Recurring Cost Development

Recurring direct costs from sheets FRCTELRIC-VS and FRCTELRIC-VI, recurring direct expenses from sheet RECEXP, and other expenses from the input sheet "Additives" flow to the sheet called TELRIC Recurring Summary. All costs and expenses are summed to a total cost. This cost is then multiplied by Gross Receipts Tax and Common Cost factors to obtain the volume sensitive

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and volume insensitive recurring costs. These two costs are summed to produce economic costs.

All, some, or none of the previously described recurring cost development sheets will be included with a cost element, depending on their applicability.

TELRIC Calculator© Nonrecurring Worksheets

Nonrecurring Cost Development

Installation and disconnect work times by work function and JFC or Payband flow from the input sheet "Nonrecurring Labor" to the three nonrecurring cost development sheets called NR-NR, NR-1A, and NR-IS. The three sheets exist to accommodate different types of nonrecurring charge structures. The sheet NR-NR develops cost for a single nonrecurring charge, the sheet NR-1A develops cost for charges which are first and additional, and the sheet NR-IS develops cost for charges which are initial and subsequent. Only one of these three sheets is populated with actual work times for a cost element; the other sheets receive work time values of zero. The cost development methodology is the same for all three sheets.

The TELRIC Calculator© User Interface calculates the disconnect factor and places this factor into the "Factors" input sheet which causes it to flow to the three nonrecurring cost development sheets. Disconnect factors are used to develop the present value of a labor cost that will take place in the future. The interface develops this factor by first locating the factor associated with the study midpoint date in the working database. The end-point date is then determined by adding the cost element life, in months, to the midpoint date. The factor associated with this date is then divided by the midpoint factor. If there is no cost element life indicated (i.e., value equals zero), the disconnect factor is one. If the disconnect cost is to be collected at the time of disconnect, a future value is calculated. Disconnect cost is not converted to a present value.

To develop the direct cost, the appropriate direct labor rate for the JFC or Payband is applied to the installation and disconnect work times for each function to produce the install cost and the disconnect cost. The costs then flow to the appropriate summary sheet. All calculations are detailed above each cell.

To develop the TELRIC cost, the appropriate TELRIC labor rate for the JFC or Payband is applied to the installation and disconnect work times for each function to produce the install TELRIC and the disconnect TELRIC. The steps are then the same as those for developing the direct cost.

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Nonrecurring Cost Development

Nonrecurring direct costs from sheets NR-NR, NR-1A, NR-IS, and other expenses from the input sheet "Additives" flow to the sheets called "TELRIC NRC Summary A" and "TELRIC NRC Summary B". The first sheet summarizes a single nonrecurring cost; the second sheet summarizes first and additional costs or initial and subsequent costs. Costs and expenses are summed to a total cost. This cost is then multiplied by Gross Receipts Tax and Common Cost factors to produce the Nonrecurring economic costs.

Depending on the structure of the nonrecurring cost, only two of the cost development sheets will be included with a cost element. The sheets NR-NR and TELRIC NRC Summary A will be included with the single cost structure. The sheets NR-1A and TELRIC NRC Summary B will be included with the first and additional cost structure. The sheets NR-IS and TELRIC NRC Summary B will be included with the initial and subsequent cost structure. The previously described nonrecurring cost development sheets will not be included with a cost element for which nonrecurring costs are not applicable.

2. Capital Cost Calculator

The Capital Cost Calculator is a Visual Basic model designed by BellSouth. It was developed to provide a process that is open, understandable and easily verifiable. The calculator output determines annual capital cost factors by FRC. The calculator produces depreciation, cost of money and income tax factors which are applied to investments to calculate the capital costs. See Section 4, Annual Cost Factors, for discussion of depreciation, cost of money and income tax factors.

The Capital Cost Calculator provides the user with the ability to use and modify a set of input variables. The input variables are: debt ratio, cost of money, debt interest rate, corporate income tax rate, net salvage ratio and economic life of assets. The calculator is designed with on-screen instructions and options which allow the user to view or modify the input section and view or print the calculations. Calculations are automatic when input variables are modified. Explanatory notes are included in each column heading and footnotes are included at the bottom of the calculations.

The overall cost of capital used in these studies was established by the TRA in Docket No. 97-01262.

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The approved capital structure is:

Percent equity	60.0%
Percent debt	40.0%
Cost of debt	7.3%
Cost of equity	12.46%
Overall Cost of Money	10.46%

BellSouth was also ordered to reflect monthly compounding using the approved overall cost of money. The Calculator is not designed to produce a monthly compounding so a rate was calculated which when divided by 12 is equivalent to a nominal monthly compounding rate. The nominal rate was calculated as follows:

	<u>Annual</u>	<u>Monthly</u>
Overall cost of money	10.46%	9.93%
Cost of debt	7.30%	7.07%

Formula: monthly rate = $(1+.1046)^{(1/12)}-1 = 0.008279$
 Annual rate = $.008279 * 12 = .993$

ILLUSTRATIVE CAPITAL COST CALCULATIONS:

The following is an illustrative calculation of capital costs, the inputs, and resulting capital cost factors:

**CAPITAL COST ILLUSTRATIVE CALCULATION - UNDERGROUND CABLE
 METALLIC 5C**

Inputs:

r = Debt Ratio = .40	i = Composite Cost of Money = .1125
i _d = Debt Interest Rate = .0650	n = Periods = 12
t = Composite Income Taxes = .3857	Net Salvage = -.08
Economic Life = 12 Years	

1) Calculate Annuity of a Present Amount (A/P):

$$A/P = \frac{i(1+i)^n}{(1+i)^n - 1}$$

$$A/P = \frac{.1125(1+.1125)^{12}}{(1+.1125)^{12} - 1}$$

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A/P = .1558662) Calculate Present Worth of Net Salvage (S_{pw}):

$$S_{pw} = \frac{\text{Net Salvage}}{(1+i)^n}$$

$$S_{pw} = \frac{-.08}{(1+.1125)^{12}}$$

$$S_{pw} = -.022258$$

3) Calculate PHI factor:

$$\Phi = \frac{t}{1-t} \times \left(1 - \frac{r(i_d)}{i}\right)$$

$$\Phi = \frac{.3857}{1 - .3857} \times \left(1 - \frac{.40(.0650)}{.1125}\right)$$

$$\Phi = .482762$$

4) Calculate Depreciation Expense Factor:

Depreciation Expense Factor = (1 - Net Salvage)/Economic Life

Depreciation Expense Factor = (1 - (-.08))/12

Depreciation Expense Factor = .090000

5) Calculate Cost of Money Factor:

Cost of Money Factor = Annuity of a Present Amount X (1 - S_{pw}) - Depreciation
Exp Factor

Cost of Money Factor = .155866 X (1 - (-.022258)) - .090000

Cost of Money Factor = .069335

6) Calculate Income Tax Factor:

Income Tax Factor = Cost of Money Factor X PHI Factor

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Income Tax Factor = $.069335 \times .482762$

Income Tax Factor = .033472

7) Summary of Capital Cost Factors:

Depreciation Expense Factor	.090000
Cost of Money Factor	.069335
Income Tax Factor	<u>.033472</u>
Total Capital Cost Factors	.192807

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BELLSOUTH REGION TELEPHONE PLANT INDEXES

The BellSouth Region Telephone Plant Indexes (TPIs) are used in cost studies to estimate the change in the material price and/or installed investment from one year to a future year. The TPIs are price indexes that measure the relative changes in the prices BellSouth pays for the construction of telephone plant between specific periods of time. A TPI is an average of prices, or of price relatives at specific points or periods of time, constructed for a specific purpose. It should also be noted that TPI forecasts are forecasts of price changes of equipment that is being installed. They are not intended to be forecasts of technology changes or productivity improvements.

Joel Popkin and Company, as BellSouth consultants, assists BellSouth's Network Department with the development of the TPIs. In general, the methodology uses econometric techniques to establish a mathematical relationship between the historical movement in each of the labor and materials components that make up the TPIs and the historical movement in the explanatory variables. The explanatory variables are usually aggregate measures of the U.S. economy, such as price deflators from the national income and product accounts, the U.S. union wage rate, copper prices and other macroeconomic variables. What these economic techniques provide is a systematic, quantifiable statement of what has happened in the past. Use of those relationships implicitly makes the assumption that history will more or less repeat itself. It is important to re-estimate the relationships as new index values are added each year.

A summary of Labor TPIs and TPIs by account is included in Appendix A.

INVESTMENT INFLATION FACTORS

Over the life of an investment, inflation causes fluctuations in the forward-looking investment amount. The investment amount should be levelized over the time period in which the study results will be used (i.e., over the planning period). Investment inflation factors by account are used to trend plant investment in base year dollars to a levelized amount that is valid for a specific planning period of either two or three years as appropriate. The investment inflation factors are the cumulative average of the years' projected inflation rates from the BellSouth Region TPIs. When the base year investment amount is multiplied by the investment inflation loading, the result is a forward-looking investment that is representative for the appropriate planning period.

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A worksheet showing the development of the levelized Investment Inflation Factors used in these studies is included in Appendix A.

INPLANT LOADINGS

The InPlant Loading adds engineering and installation labor and miscellaneous equipment to the material price and/or vendor installed price; that is, the InPlant Loading converts the material price to an installed investment. The installed investment is the dollar amount that is recorded in the capital accounts. InPlant loadings are account specific and are developed for each of the nine states. There are two types of inplant loadings used in these studies: 1) Material Loading and 2) Telco Loading. The Material Loading is applied to a material price and the Telco Loading to the vendor-installed investment. The data sources are the 1997 State and Local Sales Taxes and the Resource Tracking Analysis and Planning (RTAP) System.

A summary of the InPlant Loadings used in these studies and worksheets showing their development are included in Appendix A.

SUPPORTING EQUIPMENT AND POWER LOADINGS

Supporting Equipment and Power Loadings are used to calculate the incremental investment associated with such items as power equipment, ladders, tools, and test sets required to support an additional dollar of central office (CO) investment. When the central-office investment is multiplied by the Supporting Equipment and Power Loadings, the result reflects an investment loaded for support and power equipment.

The Supporting Equipment and Power Loadings are developed from investment data obtained from a 1997 Central Office Monthly Allocation Process (COMAP) extract for power. The COMAP extract identifies two types of supporting investment: 1) equipment that supports an entire central office (9C0); and 2) equipment that supports only a particular field reporting code (FRC) but supports all items of that FRC within that central office (9D0). 9C0 equipment includes the following: all types of power equipment used to provide current for central office equipment; distributing frames that are used to distribute circuits to more than one type of COE (typically the first frames that a cable is connected to when it leaves the cable vault and enters the CO); miscellaneous capitalized equipment that cannot be directly associated with COE in a single FRC (i.e., ladders and some types of aisle lighting); and capitalized tools and test sets that can be used

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for several types of COE (e.g., an oscilloscope can be used to test any COE equipment that uses alternating current). 9D0 equipment includes the following: dedicated distributing frames used to supply circuit connections to only one type of COE (e.g., specialized distributing frames used to connect to circuit testing, alarm, and conditioning equipment); specialized tools and test sets (i.e., tools and test sets that have been specially designed by the manufacturer to perform tests on a very narrow range of COE).

A summary worksheet showing the development of Supporting Equipment and Power Loadings is included in Appendix A.

LAND AND BUILDING LOADINGS

Land and Building Loadings are translators used to determine the amount of investment in land and building associated with the central office and computer investment in each cost study. When an investment is multiplied by the land and building loadings, the result reflects the amount of land and building investment associated with the original investment.

The land loading for central office equipment is developed by comparing the investments in land that are associated with central office equipment and the investments in that central office equipment. A ratio is then developed that allows each dollar of central office investment to include a fraction of the land investment. The building loading is developed by comparing the investments in buildings that house central office equipment for the provision of service and the investments in that central office equipment. A ratio is then developed that allows each dollar of central office investment to include a fraction of the building investment. The Land and Building Loadings for computers use the same methodology.

The regulated investment dollars used in developing these factors are taken from the Investment Over Accumulated Depreciation for June and December, 1997. The projected view of 1998 through 2000 received from Network is based on plant additions, less retirements, and is added to the 1997 cumulative historical year. The investments are averaged to get to midyear (MDY) amounts. Current Cost Factors are applied to 1997 MDY only. Averaged projected net additions for 1998 through 2000 are added to represent the current forward looking period. The investments for the three years are then summed and divided by three to obtain the average investment.

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The 1998 through 2000 land and building average projected investments are multiplied by the percent of land and building associated with central office equipment, and each is respectively divided by the average total central office equipment to derive the loadings. The Land and Building Loadings for computers are similarly calculated.

Worksheets showing the development of Land and Building Loadings used in these cost studies are included in Appendix A.

ANNUAL COST FACTORS

GENERAL

Annual cost factors are translators used to determine the amount of recurring cost for one year associated with acquiring and using a particular piece of investment. Annual cost factors were developed for each category of plant investment (i.e. by FRC). When the dollar amount for an investment at the FRC-level is multiplied by the corresponding annual cost factor for that FRC, the product reflects the annual recurring cost incurred by the company for that investment. There are basically two types of cost associated with investment: capital related costs and operating related costs.

The initial purchase price of plant equipment and any installation costs are paid with a combination of investor-supplied funds and retained earnings. The investors who provide the "loan" may be either bondholders or stockholders. The plant placed must be able to generate enough revenues to cover capital costs associated with its placement and usage. Capital related costs consist of three major categories: depreciation, cost of money, and income tax. The capital related cost factors are developed using the Capital Cost Calculator that uses various financial data and plant investment characteristics to compute the annual capital costs by category of plant.

Plant investments must also be maintained to provide for continuing operations. Ordinary repairs and maintenance, as well as rearrangements and changes, are necessary costs for all categories of plant (except land) in order to provide proper service. These maintenance costs, as well as ad valorem taxes and other taxes must be covered by the revenues received from the use of the asset. The operating related cost factors are developed using various spreadsheets, which basically compute the annual operating related costs by category of plant, and divide that amount by the investment in that category of plant.

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CAPITAL RELATED COSTS

DEPRECIATION - the allocation of the initial plant investment over the number of years of service provided by the plant. Depreciation is determined by the total investment, less net salvage, divided by the estimated life of the investment. Depreciation lives and salvage values used in this filing were established by the TRA in it's Order in Docket 97-01262.

COST OF MONEY - the annual cost to the firm of the debt and equity on capital invested in the business. This annual cost is determined in the financial market as it represents the investors' expected return on their investment.

INCOME TAX - the composite of income taxes paid to the Federal and South Carolina State governments based on the taxable net income of the company.

OPERATING RELATED COSTS

PLANT SPECIFIC EXPENSE - the expense required to keep existing telephone plant, circuits, and service up to standards, as well as rents paid for facilities. This includes trouble clearing, rearrangements, and replacing defective elements.

AD VALOREM AND OTHER TAX - tax levied by city and county governments based on the assessed value of property. This includes property taxes, capital stock taxes, and other taxes.

FACTOR DEVELOPMENT - CAPITAL COST

Depreciation is the allocation of the initial plant investment over the years of service provided by the plant. The straight-line method requires that the difference between gross investment and net salvage be spread ratably over the life of the plant. The straight-line depreciation expense rate is calculated as follows:

$$\frac{\text{Initial Investment} - (\text{Gross Salvage} - \text{Cost of Removal})}{\text{Life of Investment}}$$

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Cost of money is the amount of money that must be paid to investors for the use of investor supplied funds. This amount to be paid investors is the annual cost to the company of the debt and equity capital invested in the company. Cost of money is determined in part by the financial market and, as it represents the investors' expected return on their investment, and may differ considerably from the actual earnings a company generates. The overall cost of money rate provided by BellSouth Treasury depends on the cost of equity financing, the cost of debt financing, and the debt to equity ratio of the capital structure of the company.

Income tax expense reflects the federal and South Carolina state taxes levied on "taxable income." For income tax purposes, gross income and deductible expenses are defined by laws and codes. The income tax factor is developed using the PHI factor. The PHI factor assumes that tax depreciation equals book depreciation (i.e., no depreciation-related tax timing differences), but dividends paid to stockholders are not tax deductions (nor are they accounting expenses). Interest paid to bondholders is a booked expense and deductible for income tax purposes. A company must pay income taxes on the equity portion of return, but the debt portion is tax-exempt. The PHI factor is calculated as follows:

$$\Phi = \frac{\text{Composite Income Tax Rate}}{1 - \text{Composite Income Tax Rate}} \times \left(1 - \frac{\text{Debt Ratio} \times \text{Debt Rate}}{\text{Cost of Money Rate}} \right)$$

The Capital Cost Calculator Model is described in Section 3 and the calculations are included in Appendix A.

FACTOR DEVELOPMENT - OPERATING RELATED

PLANT SPECIFIC EXPENSE

The plant specific expense factor, which includes the cost of material used and direct labor, is a ratio developed to reflect the expenses for plant category by the respective investment. The factor also includes maintenance-type expenses for existing plant that cannot be directly assigned to a given plant category, such as transmission power, when applicable. Certain amounts have been excluded from the appropriate categories of plant, specifically: subsequent Right-To-Use (RTU) fees and service order activity-related expense. These costs are excluded because: 1) they should be separately identified for each service, or 2) they should be included in nonrecurring cost studies. The maintenance

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expenses used in calculating the Plant Specific Expense Factors include those associated with the following types of operations:

- (a) Inspecting and reporting on the condition of plant investment to determine the need for repairs, replacements, rearrangements and changes
- (b) Performing routine work to prevent trouble
- (c) Replacing items of plant other than retirement units
- (d) Rearranging and changing the location of plant not retired
- (e) Repairing material for reuse
- (f) Restoring the condition of plant damaged by storms, floods, fire and other casualties (other than the cost of replacing retirement units)
- (g) Inspecting after repairs have been made
- (h) Only salaries, wages and expense associated with plant craft and work reporting engineers, as well as their immediate supervision and office support.

The plant specific expense factors are developed in personal computer spreadsheets. The factors are based on three years of projected expense and investment data. The 1997 expenses used in the study were pulled from the Cost Separations System (CSS). Rent expense is excluded from building expense; net rent (rent revenue less rent expense) is included in pole and conduit expenses. Projected view data was obtained from the Finance Budget Group for the expenses for 1998 through 2000 and spread based on actual expenses. Right-To-Use and service order-related expenses were excluded from the study because such expenses are recovered in a direct manner rather than through the use of a factor. The 1998 through 2000 projected expense amounts are averaged to represent the projected annual expense.

The investment dollars are 1997 actuals and projected 1998 through 2000 from Network. The 1997 dollars were taken from the Investment Over Accumulated Depreciation Report for mid-year and end-of-year and adjusted by applying a current cost to book cost ratio. The projected investments are based on plant additions less retirements. The projected net additions for each year are added to 1997 adjusted investment to determine the total projected investment. The projected investments for 1998 - 2000 are then summed and divided by three to

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INPUTS - LOADINGS AND FACTORS

obtain the average annual investment. Expenses are then divided by the investments, resulting in the unloaded plant specific expense factors. Power expense loadings are then added to the factors for central office equipment investment. These plant specific expense factor calculations result in a factor for each category of plant representative of the average expense per investment expected in the future for each plant category.

Worksheets showing the development of the Plant Specific Expense Factors used in these studies are included in Appendix A.

AD VALOREM AND OTHER TAXES

The TRA adopted the 1998 ad valorem tax rate of 1.16% for use in BellSouth's TELRIC Calculator.

GROSS RECEIPTS TAX FACTOR

Some states and municipalities tax the revenues that a company receives from services provided within the state/municipality. The taxes may be designed to fund such things as PSC fees, franchise taxes, license taxes, or other similar items, but because the taxes are levied on the basis of revenues, they are commonly referred to as a gross receipts tax. Unlike some taxes that are billed to the customer and flowed through to the taxing authority, a gross receipts tax is a cost of doing business to BellSouth.

The BellSouth Tax Department provides the effective tax rate at which BellSouth is charged by the taxing authority and that rate is "grossed up" to reflect the following formula:

$$\frac{\text{GROSS RECEIPTS TAX RATE}}{(1 - \text{GROSS RECEIPTS TAX RATE})}$$

A summary of ad valorem and other tax and gross receipts tax factors used in these studies is included in Appendix A.

LABOR RATES

Labor rates for specific work groups are developed annually based on extracts of previous year's data from the Financial Processor. This extract collects labor

TENNESSEE DOCKET NO 99-00377
SECTION 4
INPUTS - LOADINGS AND FACTORS

expense and hours and a PC application processes the information to produce labor rates. During processing, the actual costs for a given work group are accumulated by expenditure type (e.g., direct labor productive, premium, other employee, etc.). These actual costs are divided by the actual hours (classified productive hours for plant and engineering work groups and total productive hours for cost groups) reported by work group to determine the basic rates. A factor from the BellSouth Region TPIs is applied to inflate these rates to the study period 1998 - 2000.

LABOR RATE COMPONENTS:

The following are various cost components that make up labor rates:

DIRECT SALARIES AND WAGES

1. **Direct Labor - Productive (EXPENDITURE TYPE CODE (EXTC) KP1**
Identifies the cost of the actual straight time wages paid to occupational work reporting employees during the month for regularly scheduled time and overtime spent performing productive work. Also includes the costs of salaries paid to management employees when performing productive work. Classified and unclassified productive hours are used as the basis for Direct Labor Costs.
2. **Direct Labor - Premium (EXTC KP2)**
Identifies the cost of the actual wages paid to occupational work reporting employees during the month for premium hours.
3. **Direct Labor - Other Employee (EXTC KP3)**
Identifies the cost of the actual wages and salaries paid to occupational work reporting employees during the month for allowances and special differentials, merit awards, wage adjustments, team incentive awards, pay in lieu of vacation, etc.
4. **Direct Labor - Annualized Holidays, Vacations and Excused Days (EXTC KP5)**
Identifies the cost of a monthly prorata share of payments to be made over the year to occupational work reporting employees for accrued costs of holidays, vacations, and excused days.
5. **Direct Administration (EXTC KP6)**
Identifies the costs of salaries paid during the month to the first level of supervision responsible for supervising occupational work reporting

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INPUTS - LOADINGS AND FACTORS

employees, and salaries and wages paid to employees and immediate supervisors who perform basic office services for occupational work reporting employees. Also included are the wages paid to occupational work reporting employees loaned to perform supervisory or clerical functions.

6. Plant Other Work Equipment - Salaries and Wages (EXTC CQR)
Identifies the salary and wage portion of the costs associated with other work equipment used by Facilities and Network Services employees (4XX0-9).
7. Plant Motor Vehicle - Salary and Wage Distribution (EXTC CQM)
Identifies the salary and wage portion of the plant motor vehicle expenses for construction, removal or plant specific operations expense accounts based on the classified productive hours of the labor groups using the motor vehicles.

OTHER DIRECT

1. Direct Labor - Other Costs (EXTC KP4)
Identifies the costs incurred during the month for office, traveling and other costs of Facilities and Network Services employees whose wage and salary costs are direct labor or direct administration.
2. Direct Other Costs - Bellcore Billing (EXTC KP8)
Identifies the costs incurred during the month for Bellcore billing costs of Facilities and Network Services employees whose wage and salary costs are direct labor or direct administration.
3. Plant Other Work Equipment - Benefits (EXTC CQS)
Identifies the benefit costs associated with other work equipment used by Facilities and Network Services employees (4XX0-9).
4. Plant Other Work Equipment - Rents (EXTC CQK)
Identifies the rent costs associated with other work equipment used by Facilities and Network Services employees (4XX0-9).
5. Plant Other Work Equipment - Other Expenses (EXTC CQL)
Identifies the other expense costs associated with other work equipment used by Facilities and Network Services employees (4XX0-9).
6. Plant Motor Vehicle - Benefit Distribution (EXTC CQN)

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INPUTS - LOADINGS AND FACTORS

Identifies the benefit portion of the plant motor vehicle expenses for construction, removal or plant specific operations expense accounts based on the classified productive hours of the labor groups using the motor vehicles.

7. Plant Motor Vehicle - Rent Distribution (EXTC CQP)
Identifies the rent portion of the plant motor vehicle expenses for construction, removal or plant specific operation expense accounts based on the classified productive hours of the labor groups using the motor vehicle.
8. Plant Motor Vehicle - Other Costs Distribution (EXTC CQQ)
Identifies the other cost portion of the plant motor vehicle expenses for construction, removal or plant specific operations expense accounts based on the classified productive hours of the labor groups using the motor vehicle.
9. Benefits (EXTC KPL)
Identifies the costs of the payroll-related benefits and taxes for active Facilities and Network Services employees. These costs include pension accruals; company matching portion of savings plan; dental, medical, and group insurance plan reimbursements; and company portion of social security and unemployment payroll taxes.

TOTAL PRODUCTIVE HOURS

1. Classified Productive Hours
Hours of work reporting employees which are reported to final accounting classifications.
2. Unclassified Productive Hours
The working hours of plant work reporters devoted to activities of such a general nature as to not be assignable to specific accounting classifications. Unclassified activities include: attending conferences or meetings (including travel time) which are general in nature; attending first aid classes or safety meetings; paid time spent on union activities; paid time spent on quality of work life activities; time spent in a classroom (including travel time) for general or job specific training; and other unclassified activities such as attending assessment centers. This time will be work reported to special purpose function codes (SPFCs).

Labor Rate worksheets are included in Appendix A.

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INPUTS - LOADINGS AND FACTORS

SHARED AND COMMON COST ALLOCATION FACTORS

The Shared and Common Cost factors used in this filing were established by the TRA in Docket No. 97-01262.

TENNESSEE DOCKET NO 99-00377
SECTION 5
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

INTRODUCTION

This section contains a description of cost elements and an overview of the study process. Additionally, inputs and work papers for each cost element are provided.

The study included in this filing is based on a three-(3) year study period (1998 - 2000). All long run costs associated with providing the network capabilities are identified and included in the cost studies.

The following pages contain a list of the unbundled network cost elements provided in this filing package and a narrative describing the elements, study technique, and specific study assumptions. After the narrative are the TELRIC Calculator© outputs. Following the TELRIC Calculator© outputs, are Microsoft Excel spreadsheets containing the inputs and associated work papers.

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SECTION 5
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

- N.0 UNBUNDLED PACKET SWITCHING**
- N.1 UNBUNDLED PACKET SWITCHING FRAME RELAY**
- N.1.1 UPS – UNI/NNI FRS 56 KBPS**
- N.1.2 UPS – UNI/NNI FRS 64 KBPS**
- N.1.3 UPS – UNI/NNI FRS 1.536 MBPS**
- N.1.4 UPS – UNI/NNI FRS 44.210 MBPS**
- N.1.5 UPS – UNI/NNI FRS – DLCI ADDITIONAL**
- N.1.6 UPS – UNI/NNI FRS CIR – 0 BPS**
- N.1.7 UPS – UNI/NNI FRS CIR – 1-32 KBPS**
- N.1.8 UPS – UNI/NNI FRS CIR – 32-56 KBPS**
- N.1.9 UPS – UNI/NNI FRS CIR – 56-64 KBPS**
- N.1.10 UPS – UNI/NNI FRS CIR – 64-128 KBPS**
- N.1.11 UPS – UNI/NNI FRS CIR – 128-256 KBPS**
- N.1.12 UPS – UNI/NNI FRS CIR – 256-384 KBPS**
- N.1.13 UPS – UNI/NNI FRS CIR – 384-512 KBPS**
- N.1.14 UPS – UNI/NNI FRS CIR – 512-768 KBPS**
- N.1.15 UPS – UNI/NNI FRS CIR – 768-1.536 MBPS**
- N.1.16 UPS – UNI/NNI FRS CIR – 1.536-4 MBPS**
- N.1.17 UPS – UNI/NNI FRS CIR – 4-10 MBPS**
- N.1.18 UPS – UNI/NNI FRS CIR – 10-16 MBPS**
- N.1.19 UPS – UNI/NNI FRS CIR – 16-34 MBPS**
- N.1.20 UPS – UNI/NNI FRS CIR – 34-44.210 MBPS**
- N.1.21 UPS – UNI/NNI FRS – FEATURE CHANGE**
- N.1.22 UPS – UNI/NNI FRS - TRANSFER OF SERVICE**
- N.1.199 UPS – UNI/NNI FRS 56 KBPS - DISCONNECT**
- N.1.299 UPS – UNI/NNI FRS 64 KBPS - DISCONNECT**
- N.1.399 UPS – UNI/NNI FRS 1.536 MBPS - DISCONNECT**
- N.1.499 UPS – UNI/NNI FRS 44.210 MBPS - DISCONNECT**
- N.1.599 UPS – UNI/NNI FRS – DLCI - DISCONNECT**

Element Description

In general, Frame Relay is a connection-oriented packet mode technology based on X.25 standards. With Frame Relay, data is taken from the end-device terminal, packaged into variable length frames, and transported through the network on predefined logical channels. Frame Relay currently offers one version, Permanent Virtual Circuits (PVC) that allows the user to set-up a series of point-to-point virtual circuits through the network.

One of the basic components of Unbundled Packet Switching for Frame Relay is the user network interface, or port, that provides the end user (the ALEC)

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SECTION 5
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

connection to the Fast Packet switched network. These ports are available at line rates of 56Kbps, 64Kbps, 1.536Mbps, and 44.210Mbps. Elements N.1.1 through N.1.4 correspond to these various port speeds.

Data Link Connection Identifier (DLCI) (element number N.1.5) provides an address by which Frame Relay data links can be identified and mapped together to provide an end-to-end permanent virtual circuit.

Committed Information Rate (CIR) is a feature that allows the ALEC to select a sustained throughput under normal conditions. CIR is offered at various rates as reflected in elements N.1.6 through N.1.20.

A Feature Change Charge (element N.1.21) applies whenever a change is made (at the ALEC's request) to a single optional feature within a single network configuration on a single switch.

Service may be transferred to a new customer at the same location upon prior written concurrence by the new customer. This does not constitute a disconnect of service or a discontinuance of an existing arrangement. (Element N.1.22)

Elements N.1.199 through N.1.599 contain the disconnect costs.

Study Technique

Microsoft Excel spreadsheets were used to develop the UNE material prices and/or investments for these UNEs. To develop recurring costs, each element was analyzed to determine the required components, the utilization levels, and the appropriate quantities. These items were used to develop the utilized unit material prices. To develop nonrecurring costs, network personnel familiar with the provisioning of the elements, provided time estimates by job function code.

Specific Study Assumptions

Costs of the card are allocated between the port and the CIR (80%/20%).

The right-to-use fees (RTU) are developed on a per port basis and are amortized over five years.

Recurring Cost Summary

Tennessee
N.1.1 - UPS - UN/NNI FRS 56 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
9/28/99						
Recurring Cost Devel. Sheets Cols L, N, & O	\$17.9563	\$0.0000	\$17.9563			\$0.0000
<u>Other Expenses.</u>						
Software Cost per Port per Month	\$1.1739	\$0.0000	\$1.1739	\$0.0000	\$0.0000	\$0.0000
Total Monthly Cost	\$19.1302	\$0.0000	\$19.1302	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			1.0032			1.0032
Cost (including Gross Receipts Tax)			\$19.1919			\$0.0000
Common Cost Factor			1.1500			1.1500
Monthly Economic Cost			\$22.0707			\$0.0000

Total Monthly Economic Cost : \$22.0707

000028

**Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive**

**Tennessee
N.1.1 - UPS - UNI/INI FRS 56 KBPS**

9/28/99	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F	G=ExF
				In-Plant Factors (Default = 1)						Supporting Equipment &/or Power Loading	Total Investment
	Sub FRG	Material	Inflation Factor	Adjusted Material	Plug-in Inventory Factor	Mat'l Factor	Telco Factor	Plug-in Factor	Hardware Factor	In-Plant Investment	
Digital Elec Switch - C.O. Hardwired - SE&P	377C 07	\$5,0142	0.9833	\$4,9303	1.0000	1.0000	1.0000	1.0000	2.5066	\$12,3583	\$13,7276
Digital Elec Switch - C.O. Com. Plug-in - SE&P	377C 08	\$105,6100	0.9833	\$103,8428	1.0000	1.0000	1.0000	1.0666	1.0000	\$110,7588	\$123,0308
Digital Elec Switch - C.O. Combined - SE&P	377C 09	\$24,0023	0.9833	\$23,6006	1.0000	1.3138	1.0000	1.0000	1.0000	\$31,0065	\$34,4420
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	377C 10	\$176,9591	0.9833	\$173,9981	1.0606	1.0000	1.0000	1.0666	1.0000	\$196,8329	\$218,6420
Digital Circ - Other - C.O. - Hardwired - MCEP	357C 03	\$85,0577	0.9635	\$81,9559	1.0000	1.0000	1.0000	1.0000	3.2421	\$265,7123	\$278,0945
Digital Circ - Other - C.O. - Com. Plug-in - MCEP	357C 06	\$33,9168	0.9635	\$32,6800	1.0000	1.0000	1.0000	1.0656	1.0000	\$34,8233	\$36,4461
Digital Circ - Other - C.O. - Def. Plug-in - MCEP With Sp. Stock	357C 09	\$88,6153	0.9635	\$85,3838	1.0606	1.0000	1.0000	1.0656	1.0000	\$96,4975	\$100,9943
Digital Circ - Other - C.O. - Combined - MCEP	357C 15	\$86,1275	0.9635	\$82,9867	1.0000	1.2639	1.0000	1.0000	1.0000	\$104,8869	\$109,7746
Aerial Ca - Fiber	822C 00	\$0,5569	0.9849	\$0,5485	1.0000	2.3861	1.0000	1.0000	1.0000	\$1,3088	\$1,3088
Buried Ca - Fiber	845C 00	\$0,1737	1.0100	\$0,1754	1.0000	4.7539	1.0000	1.0000	1.0000	\$0,8341	\$0,8341
Underground Ca - Fiber	85C 00	\$0,4943	0.9700	\$0,4795	1.0000	2.1263	1.0000	1.0000	1.0000	\$1,0196	\$1,0196

000029

Tennessee
N.1.1 - UPS - UNI/NNI FRS 56 KBPS

000030

**Recurring Cost Development
Volume Sensitive**

**Tennessee
N.1.1 - UPS - UN/NNI FRS 56 KBPS**

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxD)	J	K=(AxD)	L=(C+E+G+ I+K)	M	N=(A+M)	O=(L+N)
	ERC	Investment	Depreciation Factor	Depreciation	Cost of Money Factor	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE	20C	\$5,216.4	0.0000	\$0.0000	0.0000	0.0449	\$0.2341	0.0000	\$0.0000	0.0116	\$0.0607	\$0.8128	0.0000	\$0.0000	\$0.8128
Buildings - COE	10C	\$118,512.2	0.0210	\$2,728.5	0.0780	0.0152	\$4,176.5	0.0696	\$8,248.7	0.0116	\$1,379.8	\$25,775.5	0.0000	\$0.0000	\$25,775.5
Digital Elec Switch	377C	\$389,842.5	0.0565	\$22,014.6	0.0667	0.0301	\$11,743.8	0.0367	\$14,313.5	0.0116	\$4,538.9	\$78,598.1	0.0000	\$0.0000	\$78,598.1
Digital Circ - Other	357C	\$525,309.5	0.0909	\$47,755.4	0.0626	0.0283	\$14,850.7	0.0153	\$8,039.3	0.0116	\$6,116.2	\$109,624.1	0.0000	\$0.0000	\$109,624.1
Poles	1C	\$0.3118	0.0400	\$0.0125	0.0639	0.0289	\$0.0090	0.0330	\$0.0103	0.0116	\$0.0036	\$0.0553	0.0000	\$0.0000	\$0.0553
Aerial Ca - Fiber	822C	\$1,308.8	0.0400	\$0.0524	0.0667	0.0301	\$0.0394	0.0037	\$0.0049	0.0116	\$0.0152	\$0.1992	0.0000	\$0.0000	\$0.1992
Buried Ca - Fiber	845C	\$0.8341	0.0363	\$0.0303	0.0697	0.0315	\$0.0263	0.0011	\$0.0009	0.0116	\$0.0097	\$0.1253	0.0000	\$0.0000	\$0.1253
Underground Ca - Fiber	85C	\$1,019.6	0.0400	\$0.0408	0.0667	0.0301	\$0.0307	0.0034	\$0.0035	0.0116	\$0.0119	\$0.1549	0.0000	\$0.0000	\$0.1549
Conduit Systems		\$0.8644										\$0.1303			\$0.1303
Annual Total	4C	\$1,043,219.2	0.0162	\$0.0140	0.0834	0.0377	\$0.0326	0.0019	\$0.0016	0.0116	\$0.0101	\$215,475.5	0.0000	\$0.0000	\$215,475.5
Monthly Total (Annual Total / 12)												\$17,956.3		\$0.0000	\$17,956.3

000031

Nonrecurring Cost Summary

Tennessee
N.1.1 - UPS - UNI/NNI FRS 56 KBPS

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$130.0094	\$0.0000	\$130.0094
Total Cost	\$130.0094	\$0.0000	\$130.0094
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$130.4288
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$130.4288

000032

Nonrecurring Cost Development

Tennessee
N.1.1 - UPS - UNI/NNI FRS 56 KBPS

9/28/99	A			B		C		D=AxC		E=BxC		F		G=ExF		H=D+G	
	Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost						
	Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804						
	Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38.3100	\$0.0000	1.1187	\$0.0000	\$38.3100						
	Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185						
	Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681						
	Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189						
	Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.4595	0.0000	\$38.31	\$55.9134	\$0.0000	1.1187	\$0.0000	\$55.9134						
										Total	130.009356						

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38.3100	\$0.0000	1.1187	\$0.0000	\$38.3100
Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185
Connect & Test	431X	CO Install & Mlce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681
Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.4595	0.0000	\$38.31	\$55.9134	\$0.0000	1.1187	\$0.0000	\$55.9134
									Total	130.009356

000033

Recurring Cost Summary

Tennessee
N.1.2 - UPS - UNI/NNI FRS 64 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$17.9563	\$0.0000	\$17.9563			\$0.0000
<u>Other Expenses</u>						
Software Cost per Port per Month	\$1.1739	\$0.0000	\$1.1739	\$0.0000	\$0.0000	\$0.0000
Total Monthly Cost	\$19.1302	\$0.0000	\$19.1302	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			1.0032			1.0032
Cost (including Gross Receipts Tax)			\$19.1919			\$0.0000
Common Cost Factor			1.1500			1.1500
Monthly Economic Cost			\$22.0707			\$0.0000

Total Monthly Economic Cost : \$22.0707

000034

Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive

Tennessee
N.1.2 - UPS - UN/INNI FRS 64 KBPS

9/28/99	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F	G=ExF
	In-Plant Factors (Default = 1)										Supporting Equipment &/or Power
	Plug-in Inventory		Adjusted Material	Factor	Mat'l Factor	Telco Factor	Plug-in Factor	Hardwire Factor	In-Plant Investment	Loading	Total Investment
Sub											
FRG		Material									
377C 07		\$5,0142	\$4,9303	1.0000	1.0000	1.0000	1.0000	2.5066	\$12.3583	1.1108	\$13.7276
377C 08		\$105.6100	\$103.8428	1.0000	1.0000	1.0000	1.0666	1.0000	\$110.7588	1.1108	\$123.0308
377C 09		\$24.0023	\$23.6006	1.0000	1.3138	1.0000	1.0000	1.0000	\$31.0065	1.1108	\$34.4420
377C 10		\$176.9591	\$173.9981	1.0606	1.0000	1.0000	1.0666	1.0000	\$196.8329	1.1108	\$218.6420
357C 03		\$85.0577	\$81.9559	1.0000	1.0000	1.0000	1.0000	3.2421	\$265.7123	1.0466	\$278.0945
357C 06		\$33.9168	\$32.6800	1.0000	1.0000	1.0000	1.0656	1.0000	\$34.8233	1.0466	\$36.4461
357C 09		\$88.6153	\$85.3838	1.0606	1.0000	1.0000	1.0656	1.0000	\$96.4975	1.0466	\$100.9943
357C 15		\$86.1275	\$82.9867	1.0000	1.2639	1.0000	1.0000	1.0000	\$104.8869	1.0466	\$109.7746
822C 00		\$0.5569	\$0.5485	1.0000	2.3861	1.0000	1.0000	1.0000	\$1.3088	1.0000	\$1.3088
845C 00		\$0.1737	\$0.1754	1.0000	4.7539	1.0000	1.0000	1.0000	\$0.8341	1.0000	\$0.8341
85C 00		\$0.4943	\$0.4795	1.0000	2.1263	1.0000	1.0000	1.0000	\$1.0196	1.0000	\$1.0196
	</										

000035

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee
N.1.2 - UPS - UNI/NNI FRS 64 KBPS

FRC		Investment	A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
				Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment	Conduit Factor	Conduit Investment
20C	Land - COE	\$5,2164	= Sum of Col C								
10C	Buildings - COE	\$118,5122	= Sum of Col E								
1C	Poles	\$0,3118	= Sum of Col G								
4C	Conduit Systems	\$0,8644	= Sum of Col I								
9/28/99											
377C	Digital Elec Switch - C.O. Hardwired - SE&P	\$13,7276		0.0057	\$0,0782	0.1295	\$1,7777	0.0000	\$0,0000	0.0000	\$0,0000
377C	Digital Elec Switch - C.O. Com. Plug-In - SE&P	\$123,0308		0.0057	\$0,7013	0.1295	\$15,9325	0.0000	\$0,0000	0.0000	\$0,0000
377C	Digital Elec Switch - C.O. Combined - SE&P	\$34,4420		0.0057	\$0,1963	0.1295	\$4,4602	0.0000	\$0,0000	0.0000	\$0,0000
377C	Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	\$218,6420		0.0057	\$1,2463	0.1295	\$28,3141	0.0000	\$0,0000	0.0000	\$0,0000
357C	Digtl Circ - Other - C.O. - Hardwired - MCEP	\$278,0945		0.0057	\$1,5851	0.1295	\$36,0132	0.0000	\$0,0000	0.0000	\$0,0000
357C	Digtl Circ - Other - C.O. - Com. Plug-in - MCEP	\$36,4461		0.0057	\$0,2077	0.1295	\$4,7198	0.0000	\$0,0000	0.0000	\$0,0000
357C	Digtl Circ - Other - C.O. - Def. Plug-In - MCEP With Sp. Stock	\$100,9943		0.0057	\$0,5757	0.1295	\$13,0788	0.0000	\$0,0000	0.0000	\$0,0000
357C	Digtl Circ - Other - C.O. - Combined - MCEP	\$109,7746		0.0057	\$0,6257	0.1295	\$14,2158	0.0000	\$0,0000	0.0000	\$0,0000
822C	Aerial Ca - Fiber	\$1,3088		0.0000	\$0,0000	0.0000	\$0,0000	0.2383	\$0,3118	0.0000	\$0,0000
845C	Buried Ca - Fiber	\$0,8341		0.0000	\$0,0000	0.0000	\$0,0000	0.0000	\$0,0000	0.0000	\$0,0000
85C	Underground Ca - Fiber	\$1,0196		0.0000	\$0,0000	0.0000	\$0,0000	0.0000	\$0,0000	0.8478	\$0,8644
					\$5,2164		\$118,5122		\$0,3118		\$0,8644

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Recurring Cost Development
Volume Sensitive

Tennessee
N.1.2 - UPS - UNINNI FRS 64 KBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
		Depreciation Factor	Depreciation	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE	FRC 20C	0.0000	\$0.0000	0.0993	\$0.5180	0.0449	\$0.2341	0.0000	\$0.0000	0.0116	\$0.0607	\$0.8128	0.0000	\$0.0000	\$0.8128
Buildings - COE	10C	0.0230	\$2.7285	0.0780	\$9.2419	0.0352	\$4.1765	0.0696	\$8.2487	0.0116	\$1.3798	\$25.7755	0.0000	\$0.0000	\$25.7755
Digital Elec Switch	377C	0.0565	\$22.0146	0.0667	\$25.9873	0.0301	\$11.7438	0.0367	\$14.3135	0.0116	\$4.5389	\$78.5981	0.0000	\$0.0000	\$78.5981
Digitl Circ - Other	357C	0.0909	\$47.7554	0.0626	\$32.8624	0.0283	\$14.8507	0.0153	\$8.0393	0.0116	\$6.1162	\$109.6241	0.0000	\$0.0000	\$109.6241
Poles	1C	0.0400	\$0.0125	0.0639	\$0.0199	0.0289	\$0.0090	0.0330	\$0.0103	0.0116	\$0.0036	\$0.0553	0.0000	\$0.0000	\$0.0553
Aerial Ca - Fiber	822C	0.0400	\$0.0524	0.0667	\$0.0873	0.0301	\$0.0394	0.0037	\$0.0049	0.0116	\$0.0152	\$0.1992	0.0000	\$0.0000	\$0.1992
Buried Ca - Fiber	845C	0.0363	\$0.0303	0.0697	\$0.0581	0.0315	\$0.0263	0.0011	\$0.0009	0.0116	\$0.0097	\$0.1253	0.0000	\$0.0000	\$0.1253
Underground Ca - Fiber	85C	0.0400	\$0.0408	0.0667	\$0.0680	0.0301	\$0.0307	0.0034	\$0.0035	0.0116	\$0.0119	\$0.1549	0.0000	\$0.0000	\$0.1549
Conduit Systems	4C	0.0162	\$0.0140	0.0834	\$0.0721	0.0377	\$0.0326	0.0019	\$0.0016	0.0116	\$0.0101	\$0.1303	0.0000	\$0.0000	\$0.1303
Annual Total			\$1,043.2192									\$215.4755		\$0.0000	\$215.4755
Monthly Total (Annual Total / 12)												\$17.9563		\$0.0000	\$17.9563

000037

Nonrecurring Cost Summary

Tennessee
N.1.2 - UPS - UNI/NNI FRS 64 KBPS

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$130.0094	\$0.0000	\$130.0094
Total Cost	\$130.0094	\$0.0000	\$130.0094
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$130.4288
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$130.4288

000038

Nonrecurring Cost Development

Tennessee
N.1.2 - UPS - UNI/NNI FRS 64 KBPS

9/28/99	A			B	C	D=AxC		E=BxC		F	G=ExF		H=DxG
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost			
	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804			
	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38.3100	\$0.0000	1.1187	\$0.0000	\$38.3100			
	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185			
	431X	CO Install & Mtce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681			
	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189			
	471X	Acc Cust Advocate Cntr (ACAC)	1.4595	0.0000	\$38.31	\$55.9134	\$0.0000	1.1187	\$0.0000	\$55.9134			
									Total	130.009356			

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38.3100	\$0.0000	1.1187	\$0.0000	\$38.3100
Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681
Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.4595	0.0000	\$38.31	\$55.9134	\$0.0000	1.1187	\$0.0000	\$55.9134
									Total	130.009356

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Recurring Cost Summary

Tennessee
N.1.3 - UPS - UNI/NNI FRS 1.536 MBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$60.3244	\$0.0000	\$60.3244			\$0.0000
Other Expenses						
Software Cost per Port per Month	\$1.1739	\$0.0000	\$1.1739	\$0.0000	\$0.0000	\$0.0000
Total Monthly Cost	\$61.4983	\$0.0000	\$61.4983	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			X 1.0032			X 1.0032
Cost (including Gross Receipts Tax)			\$61.6967			\$0.0000
Common Cost Factor			X 1.1500			X 1.1500
Monthly Economic Cost			\$70.9512			\$0.0000

Total Monthly Economic Cost : \$70.9512

000040

Tennessee
N.1.3 - UPS - UNI/NNI FRS 1.536 MBPS

000041

Tennessee
N.1.3 - UPS - UNI/NNI FRS 1.536 MBPS

000042

**Recurring Cost Development
Volume Sensitive**

**Tennessee
N.1.3 - UPS - UN/INNI FRS 1.536 MBPS**

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxG)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)		
		FRQ 20C	Investment \$17.8620	Depreciation Factor 0.0000	Depreciation \$0.0000	Cost of Money Factor 0.0993	Cost of Money \$1.7737	Income Tax Factor 0.0449	Income Tax \$0.8015	Plant Specific Factor 0.0000	Plant Specific Expense \$0.0000	Ad Valorem Factor 0.0116	Ad Valorem Expense \$0.2080	Direct Cost \$2.7832	Shared Cost Factor 0.0000	Shared Cost \$0.0000	TELRIC \$2.7832
Land - COE		10C	\$405.8116	0.0230	\$9.3431	0.0780	\$31.6464	0.0352	\$14.3012	0.0696	\$28.2453	0.0116	\$4.7249	\$88.2609	0.0000	\$0.0000	\$88.2609
Buildings - COE		377C	\$3,079.0269	0.0565	\$173.8745	0.0667	\$205.2510	0.0301	\$92.7542	0.0367	\$113.0496	0.0116	\$35.8491	\$620.7783	0.0000	\$0.0000	\$620.7783
Digital Elec Switch		357C	\$54.6534	0.0909	\$4.9685	0.0626	\$3.4190	0.0283	\$1.5451	0.0153	\$0.8364	0.0116	\$0.6363	\$11.4053	0.0000	\$0.0000	\$11.4053
Digitl Circ - Other		1C	\$0.3118	0.0400	\$0.0125	0.0639	\$0.0199	0.0289	\$0.0090	0.0330	\$0.0103	0.0116	\$0.0036	\$0.0553	0.0000	\$0.0000	\$0.0553
Poles		822C	\$1.3088	0.0400	\$0.0524	0.0667	\$0.0873	0.0301	\$0.0394	0.0037	\$0.0049	0.0116	\$0.0152	\$0.1992	0.0000	\$0.0000	\$0.1992
Aerial Ca - Fiber		845C	\$0.8341	0.0363	\$0.0303	0.0697	\$0.0581	0.0315	\$0.0263	0.0011	\$0.0009	0.0116	\$0.0097	\$0.1253	0.0000	\$0.0000	\$0.1253
Buried Ca - Fiber		85C	\$1.0196	0.0400	\$0.0408	0.0667	\$0.0680	0.0301	\$0.0307	0.0034	\$0.0035	0.0116	\$0.0119	\$0.1549	0.0000	\$0.0000	\$0.1549
Underground Ca - Fiber																	
Conduit Systems		4C	\$0.8644	0.0162	\$0.0140	0.0834	\$0.0721	0.0377	\$0.0326	0.0019	\$0.0016	0.0116	\$0.0101	\$0.1303	0.0000	\$0.0000	\$0.1303
Annual Total			<u>\$3,561.6925</u>									<u>\$723.8927</u>		<u>\$0.0000</u>		<u>\$0.0000</u>	<u>\$723.8927</u>
Monthly Total (Annual Total / 12)												\$60.3244		\$0.0000		\$60.3244	

000043

Nonrecurring Cost Summary

Tennessee
N.1.3 - UPS - UNI/NNI FRS 1.536 MBPS

9/28/99

	Nonrecurring Cost		
	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$149.1644	\$0.0000	\$149.1644
Total Cost	\$149.1644	\$0.0000	\$149.1644
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$149.6456
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$149.6456

Nonrecurring Cost Development

Tennessee
N.1.3 - UPS - UN/NNI FRS 1.536 MBPS

9/28/99	A			B	C	D=AxC		E=BxC	F	G=ExF	H=D+G
Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost	
Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804	
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38.3100	\$0.0000	1.1187	\$0.0000	\$38.3100	
Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185	
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681	
Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189	
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.9595	0.0000	\$38.31	\$75.0684	\$0.0000	1.1187	\$0.0000	\$75.0684	
									Total	149.164356	

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15,5804	\$0.0000	1.1187	\$0.0000	\$15,5804
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.0000	0.0000	\$38.31	\$38,3100	\$0.0000	1.1187	\$0.0000	\$38,3100
Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1,7185	\$0.0000	1.1187	\$0.0000	\$1,7185
Connect & Test	431X	CO Install & Mice Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17,8681	\$0.0000	1.1187	\$0.0000	\$17,8681
Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0,6189	\$0.0000	1.1187	\$0.0000	\$0,6189
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.9595	0.0000	\$38.31	\$75,0684	\$0.0000	1.1187	\$0.0000	\$75,0684
									Total	149,164356

000045

Recurring Cost Summary

Tennessee
N.1.4 - UPS - UNI/NNI FRS 44.210 MBP'S

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$459.8200	\$0.0000	\$459.8200			\$0.0000
<u>Other Expenses</u>						
Software Cost per Port per Month	\$1.1739	\$0.0000	\$1.1739	\$0.0000	\$0.0000	\$0.0000
Total Monthly Cost	\$460.9939	\$0.0000	\$460.9939	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$462.4811			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$531.8533			\$0.0000

Total Monthly Economic Cost : \$531.8533

000046

Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive

Tennessee
N.1.4 - UPS - UN/NNI FRS 44.210 MBPS

9/28/99	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F	G=ExF
	Sub	Inflation	Adjusted	In-Plant Factors (Default = 1)						Supporting Equipment	Total
	FRC	Factor	Material	Plug-In Inventory	Mat'l Factor	Telco Factor	Plug-In Factor	Hardware Factor	In-Plant Investment	&/or Power Loading	Investment
Digital Elec Switch - C.O. Hardwired - SE&P	377C 07	0.9833	\$13.2505	1.0000	1.0000	1.0000	1.0000	2.5066	\$32.6579	1.1108	\$36.2763
Digital Elec Switch - C.O. Com. Plug-In - SE&P	377C 08	0.9833	\$9,375.8088	1.0000	1.0000	1.0000	1.0666	1.0000	\$9,832.9037	1.1108	\$10,922.3894
Digital Elec Switch - C.O. Combined - SE&P	377C 09	0.9833	\$1,360.4111	1.0000	1.3138	1.0000	1.0000	1.0000	\$1,757.4011	1.1108	\$1,952.1211
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	377C 10	0.9833	\$8,323.7721	1.0606	1.0000	1.0000	1.0666	1.0000	\$9,258.5899	1.1108	\$10,284.4416
Digital Circ - Other - C.O. - Hardwired - MCEP	357C 03	0.9635	\$213.6551	1.0000	1.0000	1.0000	1.0000	3.2421	\$667.4383	1.0466	\$698.5410
Digital Circ - Other - C.O. - Com. Plug-In - MCEP	357C 06	0.9635	\$2.1521	1.0000	1.0000	1.0000	1.0656	1.0000	\$2.2096	1.0466	\$2.3126
Digital Circ - Other - C.O. - Def. Plug-In - MCEP With Sp. Stock	357C 09	0.9635	\$0.5353	1.0606	1.0000	1.0000	1.0656	1.0000	\$0.5829	1.0466	\$0.6101
Digital Circ - Other - C.O. - Combined - MCEP	357C 15	0.9635	\$0.0064	1.0000	1.2639	1.0000	1.0000	1.0000	\$0.0077	1.0466	\$0.0081
Aerial Ca - Fiber	822C 00	0.9849	\$0.5569	1.0000	2.3861	1.0000	1.0000	1.0000	\$1.3088	1.0000	\$1.3088
Buried Ca - Fiber	845C 00	1.0100	\$0.1737	1.0000	4.7539	1.0000	1.0000	1.0000	\$0.8341	1.0000	\$0.8341
Underground Ca - Fiber	85C 00	0.9700	\$0.4943	1.0000	2.1263	1.0000	1.0000	1.0000	\$1.0196	1.0000	\$1.0196

000047

Tennessee
N.1.4 - UPS - UNI/NNI FRS 44.210 MBPS

000048

**Recurring Cost Development
Volume Sensitive**

Tennessee
N.1.4 - UPS - UN/INNI FRS 44.210 MBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)		
		FRC 20C	Investment \$136.2112	Depreciation Factor 0.0000	Depreciation \$0.0000	Cost of Money Factor 0.0993	Cost of Money \$13.5258	Income Tax Factor 0.0449	Income Tax \$6.1124	Plant Specific Factor 0.0000	Plant Specific Expense \$0.0000	Ad Valorem Factor 0.0116	Ad Valorem Expense \$1.5859	Direct Cost \$21.2241	Shared Cost Factor 0.0000	Shared Cost \$0.0000	TELRIC \$21.2241
Land - COE																	
Buildings - COE		10C	\$3,094.6227	0.0230	\$71.2483	0.0780	\$241.3282	0.0352	\$109.0576	0.0896	\$215.3919	0.0116	\$36.0307	\$673.0567	0.0000	\$0.0000	\$673.0567
Digital Elec Switch		377C	\$23,195.2284	0.0565	\$1,309.8482	0.0667	\$1,546.2173	0.0301	\$698.7447	0.0367	\$851.6360	0.0116	\$270.0620	\$4,676.5083	0.0000	\$0.0000	\$4,676.5083
Digitl Circ - Other		357C	\$701.4718	0.0909	\$63.7702	0.0626	\$43.8828	0.0283	\$19.8309	0.0153	\$10.7353	0.0116	\$8.1672	\$146.3865	0.0000	\$0.0000	\$146.3865
Poles		1C	\$0.3118	0.0400	\$0.0125	0.0639	\$0.0199	0.0289	\$0.0090	0.0330	\$0.0103	0.0116	\$0.0036	\$0.0553	0.0000	\$0.0000	\$0.0553
Aerial Ca - Fiber		822C	\$1.3088	0.0400	\$0.0524	0.0667	\$0.0873	0.0301	\$0.0394	0.0037	\$0.0049	0.0116	\$0.0152	\$0.1992	0.0000	\$0.0000	\$0.1992
Buried Ca - Fiber		845C	\$0.8341	0.0363	\$0.0303	0.0697	\$0.0581	0.0315	\$0.0263	0.0011	\$0.0009	0.0116	\$0.0097	\$0.1253	0.0000	\$0.0000	\$0.1253
Underground Ca - Fiber		85C	\$1.0196	0.0400	\$0.0408	0.0667	\$0.0680	0.0301	\$0.0307	0.0034	\$0.0035	0.0116	\$0.0119	\$0.1549	0.0000	\$0.0000	\$0.1549
Conduit Systems		4C	\$0.8644	0.0162	\$0.0140	0.0834	\$0.0721	0.0377	\$0.0326	0.0019	\$0.0016	0.0116	\$0.0101	\$0.1303	0.0000	\$0.0000	\$0.1303
Annual Total			<u>\$27,131.8728</u>									<u>\$5,517.8405</u>		<u>\$0.0000</u>	<u>\$0.0000</u>	<u>\$5,517.8405</u>	
Monthly Total (Annual Total / 12)												\$459.8200		\$0.0000		\$459.8200	

000049

Nonrecurring Cost Summary

Tennessee
N.1.4 - UPS - UNI/NNI FRS 44.210 MBPS

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$224.5194	\$0.0000	\$224.5194
Total Cost	\$224.5194	\$0.0000	\$224.5194
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$225.2437
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$225.2437

000050

Nonrecurring Cost Development

Tennessee
N.1.4 - UPS - UNI/NNI FRS 44.210 MBPS

9/28/99	A			B		C		D=AxC		E=BxC		F		G=ExF		H=D+G	
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost							
	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804							
	471X	Acc Cust Advocate Cntr (ACAC)	1.5000	0.0000	\$38.31	\$57.4650	\$0.0000	1.1187	\$0.0000	\$57.4650							
	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185							
	431X	CO Install & Mtce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681							
	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189							
	31XX	Ntwk & Eng Planning (FG20)	1.0000	0.0000	\$56.20	\$56.2000	\$0.0000	1.1187	\$0.0000	\$56.2000							
	471X	Acc Cust Advocate Cntr (ACAC)	1.9595	0.0000	\$38.31	\$75.0684	\$0.0000	1.1187	\$0.0000	\$75.0684							
	Total										224.519356						

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.4167	0.0000	\$37.39	\$15.5804	\$0.0000	1.1187	\$0.0000	\$15.5804
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.5000	0.0000	\$38.31	\$57.4650	\$0.0000	1.1187	\$0.0000	\$57.4650
Service Order	4WXX	Work Management Center (WMC)	0.0500	0.0000	\$34.37	\$1.7185	\$0.0000	1.1187	\$0.0000	\$1.7185
Connect & Test	431X	CO Install & Mlce Field - Ckt & Fac	0.4167	0.0000	\$42.88	\$17.8681	\$0.0000	1.1187	\$0.0000	\$17.8681
Engineering	470X	Circuit Provisioning Group (CPG)	0.0167	0.0000	\$37.06	\$0.6189	\$0.0000	1.1187	\$0.0000	\$0.6189
Service Inquiry	31XX	Ntwk & Eng Planning (FG20)	1.0000	0.0000	\$56.20	\$56.2000	\$0.0000	1.1187	\$0.0000	\$56.2000
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	1.9595	0.0000	\$38.31	\$75.0684	\$0.0000	1.1187	\$0.0000	\$75.0684
Total										224.519356

000051

Nonrecurring Cost Summary

Tennessee
N.1.5 - UPS - UNI/NNI FRS - DLCI Additional

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$39.6775	\$0.0000	\$39.6775
Total Cost	\$39.6775	\$0.0000	\$39.6775
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$39.8055
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$39.8055

000052

Nonrecurring Cost Development

Tennessee
N.1.5 - UPS - UNI/NNI FRS - DLCI Additional

9/28/99	A			B		C		D=AxC		E=BxC		F		G=ExF		H=D+G	
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Disconnect Factor	Discounted Disconnect Cost	Direct Cost							
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475							
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.7917	0.0000	\$38.31	\$30.3300	\$0.0000	1.1187	\$0.0000	\$30.3300							
									Total	39.677527							

					TELRIC Labor Rate	Install Cost	Disconnect Cost	Disconnect Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.7917	0.0000	\$38.31	\$30.3300	\$0.0000	1.1187	\$0.0000	\$30.3300
									Total	39.677527

000053

Recurring Cost Summary

Tennessee
N.1.6 - UPS - UNI/NNI FRS CIR - 0 BPS

9/28/99

Volume Sensitive

Volume Insensitive

	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$0.0656	\$0.0000	\$0.0656			\$0.0000
Total Monthly Cost	\$0.0656	\$0.0000	\$0.0656	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$0.0658			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$0.0756			\$0.0000

Total Monthly Economic Cost : \$0.0756

000054

**Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive**

9/28/99	Tennessee										Supporting Equipment &/or Power Loading	Total Investment \$3.4106	
	N.1.6 - UPS - UNI/INI FRS CIR - 0 BPS												
	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F			G=ExF
	In-Plant Factors (Default = 1)												
	Plug-In			Telco		Plug-In		Hardware		In-Plant Investment \$3.0704			
	Inventory			Factor		Factor		Factor					
	Factor			1.0000		1.0000		1.0000					
	Inflation			Adjusted		Mat'l		Telco		In-Plant Investment \$3.0704			
	Factor			Material		Factor		Factor					
	0.9833			\$2.7142		1.0000		1.0666					
FR	Sub	Inflation	Adjusted	Mat'l	Telco	Plug-In	Hardware	In-Plant	Total				
377C	FR	Factor	Material	Factor	Factor	Factor	Factor	Investment	Investment				
	10	\$2.7604	\$2.7142	1.0000	1.0000	1.0606	1.0666	\$3.0704	\$3.4106				
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock													

Sub FRC 10
ERC 377C
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

000055

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee
N.1.6 - UPS - UNI/NNI FRS CIR - 0 BPS

Land - COE Buildings - COE	FRC 20C 10C	Investment \$0.0194 = Sum of Col C \$0.4417 = Sum of Col E	A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
9/28/99	Sub FRC 377C	Investment \$3.4106	Land Factor 0.0057	Land Investment \$0.0194	Building Factor 0.1295	Building Investment \$0.4417	Pole Factor 0.0000	Pole Investment \$0.0000	Conduit Factor 0.0000	Conduit Investment \$0.0000	
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock				\$0.0194		\$0.4417					

000056

Recurring Cost Development
Volume Sensitive

Tennessee																
N.1.6 - UPS - UN/INI FRS CIR - 0 BPS																
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AXD)	F	G=(AXF)	H	I=(AXH)	J	K=(AXJ)	L=(C+E+G+ I+K)	M	N=(AXM)	O=(L+N)	

000057

Recurring Cost Summary

Tennessee
N.1.7 - UPS - UNI/NNI FRS CIR - 1 - 32 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$0.3278	\$0.0000	\$0.3278			\$0.0000
Total Monthly Cost	\$0.3278	\$0.0000	\$0.3278		\$0.0000	\$0.0000
Gross Receipts Tax Factor						1.0032
Cost (including Gross Receipts Tax)						\$0.0000
Common Cost Factor						1.1500
Monthly Economic Cost						\$0.0000

Total Monthly Economic Cost : \$0.3782

000058

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee

N.1.7 - UPS - UNI/NNI FRS CIR - 1 - 32 KBPS

Land - COE Buildings - COE	FRC 20C 10C	Investment \$0.0972 = Sum of Col C \$2.2084 = Sum of Col E	A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
9/28/99				Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment	Conduit Factor	Conduit Investment
	FRC 377C		Sub FRC 10	0.0057	\$0.0972	0.1295	\$2.2084	0.0000	\$0.0000	0.0000	\$0.0000
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock					\$0.0972		\$2.2084		\$0.0000		\$0.0000

000060

Recurring Cost Development
Volume Sensitive

Tennessee															
N.1.7 - UPS - UNINNI FRS CIR - 1 - 32 KBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(A×H)	J	K=(A×J)	L=(C+E+G+ I+K)	M	N=(A×M)	O=(L+N)
														</	

000061

Recurring Cost Summary

Tennessee
N.1.8 - UPS - UNI/NNI FRS CIR - 32 - 56 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$0.5737	\$0.0000	\$0.5737			\$0.0000
Total Monthly Cost	\$0.5737	\$0.0000	\$0.5737	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			X			X
Cost (including Gross Receipts Tax)			1.0032			1.0032
Common Cost Factor			\$0.5755			\$0.0000
Monthly Economic Cost			1.1500			1.1500
			\$0.6618			\$0.0000

Total Monthly Economic Cost : \$0.6618

9/28/99

000062

66/82/6

9/28/99

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

Page 2

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee									
N.1.8 - UPS - UNI/NNI FRS CIR - 32 - 56 KBPS									
Land - COE Buildings - COE	FRC 20C 10C	Investment		= Sum of Col C		= Sum of Col E			
		\$0.1701		\$3.8647					
9/28/99		A=Prev Page		B	C=(AxB)	D	E=(AxD)	F	G=(AxF)
		Col G							
		Sub	Land	Building	Building	Pole	Pole	Conduit	Conduit
		FRC	Factor	Investment	Factor	Investment	Investment	Factor	Investment
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	377C	10	0.0057	\$0.1701	\$0.1295	\$3.8647	\$0.0000	0.0000	\$0.0000
				<u>\$0.1701</u>		<u>\$3.8647</u>			<u>\$0.0000</u>
									<u>\$0.0000</u>

000064

**Recurring Cost Development
Volume Sensitive**

Tennessee															
N.18 - UPS - UN/INNI FRS CIR - 32 - 58 KBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(Ax F)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
	FRC 20C	Investment \$0.1701	Depreciation Factor 0.0000	Cost of Money Factor 0.0993	Cost of Money \$0.0169	Income Tax Factor 0.0449	Income Tax \$0.0076	Plant Specific Factor 0.0000	Plant Specific Expense \$0.0000	Ad Valorem Factor 0.0116	Ad Valorem Expense \$0.0020	Direct Cost \$0.0265	Shared Cost Factor 0.0000	Shared Cost \$0.0000	TELRIC \$0.0265
Land - COE	10C	\$3.8647	0.0230	0.0780	\$0.3014	0.0352	\$0.1362	0.0696	\$0.2890	0.0116	\$0.0450	\$0.8405	0.0000	\$0.0000	\$0.8405
Buildings - COE	377C	\$29.8429	0.0565	0.0667	\$1.9894	0.0301	\$0.8990	0.0367	\$1.0957	0.0116	\$0.3475	\$6.0168	0.0000	\$0.0000	\$6.0168
Annual Total		<u>\$33.8777</u>										<u>\$6.8838</u>		<u>\$0.0000</u>	<u>\$6.8838</u>
Monthly Total (Annual Total / 12)												\$0.5737		\$0.0000	\$0.5737

000065

Recurring Cost Summary

Tennessee
N.1.9 - UPS - UNI/NNI FRS CIR - 56 - 64 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$0.6556	\$0.0000	\$0.6556			\$0.0000
Total Monthly Cost	\$0.6556	\$0.0000	\$0.6556		\$0.0000	\$0.0000
Gross Receipts Tax Factor			1.0032			1.0032
Cost (including Gross Receipts Tax)			\$0.6577			\$0.0000
Common Cost Factor			1.1500			1.1500
Monthly Economic Cost			\$0.7564			\$0.0000

Total Monthly Economic Cost : \$0.7564

000066

000067

66/82/6

$$E = Cx(D_1 \times D_2 \times \dots \times D_5)$$

In-Plant Investment
\$30.7042

Page 2

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee											
N.1.9 - UPS - UNI/NNI FRS CIR - 56 - 64 KBPS											
FRC	Investment										
20C	\$0.1944	= Sum of Col C									
10C	\$4.4168	= Sum of Col E									

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.9 - UPS - UN/INNI FRS CIR - 56 - 64 KBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
		Depreciation Factor	Depreciation	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE		0.0000	\$0.0000	0.0593	\$0.0193	0.0449	\$0.0087	0.0000	\$0.0000	0.0116	\$0.0023	\$0.0303	0.0000	\$0.0000	\$0.0303
Buildings - COE		0.0230	\$0.1017	0.0780	\$0.3444	0.0352	\$0.1557	0.0696	\$0.3074	0.0116	\$0.0514	\$0.9606	0.0000	\$0.0000	\$0.9606
Digital Elec Switch		0.0565	\$1.9260	0.0667	\$2.2736	0.0301	\$1.0274	0.0367	\$1.2522	0.0116	\$0.3971	\$6.8763	0.0000	\$0.0000	\$6.8763
Annual Total			\$38.7174											\$0.0000	\$7.8672
Monthly Total (Annual Total / 12)														\$0.0000	\$0.6556

000069

Recurring Cost Summary

Tennessee
N.1.10 - UPS - UNI/NNI FRS CIR - 64 - 128 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$1.3112	\$0.0000	\$1.3112			\$0.0000
Total Monthly Cost	\$1.3112	\$0.0000	\$1.3112	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$1.3154			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$1.5127			\$0.0000

Total Monthly Economic Cost : \$1.5127

000070

**Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive**

9/28/99	Tennessee													
	N.1.10 - UPS - UN/NNI FRS CIR - 64 - 128 KBPS													
	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F				
	G=ExF													
	In-Plant Factors (Default = 1)													
	Sub		Inflation	Adjusted	Plug-In		Mat'l		Teico	Plug-In	Hardware	In-Plant	Investment	Total
	FRC	FRC	Factor	Material	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Investment	Loading	Investment
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	377C	10	0.9833	\$54.2843	1.0606	1.0000	1.0000	1.0666	1.0000	1.0000	1.0000	\$61.4083	1.1108	\$68.2124
	FRC													

000071

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee

N.1.10 - UPS - UNI/NNI FRS CIR - 64 - 128 KBPS

Land - COE Buildings - COE	9/28/99	FRC 20C 10C	<u>Investment</u> \$0.3888 \$8.8335	= Sum of Col C = Sum of Col E		A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock		FRC 377C	Sub FRC 10	<u>Investment</u> \$68.2124	<u>Land Factor</u> 0.0057	<u>Land Investment</u> \$0.3888	<u>Building Factor</u> 0.1295	<u>Building Investment</u> \$8.8335	<u>Pole Factor</u> 0.0000	<u>Pole Investment</u> \$0.0000	<u>Conduit Factor</u> 0.0000	<u>Conduit Investment</u> \$0.0000			

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.10 - UPS - UNINNI FRS CIR - 64 - 128 KBPS

	9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(A xH)	J	K=(A xJ)	L=(C+E+G+ I+K)	M	N=(A xM)	O=(L+N)
			Depreciation Factor	Depreciation Factor	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE	20C	\$0.3888	0.0000	\$0.0000	0.0093	\$0.0386	0.0449	\$0.0174	0.0000	\$0.0000	0.0116	\$0.0045	\$0.0606	0.0000	\$0.0000	\$0.0606
Buildings - COE	10C	\$8.8335	0.0230	\$0.2014	0.0780	\$0.6889	0.0152	\$0.3113	0.0696	\$0.6148	0.0116	\$0.1028	\$1.9212	0.0000	\$0.0000	\$1.9212
Digital Elec Switch	377C	\$68.2124	0.0565	\$3.8520	0.0667	\$4.5471	0.0301	\$2.0549	0.0367	\$2.5045	0.0116	\$0.7942	\$13.7526	0.0000	\$0.0000	\$13.7526
Annual Total		<u>\$77.4347</u>											<u>\$15.7345</u>		<u>\$0.0000</u>	<u>\$15.7345</u>
Monthly Total (Annual Total / 12)													\$1.3112		\$0.0000	\$1.3112

000073

Recurring Cost Summary

Tennessee
N.1.11 - UPS - UNI/NNI FRS CIR - 128 - 256 KBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$2.6224	\$0.0000	\$2.6224			\$0.0000
Total Monthly Cost	\$2.6224	\$0.0000	\$2.6224	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			X 1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$2.6309			\$0.0000
Common Cost Factor			X 1.1500		X	1.1500
Monthly Economic Cost			\$3.0255			\$0.0000

Total Monthly Economic Cost : \$3.0255

000074

Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive

9/28/99	Tennessee											
	N.1.11 - UPS - UN/INI FRS CIR - 128 - 256 KBPS											
	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F	G=ExF	
				In-Plant Factors (Default = 1)								
				Plug-in								
				Inventory	Mat'l	Telco	Plug-in	Hardware	In-Plant	Supporting		
				Factor	Factor	Factor	Factor	Factor	Investment	Equipment		
				1.0606	1.0000	1.0000	1.0666	1.0000	\$122.8167	Loading		
										1.1108		
											Total	
											Investment	
											\$136.4248	

Sub FRC 10
 FRC 377C
 Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

000075

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee												
N.1.11 - UPS - UN/NNI FRS CIR - 128 - 256 KBPS												
Land - COE Buildings - COE	FRC 20C 10C	Investment										
		\$0.7776 = Sum of Col C										
9/28/99	377C	\$17.6670 = Sum of Col E										
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	Sub FRC 10	A=Prev Page										
		Col G										
	FRC 377C	Investment	Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment	Conduit Factor	Conduit Investment		I=(AxH)
		\$136.4248	0.0057	\$0.7776	0.1295	\$17.6670	0.0000	\$0.0000	0.0000	\$0.0000		
				<u>\$0.7776</u>		<u>\$17.6670</u>		<u>\$0.0000</u>		<u>\$0.0000</u>		

000076

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.11 - UPS - UN/NNI FRS CIR - 128 - 256 KBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
	FRS	Investment	Depreciation Factor	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE	20C	\$0.7776	0.0000	0.0993	\$0.0772	0.0449	\$0.0349	0.0000	\$0.0000	0.0116	\$0.0091	\$0.1212	0.0000	\$0.0000	\$0.1212
Buildings - COE	10C	\$17.6670	0.0230	0.0780	\$1.3777	0.0352	\$0.6226	0.0696	\$1.2297	0.0116	\$0.2057	\$3.8424	0.0000	\$0.0000	\$3.8424
Digital Elec Switch	377C	\$136.4248	0.0565	0.0667	\$9.0942	0.0301	\$4.1097	0.0367	\$5.0090	0.0116	\$1.5884	\$27.5053	0.0000	\$0.0000	\$27.5053
Annual Total		<u>\$154.8694</u>										<u>\$31.4689</u>		<u>\$0.0000</u>	<u>\$31.4689</u>
Monthly Total (Annual Total / 12)												\$2.6224		\$0.0000	\$2.6224

000077

Recurring Cost Summary

Tennessee
N.1.12 - UPS - UNI/NNI FRS CIR - 256 - 384 KBPS

9/28/99

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$3.9336	\$0.0000	\$3.9336			\$0.0000
Total Monthly Cost	\$3.9336	\$0.0000	\$3.9336	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$3.9463			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$4.5382			\$0.0000

Total Monthly Economic Cost : \$4.5382

000078

000079

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	Sub		Inflation		Adjusted Inventory		Telco		Plug-In		Hardwire		In-Plant		Equipment	
	FRC	FRC	Material	Factor	Material	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Investment	Loading	Total Investment
	377C	10	\$165.6243	0.9833	\$162.9529	1.0606	1.0000	1.0000	1.0666	1.0000			\$184.2250	1.1108	\$204.6372	

Page 2

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee									
N.1.12 - UPS - UN/INI FRS CIR - 256 - 384 KBPS									
Land - COE Buildings - COE	FRC 20C 10C	<u>Investment</u>	= Sum of Col C						
		\$1 1664	\$26 5005						
9/28/99	Sub FRC 377C	A = Prev Page		B	C = (AxB)	D	E = (AXD)	F	G = (AXF)
		Col G		Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp Stock	FRC 377C	10	\$204 6372	0.0057	\$1 1664	0.1295	\$26 5005	0.0000	\$0.0000

**Recurring Cost Development
Volume Sensitive**

Tennessee															
N.1.12 - UPS - UNINNI FRS CIR - 256 - 384 KBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AXD)	F	G=(AXF)	H	I=(AXH)	J	K=(AXJ)	L=(C+E+G+ I+K)	M	N=(AXM)	O=(L+N)

000081

Recurring Cost Summary

Tennessee
N.1.13 - UPS - UNI/NNI FRS CIR - 384 - 512 KBPS

9/28/99

Volume Sensitive

Volume Insensitive

	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$5.2448	\$0.0000	\$5.2448			\$0.0000
Total Monthly Cost	\$5.2448	\$0.0000	\$5.2448		\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$5.2617			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$6.0510			\$0.0000

Total Monthly Economic Cost : \$6.0510

000082

**Investment Development (Excluding Land, Building, Pole, and Conduit)
Volume Sensitive**

9/28/99	Tennessee										G=ExF		
	N.1.13 - UPS - UNI/NNI FRS CIR - 384 - 512 KBPS												
	A	B	C=AxB	D1	D2	D3	D4	D5	E=Cx(D1xD2 x...xD5)	F			
	Supporting Equipment &/or Power Loading												
	In-Plant Factors (Default = 1)												
	Plug-In												
	Inventory Factor												
	Mat'l Factor												
	Telco Factor												
	Hardwire Factor												
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	Sub FRC	Inflation Factor	Adjusted Material	Plug-In Inventory Factor			Telco Factor			Hardwire Factor		In-Plant Investment	Total Investment
	377C	0.9833	\$217.1372	1.0606			1.0000			1.0666		\$245.6334	1.1108
	10			1.0000			1.0000			1.0000		\$272.8496	
	In-Plant Factors (Default = 1)												
	Plug-In												
	Inventory Factor												
	Mat'l Factor												
	Telco Factor												
	Hardwire Factor												
	In-Plant Investment												

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee

N.1.13 - UPS - UN/NNI FRS CIR - 384 - 512 KBPS

Land - COE Buildings - COE	9/28/99	FRC 20C	Investment \$1.5552	= Sum of Col C		A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
		10C	\$35.3340	= Sum of Col E										
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock		FRC 377C	Sub FRC 10	Investment \$272.8496	Land Factor 0.0057			Land Investment \$1.5552	Building Factor 0.1295	Building Investment \$35.3340	Pole Factor 0.0000	Pole Investment \$0.0000	Conduit Factor 0.0000	Conduit Investment \$0.0000
								\$1.5552		\$35.3340		\$0.0000		\$0.0000

000084

**Recurring Cost Development
Volume Sensitive**

Tennessee															
N.1.13 - UPS - UN/NNI FRS CIR - 384 - 512 KBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AXD)	F	G=(AXF)	H	I=(AXI)	J	K=(AXJ)	L=(C+E+G+ I+K)	M	N=(AXM)	O=(L+N)

000085

Tennessee
N.1.14 - UPS - UNI/NNI FRS CIR - 512 - 768 KBPS

Volume Sensitive

	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	<u>\$7.8672</u>	<u>\$0.0000</u>	<u>\$7.8672</u>
Total Monthly Cost	<u>\$7.8672</u>	<u>\$0.0000</u>	<u>\$7.8672</u>
Gross Receipts Tax Factor			<u>1.0032</u>
Cost (including Gross Receipts Tax)			<u>\$7.8926</u>
Common Cost Factor			<u>1.1500</u>
Monthly Economic Cost			<u>\$9.0765</u>

	Direct Cost	Shared Cost	TELRIC
	<u>\$0.0000</u>	<u>\$0.0000</u>	<u>\$0.0000</u>
	<u>\$0.0000</u>	<u>\$0.0000</u>	<u>\$0.0000</u>
			<u>1.0032</u>
			<u>\$0.0000</u>
			<u>1.1500</u>
			<u>\$0.0000</u>

Total Monthly Economic Cost : \$9.0765

Page 1

000087

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp Stock

Sub
FRC
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B	Inflation Factor	0.91

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D2	In-P	Mat'l	Factor	1 00

Factor	Top	Bottom
Factor 1	0.85	0.15
Factor 2	0.15	0.85
Factor 3	0.15	0.85
Factor 4	0.15	0.85
Factor 5	0.15	0.85
Factor 6	0.15	0.85
Factor 7	0.15	0.85
Factor 8	0.15	0.85
Factor 9	0.15	0.85
Factor 10	0.15	0.85
Factor 11	0.15	0.85
Factor 12	0.15	0.85
Factor 13	0.15	0.85
Factor 14	0.15	0.85
Factor 15	0.15	0.85
Factor 16	0.15	0.85
Factor 17	0.15	0.85
Factor 18	0.15	0.85
Factor 19	0.15	0.85
Factor 20	0.15	0.85
Factor 21	0.15	0.85
Factor 22	0.15	0.85
Factor 23	0.15	0.85
Factor 24	0.15	0.85
Factor 25	0.15	0.85
Factor 26	0.15	0.85
Factor 27	0.15	0.85
Factor 28	0.15	0.85
Factor 29	0.15	0.85
Factor 30	0.15	0.85
Factor 31	0.15	0.85
Factor 32	0.15	0.85
Factor 33	0.15	0.85
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Factor 69	0.15	0.85
Factor 70	0.15	0.85
Factor 71	0.15	0.85
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Factor 74	0.15	0.85
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Factor 78	0.15	0.85
Factor 79	0.15	0.85
Factor 80	0.15	0.85
Factor 81	0.15	0.85
Factor 82	0.15	0.85
Factor 83	0.15	0.85
Factor 84	0.15	0.85
Factor 85	0.15	0.85
Factor 86	0.15	0.85
Factor 87	0.15	0.85
Factor 88	0.15	0.85
Factor 89	0.15	0.85
Factor 90	0.15	0.85
Factor 91	0.15	0.85
Factor 92	0.15	0.85
Factor 93	0.15	0.85
Factor 94	0.15	0.85
Factor 95	0.15	0.85
Factor 96	0.15	0.85
Factor 97	0.15	0.85
Factor 98	0.15	0.85
Factor 99	0.15	0.85
Factor 100	0.15	0.85

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Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee

N.1.14 - UPS - UNI/NNI FRS CIR - 512 - 768 KBPS

Land - COE Buildings - COE	9/28/99	<u>FRC</u> 20C	<u>Investment</u> \$2.3329 = Sum of Col C \$53.0010 = Sum of Col E	A=Prev Page Col G		B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
		10C		Sub									
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock		<u>FRC</u> 377C	<u>Investment</u> \$409.2743	<u>Land Factor</u> 0.0057	<u>Land Investment</u> \$2.3329	<u>Building Factor</u> 0.1295	<u>Building Investment</u> \$53.0010	<u>Pole Factor</u> 0.0000	<u>Pole Investment</u> \$0.0000	<u>Conduit Factor</u> 0.0000	<u>Conduit Investment</u> \$0.0000		
					<u>\$2.3329</u>		<u>\$53.0010</u>		<u>\$0.0000</u>		<u>\$0.0000</u>		<u>\$0.0000</u>

000088

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.14 - UPS - UN/NNI FRS CIR - 512 - 768 KBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
		Depreciation Factor	Depreciation	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	IELRIC
Land - COE	FRC 20C	\$2.3329	\$0.0000	0.0993	\$0.2317	0.0449	\$0.1047	0.0000	\$0.0000	0.0116	\$0.0272	\$0.3635	0.0000	\$0.0000	\$0.3635
Buildings - COE	10C	\$53.0010	0.0230	0.0780	\$4.1332	0.0352	\$1.8678	0.0696	\$3.6890	0.0116	\$0.6171	\$11.5273	0.0000	\$0.0000	\$11.5273
Digital Elec Switch	377C	\$409.2743	0.0565	0.0667	\$27.2826	0.0301	\$12.3292	0.0367	\$15.0269	0.0116	\$4.7652	\$82.5159	0.0000	\$0.0000	\$82.5159
Annual Total		<u>\$464.6082</u>										<u>\$94.4067</u>		<u>\$0.0000</u>	<u>\$94.4067</u>
Monthly Total (Annual Total / 12)												\$7.8672		\$0.0000	\$7.8672

000089

Recurring Cost Summary

Tennessee
N.1.15 - UPS - UNI/NNI FRS CIR - 768 - 1.536 MBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$15.7345	\$0.0000	\$15.7345			\$0.0000
Total Monthly Cost	\$15.7345	\$0.0000	\$15.7345	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$15.7852			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$18.1530			\$0.0000

Total Monthly Economic Cost : \$18.1530

9/28/99

000090

000091

A

N.1.15 - UPS - UNI/NNI FRS CIR - 768 - 1.536 MBPS

A

$$C = Ax$$

D1

D2

D3

D4

D5

$$E=C_x(D_1 \times D_2)$$

۷

$$G = E \times F$$
[illegible]

In-Plant Factors (Default = 1)

Inventory	Factor
	1.0606

**Adjusted
Material
\$651.4115**

Inflation
Factor
0.9833

<u>Material</u>	\$662.4971

$$\frac{\text{Sub FRC}}{10}$$
FRC
377C

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

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Adjusted Material 351.4115

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Inflation Factor
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Material
362.497

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**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee

N.1.15 - UPS - UNI/NNI FRS CIR - 768 - 1.536 MBPS

Land - COE Buildings - COE	FRC 20C 10C	Investment \$4.6657 = Sum of Col C \$106.0021 = Sum of Col E								
		A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
9/28/99			Land Factor 0.0057	Land Investment \$4.6657	Building Factor 0.1295	Building Investment \$106.0021	Pole Factor 0.0000	Pole Investment \$0.0000	Conduit Factor 0.0000	Conduit Investment \$0.0000
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	FRC 377C	Sub FRC 10		\$4.6657		\$106.0021				

000092

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.15 - UPS - UN/NNI FRS CIR - 768 - 1,536 MBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
		Depreciation Factor	Depreciation	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	IELRIC
Land - COE	FRC 20C	\$4.6657	\$0.0000	0.0993	\$0.4633	0.0449	\$0.2094	0.0000	\$0.0000	0.0116	\$0.0543	\$0.7270	0.0000	\$0.0000	\$0.7270
Buildings - COE	10C	\$106.0021	\$2.4405	0.0780	\$6.2664	0.0352	\$3.7356	0.0696	\$7.3780	0.0116	\$1.2342	\$23.0546	0.0000	\$0.0000	\$23.0546
Digital Elec Switch	377C	\$818.5487	\$46.2239	0.0667	\$54.5653	0.0301	\$24.6584	0.0367	\$30.0538	0.0116	\$9.5304	\$165.0318	0.0000	\$0.0000	\$165.0318
Annual Total		<u>\$929.2164</u>										<u>\$188.8134</u>		<u>\$0.0000</u>	<u>\$188.8134</u>
Monthly Total (Annual Total / 12)												\$15.7345		\$0.0000	\$15.7345

000093

Recurring Cost Summary

Tennessee
N.1.16 - UPS - UNI/NNI FRS CIR - 1.536 - 4 MBPS

	<u>Volume Sensitive</u>		<u>Volume Insensitive</u>	
	Direct Cost	Shared Cost	Direct Cost	Shared Cost
Recurring Cost Devel. Sheets Cols L, N, & O	\$39,3361	\$0.0000		
Total Monthly Cost	\$39,3361	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			X	X
Cost (including Gross Receipts Tax)			\$39,4630	\$0.0000
Common Cost Factor			X	X
Monthly Economic Cost			1,1500	1,1500
			\$45.3825	\$0.0000

Total Monthly Economic Cost : \$45.3825

000094

66/87/6

N.1.16 - UPS - UNI/NNI FRS CIR - 1.536 - 4 MBPS

[illegible]

000095

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee

N.1.16 - UPS - UNI/NNI FRS CIR - 1.536 - 4 MBPS

Land - COE Buildings - COE 9/28/99	FRC 20C 10C	Investment \$11.6643 = Sum of Col C \$265.0051 = Sum of Col E	A=Prev Page		B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
			Col G									
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	FRC 377C	Sub FRC 10	Investment \$2,046.3717	Land Factor 0.0057	Land Investment \$11.6643	Building Factor 0.1295	Building Investment \$265.0051	Pole Factor 0.0000	Pole Investment \$0.0000	Conduit Factor 0.0000	Conduit Investment \$0.0000	
					\$11.6643		\$265.0051		\$0.0000		\$0.0000	

000096

**Recurring Cost Development
Volume Sensitive**

Tennessee
N.1.16 - UPS - UN/NNI FRS CIR - 1.536 - 4 MBPS

9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+M)
		Depreciation Factor	Depreciation	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	IELRIC
Land - COE	FRC 20C	\$11.6643	\$0.0000	0.0993	\$1.1583	0.0449	\$0.5234	0.0000	\$0.0000	0.0116	\$0.1358	\$1.8175	0.0000	\$0.0000	\$1.8175
Buildings - COE	10C	\$265.0051	0.0230	0.0780	\$20.6659	0.0352	\$9.3390	0.0696	\$18.4449	0.0116	\$3.0855	\$57.6366	0.0000	\$0.0000	\$57.6366
Digital Elec Switch	377C	\$2,046.3717	0.0565	0.0667	\$136.4132	0.0301	\$61.6459	0.0367	\$75.1346	0.0116	\$23.8259	\$412.5794	0.0000	\$0.0000	\$412.5794
Annual Total		<u>\$2,323.0411</u>										<u>\$472.0335</u>		<u>\$0.0000</u>	<u>\$472.0335</u>
Monthly Total (Annual Total / 12)												\$39.3361		\$0.0000	\$39.3361

000097

Recurring Cost Summary

Tennessee
N.1.17 - UPS - UNI/NNI FRS CIR - 4 - 10 MBPS

	<u>Volume Sensitive</u>		<u>Volume Insensitive</u>	
	Direct Cost	Shared Cost	Direct Cost	Shared Cost
Recurring Cost Devel. Sheets Cols L, N, & O	\$99.6515	\$0.0000	\$0.0000	
Total Monthly Cost	\$99.6515	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X		X
Cost (including Gross Receipts Tax)		\$1.0032		\$1.0032
Common Cost Factor		X		X
Monthly Economic Cost		\$1.1500		\$1.1500
		\$114.9689		\$0.0000

Total Monthly Economic Cost : \$114.9689

000098

000099

9/28/99

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

Land, Building, Pole, and Conduit Investment Development
Volume Sensitive

Tennessee

N.1.17 - UPS - UNI/INI FRS CIR - 4 - 10 MBPS

Land - COE Buildings - COE 9/28/99	FRC 20C 10C	Investment \$29,5496 = Sum of Col C \$671,3463 = Sum of Col E	A=Prev Page Col G	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock	FRC 377C	Sub FRC 10	Investment \$5,184,1415	Land Factor 0.0057	Land Investment \$29,5496	Building Factor 0.1295	Building Investment \$671,3463	Pole Factor 0.0000	Pole Investment \$0.0000	Conduit Factor 0.0000	Conduit Investment \$0.0000
					\$29,5496		\$671,3463		\$0.0000		\$0.0000

000100

Recurring Cost Development
Volume Sensitive

Tennessee
N.1.17 - UPS - UN/NNI FRS CIR - 4 - 10 MBPS

9/28/99	A=Prov Page Col A	B	C=(A*B)	D	E=(A*D)	F	G=(A*F)	H	I=(A*H)	J	K=(A*K)	L=(C+E*G+ I*K)	M	N=(A*M)	O=(L*N)
		Depreciation Factor	Depreciation Factor	Cost of Money Factor	Cost of Money Factor	Income Tax Factor	Income Tax Factor	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Direct Cost	Shared Cost Factor	Shared Cost	TELRIC
Land - COE	FRC 20C	\$29,549.6	\$0.0000	\$0.0923	\$2,934.3	0.0449	\$1,326.0	0.0000	\$0.0000	0.0116	\$0.3440	\$4,604.3	0.0000	\$0.0000	\$4,604.3
Buildings - COE	10C	\$671,346.3	\$15,456.6	0.0780	\$52,353.6	0.0352	\$23,658.9	0.0696	\$46,727.0	0.0116	\$7,816.5	\$146,012.7	0.0000	\$0.0000	\$146,012.7
Digital Elec Switch	377C	\$5,184,141.5	\$292,751.5	0.0667	\$345,580.1	0.0301	\$156,169.7	0.0367	\$190,340.9	0.0116	\$60,359.0	\$1,045,201.2	0.0000	\$0.0000	\$1,045,201.2
Annual Total		<u>\$5,685,037.5</u>										<u>\$1,195,818.2</u>		<u>\$0.0000</u>	<u>\$1,195,818.2</u>
Monthly Total (Annual Total / 12)												\$99,651.5		\$0.0000	\$99,651.5

000101

Recurring Cost Summary

Tennessee
N.1.18 - UPS - UNI/NNI FRS CIR - 10 - 16 MBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$159.3113	\$0.0000	\$159.3113			\$0.0000
Total Monthly Cost	\$159.3113	\$0.0000	\$159.3113	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$159.8252			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$183.7990			\$0.0000

Total Monthly Economic Cost : \$183.7990

000102

000103

N.1.18 - UPS - UNI/NNI FRS CIR - 10 - 16 MBPS

Total Investment
287.8052

\$8,287.8052

Page 2

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

**Tennessee
N.1.18 - UPS - UN/INI FRS CIR - 10 - 16 MBPS**

Land - COE Buildings - COE 9/28/99	FRC 20C 10C	Investment \$47,2405 = Sum of Col C \$1,073.2708 = Sum of Col E	A=Prev Page Col G		B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
			Land	Land	Land	Land	Building	Building	Pole	Pole	Conduit	Conduit
	FRC 377C	Sub FRC 10	Factor 0.0057	Investment \$8,287.8052	Factor 0.1295	Investment \$47.2405	Factor 0.1295	Investment \$1,073.2708	Factor 0.0000	Investment \$0.0000	Factor 0.0000	Investment \$0.0000
Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock						\$47.2405		\$1,073.2708		\$0.0000		\$0.0000

000104

**Recurring Cost Development
Volume Sensitive**

Tennessee																
N.1.18 - UPS - UNINNI FRS CIR - 10 - 16 MBPS																
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(Ax F)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(LxN)	

000105

Recurring Cost Summary

Tennessee
N.1.19 - UPS - UNI/NNI FRS CIR - 16 - 34 MBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$338.8152	\$0.0000	\$338.8152			\$0.0000
Total Monthly Cost	\$338.8152	\$0.0000	\$338.8152	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor		X	1.0032		X	1.0032
Cost (including Gross Receipts Tax)			\$339.9082			\$0.0000
Common Cost Factor		X	1.1500		X	1.1500
Monthly Economic Cost			\$390.8944			\$0.0000

Total Monthly Economic Cost : \$390.8944

000106

9/28/99

Tennessee
N.1.19 - UPS - UNI/NNI FRS CIR - 16 - 34 MBPS

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

Page 2

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

**Tennessee
N.1.19 - UPS - UNI/INI FRS CIR - 16 - 34 MBPS**

FRC
20C
10C

Investment
\$100,4687 = Sum of Col C
\$2,282,5775 = Sum of Col E

Land - COE
Buildings - COE

9/28/99

A=Prev Page Col G		B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)
Sub FRC	Investment	Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment	Conduit Factor	Conduit Investment
10	\$17,626,0813	0.0057	\$100,4687	0.1295	\$2,282,5775	0.0000	\$0.0000	0.0000	\$0.0000
377C			<u>\$100,4687</u>		<u>\$2,282,5775</u>		<u>\$0.0000</u>		<u>\$0.0000</u>

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp Stock

000108

Recurring Cost Development
Volume Sensitive

Tennessee															
N.1.19 - UPS - UNINNI FRS CIR - 16 - 34 MBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(AxF)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(L+N)
		FRC	Investment	Depreciation Factor	Cost of Money Factor	Cost of Money	Income Tax Factor	Income Tax	Plant Specific Factor	Plant Specific Expense	Ad Valorem Factor	Ad Valorem Expense	Shared Cost Factor	Shared Cost	IELRIC
Land - COE		20C	\$100.4687	0.0000	0.0993	\$9.9765	0.0449	\$4.5085	0.0000	\$0.0000	0.0116	\$1.1698	0.0000	\$0.0000	\$15.6548
Buildings - COE		10C	\$2,282.5775	0.0230	0.0780	\$178.0024	0.0352	\$80.4403	0.0696	\$158.8720	0.0116	\$26.5761	0.0000	\$0.0000	\$496.4431
Digital Elec Switch		377C	\$17,626.0813	0.0565	0.0667	\$1,174.9724	0.0301	\$530.9769	0.0367	\$647.1592	0.0116	\$205.2205	0.0000	\$0.0000	\$3,553.6841
Annual Total			<u>\$20,008.1275</u>									<u>\$4,065.7820</u>		<u>\$0.0000</u>	<u>\$4,065.7820</u>
Monthly Total (Annual Total / 12)															\$338.8152

000109

Recurring Cost Summary

Tennessee
N.1.20 - UPS - UNI/NNI FRS CIR - 34 - 44.210 MBPS

	<u>Volume Sensitive</u>			<u>Volume Insensitive</u>		
	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Devel. Sheets Cols L, N, & O	\$440.5646	\$0.0000	\$440.5646			\$0.0000
Total Monthly Cost	\$440.5646	\$0.0000	\$440.5646	\$0.0000	\$0.0000	\$0.0000
Gross Receipts Tax Factor			X 1.0032			X 1.0032
Cost (including Gross Receipts Tax)			\$441.9859			\$0.0000
Common Cost Factor			X 1.1500			X 1.1500
Monthly Economic Cost			\$508.2838			\$0.0000

Total Monthly Economic Cost : \$508.2838

000110

**Land, Building, Pole, and Conduit Investment Development
Volume Sensitive**

Tennessee

N.1.20 - UPS - UNI/NNI FRS CIR - 34 - 44.210 MBPS

Investment
\$130.6404 = Sum of Col C
\$2,968.0575 = Sum of Col E

FRS
20C
10C

Land - COE
Buildings - COE

9/28/99

Sub FRS 10
FRS 377C

A=Prev Page Col G
Investment \$22,919.3626

Digital Elec Switch - C.O. Def. Plug-In - SE&P w/Sp. Stock

B	C=(Ax8)	D	E=(AxU)	F	G=(AxF)	H	I=(AxH)
Land Factor	Land Investment	Building Factor	Building Investment	Pole Factor	Pole Investment	Conduit Factor	Conduit Investment
0.0057	\$130.6404	0.1295	\$2,968.0575	0.0000	\$0.0000	0.0000	\$0.0000
	<u>\$130.6404</u>		<u>\$2,968.0575</u>		<u>\$0.0000</u>		<u>\$0.0000</u>

000112

Recurring Cost Development
Volume Sensitive

Tennessee															
N.1.20 - UPS - UNINNI FRS CIR - 34 - 44.210 MBPS															
9/28/99	A=Prev Page Col A	B	C=(AxB)	D	E=(AxD)	F	G=(Ax F)	H	I=(AxH)	J	K=(AxJ)	L=(C+E+G+ I+K)	M	N=(AxM)	O=(LxN)

000113

Nonrecurring Cost Summary

Tennessee
N.1.21 - UPS - UNI/NNI FRS CIR - Feature Change

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$22.1162	\$0.0000	\$22.1162
Total Cost	\$22.1162	\$0.0000	\$22.1162
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$22.1876
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$22.1876

000114

Nonrecurring Cost Development

Tennessee
N.1.21 - UPS - UN/INNI FRS CIR - Feature Change

9/28/99	A		B		C		D=AxC		E=BxC		F		G=ExF		H=D+G	
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost						
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475						
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.3333	0.0000	\$38.31	\$12.7687	\$0.0000	1.1187	\$0.0000	\$12.7687						
									Total	22.116223						
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC						
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475						
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.3333	0.0000	\$38.31	\$12.7687	\$0.0000	1.1187	\$0.0000	\$12.7687						
									Total	22.116223						

000115

Nonrecurring Cost Summary

Tennessee
N.1.22 - UPS - UNI/NNI FRS CIR - Transfer of Service

9/28/99	Nonrecurring Cost			
	Direct Cost	Shared Cost	TELRIC	
Nonrecurring Cost Development Sheet Col H	\$9,3475	\$0.0000		\$9,3475
Total Cost	\$9,3475	\$0.0000		\$9,3475
Gross Receipts Tax Factor			X	1.0032
Cost (including Gross Receipts Tax)				\$9,3777
Common Cost Factor			X	1.0000
Nonrecurring Economic Cost				\$9,3777

Nonrecurring Cost Development

Tennessee
N.1.22 - UPS - UNI/INI FRS CIR - Transfer of Service

9/28/99	H=D+G									
	A		B		C	D=AxC		E=BxC	F	G=ExF
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475
									Total	9.3475
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.2500	0.0000	\$37.39	\$9.3475	\$0.0000	1.1187	\$0.0000	\$9.3475
									Total	9.3475

000117

Nonrecurring Cost Summary

Tennessee
N.1.199 - UPS - UNI/NNI FRS 56 KBPS - Disconnect

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$54,3714	\$0.0000	\$54.3714
Total Cost	\$54.3714	\$0.0000	\$54.3714
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$54.5468
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$54.5468

000118

Nonrecurring Cost Development

Tennessee
N.1.199 - UPS - UNI/NNI FRS 56 KBPS - Disconnect

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.1800	\$38.31	\$0.0000	\$6.8958	1.1187	\$7.7144	\$7.7144
Total									54.37143112	54.37143112

9/28/99

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.1800	\$38.31	\$0.0000	\$6.8958	1.1187	\$7.7144	\$7.7144
Total									54.37143112	54.37143112

000119

Nonrecurring Cost Summary

Tennessee
N.1.299 - UPS - UNI/NNI FRS 64 KBPS - Disconnect

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$54.3714	\$0.0000	\$54.3714
Total Cost	\$54.3714	\$0.0000	\$54.3714
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$54.5468
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$54.5468

000120

Nonrecurring Cost Development

Tennessee
N.1.295 - UPS - UNI/NNI FRS 64 KBPS - Disconnect

9/28/99	A			B	C	D=AxC		E=BxC	F	G=ExF	H=D+G
Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost	
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728	
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290	
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225	
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886	
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441	
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.1800	\$38.31	\$0.0000	\$6.8958	1.1187	\$7.7144	\$7.7144	
									Total	54.37143112	

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.1800	\$38.31	\$0.0000	\$6.8958	1.1187	\$7.7144	\$7.7144
									Total	54.37143112

000121

Nonrecurring Cost Summary

Tennessee
N.1.399 - UPS - UNI/NNI FRS 1.536 MBPS - Disconnect

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$46.6570	\$0.0000	\$46.6570
Total Cost	\$46.6570	\$0.0000	\$46.6570
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$46.8075
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$46.8075

000122

Nonrecurring Cost Development

Tennessee
N.1.399 - UPS - UNI/NNI FRS 1.536 MBPS - Disconnect

9/28/99	A			B	C	D=AxC	E=BxC	F	G=ExF	H=D+G
Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Disconnect Factor	Discounted Disconnect Cost	Direct Cost
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
									Total	46.6570014

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5000	\$38.31	\$0.0000	\$19.1550	1.1187	\$21.4290	\$21.4290
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
									Total	46.6570014

000123

Nonrecurring Cost Summary

Tennessee
N.1.499 - UPS - UNI/NNI FRS 44.210 MBPS - Disconnect

9/28/99

Nonrecurring Cost

	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Sheet Col H	\$57.3715	\$0.0000	\$57.3715
Total Cost	\$57.3715	\$0.0000	\$57.3715
Gross Receipts Tax Factor			1.0032
Cost (including Gross Receipts Tax)			\$57.5566
Common Cost Factor			1.0000
Nonrecurring Economic Cost			\$57.5566

000124

Nonrecurring Cost Development

Tennessee
N.1.499 - UPS - UNI/NNI FRS 44.210 MBPS - Disconnect

9/28/99	A			B		C		D=AxC		E=BxC		F		G=ExF		H=D+G	
	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	Direct Cost							
	Service Order	2850 Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728							
	Connect & Test	471X Acc Cust Advocate Cntr (ACAC)	0.0000	0.7500	\$38.31	\$0.0000	\$28.7325	1.1187	\$32.1435	\$32.1435							
	Service Order	4WXX Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225							
	Connect & Test	431X CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886							
	Engineering	470X Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441							
									Total	57.37148713							

Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Discount Factor	Discounted Disconnect Cost	TELRIC
Service Order	2850	Bus Ofc Svc Rep - Business	0.0000	0.1667	\$37.39	\$0.0000	\$6.2329	1.1187	\$6.9728	\$6.9728
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.7500	\$38.31	\$0.0000	\$28.7325	1.1187	\$32.1435	\$32.1435
Service Order	4WXX	Work Management Center (WMC)	0.0000	0.0500	\$34.37	\$0.0000	\$1.7185	1.1187	\$1.9225	\$1.9225
Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac	0.0000	0.3333	\$42.88	\$0.0000	\$14.2919	1.1187	\$15.9886	\$15.9886
Engineering	470X	Circuit Provisioning Group (CPG)	0.0000	0.0083	\$37.06	\$0.0000	\$0.3076	1.1187	\$0.3441	\$0.3441
									Total	57.37148713

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Nonrecurring Cost Summary

Tennessee
N.1.599 - UPS - UNI/NNI FRS - DLCI Additional - Disconnect

9/28/99	Nonrecurring Cost			
	Direct Cost	Shared Cost	TELRIC	
Nonrecurring Cost Development Sheet Col H	\$24.9990	\$0.0000		\$24.9990
Total Cost	\$24.9990	\$0.0000		\$24.9990
Gross Receipts Tax Factor			X	1.0032
Cost (including Gross Receipts Tax)				\$25.0797
Common Cost Factor			X	1.0000
Nonrecurring Economic Cost				\$25.0797

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Nonrecurring Cost Development

Tennessee
N.1.599 - UPS - UNI/NNI FRS - DLCI Additional - Disconnect

Function	JFC/ Payband	JFC/Payband Description	A	B	C	D=AxC	E=BxC	F	G=ExF	H=D+G
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	Installation Worktime	Disconnect Worktime	Direct Labor Rate	Install Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost	Direct Cost
			0.0000	0.5833	\$38.31	\$0.0000	\$22.3462	1.1187	\$24.9990	\$24.9990
									Total	24.99903809
Function	JFC/ Payband	JFC/Payband Description	Installation Worktime	Disconnect Worktime	TELRIC Labor Rate	Install Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost	TELRIC
Connect & Test	471X	Acc Cust Advocate Cntr (ACAC)	0.0000	0.5833	\$38.31	\$0.0000	\$22.3462	1.1187	\$24.9990	\$24.9990
									Total	24.99903809

000127

A	B	C	D	E	F	G
State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
TN	N.1	UNBUNDLED PACKET SWITCHING FRAME RELAY				
		UPS - UN/INI FRS 56 KBPS				
		Base System (e/w CPU,Pwr,Fan)				
		Material Price	Network Planning & Support		377C	09
		Projected Actual Utilization - Slot	Network Planning & Support	12		
		Number of Usable Slots	Network Planning & Support			
		DS0 Utilization on 4-Port Card	Network Planning & Support	96		
		Number of DS0s per 4-port card	Network Planning & Support			
		Redundant Fan				
		Material Price	Network Planning & Support		377C	08
		Projected Actual Utilization - Slot	Network Planning & Support	12		
		Number of Usable Slots	Network Planning & Support			
		DS0 Utilization on 4-Port Card	Network Planning & Support	96		
		Number of DS0s per 4-port card	Network Planning & Support			
		Redundant CPU				
		Material Price	Network Planning & Support		377C	08
		Projected Actual Utilization - Slot	Network Planning & Support	12		
		Number of Usable Slots	Network Planning & Support			
		DS0 Utilization on 4-Port Card	Network Planning & Support	96		
		Number of DS0s per 4-port card	Network Planning & Support			
		Redundant Power Supply				
		Material Price	Network Planning & Support		377C	08
		Projected Actual Utilization - Slot	Network Planning & Support	12		
		Number of Usable Slots	Network Planning & Support			
		DS0 Utilization on 4-Port Card	Network Planning & Support	96		
		Number of DS0s per 4-port card	Network Planning & Support			
		23" Rack Mount Kit				
		Material Price	Network Planning & Support		377C	07
		Projected Actual Utilization - Slot	Network Planning & Support			
		Number of Usable Slots	Network Planning & Support	12		
		DS0 Utilization on 4-Port Card	Network Planning & Support			
		Number of DS0s per 4-port card	Network Planning & Support	96		
		HSSI Card (Trunking)				
		Material Price	Network Planning & Support		377C	08
		Projected Actual Utilization	Network Planning & Support			
		Number of Usable Slots	Network Planning & Support	12		
		DS0 Utilization on 4-Port Card	Network Planning & Support			
		Number of DS0s per 4-port card	Network Planning & Support	96		
		Number Required	Network Planning & Support	2		
		4-Port Bundled I/O Card w/spare				
		Material Price	Network Planning & Support		377C	10
		DS0 Utilization on 4-Port Card	Network Planning & Support			
		% Allocated to CIR	Network Planning & Support	20.00%		

Private/Proprietary:
No disclosure outside BellSouth except by written agreement

A	B	C	D	E	F	G
State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1		Number of DS0s per 4-port card	Network Planning & Support	96		
2		Panel	Network Planning & Support			
47		Material Price	Network Planning & Support			
48		DS1's per Panel	Network Planning & Support	120		
49		Projected Actual Util - Panel DS1	Network Planning & Support			
50		DS0 Utilization per DS1	Network Planning & Support		377C	07
51		Number of DS0s per DS1	Network Planning & Support	24		
52		DSX-1 Termination	Network Planning & Support			
53		Material Price	Fundamental Group			
54		Projected Actual Utilization-DS0 Field Side	Fundamental Group		357C	03
55		Projected Actual Utilization-DS0 C.O. Side	Fundamental Group			
56		Number Required	Fundamental Group	2		
57		Number of DS0's per DS1Port	Fundamental Group	24		
58		DCS Port - DS1	Fundamental Group			
59		Material Price	Fundamental Group		357C	15
60		Projected Actual Utilization-DS0 Field Side	Fundamental Group			
61		Projected Actual Utilization-DS0 C.O. Side	Fundamental Group			
62		Number Required	Fundamental Group	1		
63		Number of DS0's per DS1Port	Fundamental Group	24		
64		D4 Channel Bank Term. per DS0 Port-Hardwired	Fundamental Group			
65		Material Price	Fundamental Group		357C	03
66		Projected Actual Utilization	Fundamental Group			
67		Number Required	Fundamental Group	1		
68		D4 Channel Bank Term. per DS0 Port-Com Eqpt.-Plug	Fundamental Group			
69		Material Price	Fundamental Group		357C	06
70		Projected Actual Utilization	Fundamental Group			
71		Number Required	Fundamental Group	1		
72		D4 Channel Bank Term. per DS0 Port-OCU-OP Plug	Fundamental Group			
73		Material Price	Fundamental Group		357C	09
74		Projected Actual Utilization	Fundamental Group			
75		Number Required	Network Planning & Support	1		
76		UPS - UNI/NNI FRS 64 KBPS	Network Planning & Support			
77		Base System(ew CPU,Pwr,Fan)	Network Planning & Support			
78	N.1.1	Material Price	Network Planning & Support			
79	N.1.2	Projected Actual Utilization - Slot	Network Planning & Support		377C	09
80		Number of Usable Slots	Network Planning & Support	12		
81		DS0 Utilization on 4-Port Card	Network Planning & Support			
82		Number of DS0s per 4-port card	Network Planning & Support	96		
83		Redundant Fan	Network Planning & Support			
84		Material Price	Network Planning & Support		377C	08
85		Projected Actual Utilization - Slot	Network Planning & Support			
86		Number of Usable Slots	Network Planning & Support	12		
87		DS0 Utilization on 4-Port Card	Network Planning & Support			
88						
89						
90						

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A	B	C	D	E	F	G
State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1		Number of DSOs per 4-port card	Network Planning & Support	96		
2		Redundant CPU				
91		Material Price	Network Planning & Support		377C	08
92		Projected Actual Utilization - Slot	Network Planning & Support	12		
93		Number of Usable Slots	Network Planning & Support			
94		DSO Utilization on 4-Port Card	Network Planning & Support	96		
95		Number of DSOs per 4-port card	Network Planning & Support			
96		Redundant Power Supply				
97		Material Price	Network Planning & Support		377C	08
98		Projected Actual Utilization - Slot	Network Planning & Support	12		
99		Number of Usable Slots	Network Planning & Support			
100		DSO Utilization on 4-Port Card	Network Planning & Support	96		
101		Number of DSOs per 4-port card	Network Planning & Support			
102		23" Rack Mount Kit				
103		Material Price	Network Planning & Support		377C	07
104		Projected Actual Utilization - Slot	Network Planning & Support	12		
105		Number of Usable Slots	Network Planning & Support			
106		DSO Utilization on 4-Port Card	Network Planning & Support	96		
107		Number of DSOs per 4-port card	Network Planning & Support			
108		HSSI Card(Trunking)				
109		Material Price	Network Planning & Support		377C	08
110		Projected Actual Utilization - Slot	Network Planning & Support	12		
111		Number of Usable Slots	Network Planning & Support			
112		DSO Utilization on 4-Port Card	Network Planning & Support	96		
113		Number of DSOs per 4-port card	Network Planning & Support	2		
114		Number Required				
115		4-Port Bundled I/O Card w/spare				
116		Material Price	Network Planning & Support		377C	10
117		DSO Utilization on 4-Port Card	Network Planning & Support	20.00%		
118		% Allocated to CIR	Network Planning & Support	96		
119		Number of DSOs per 4-port card	Network Planning & Support		377C	07
120		Panel				
121		Material Price	Network Planning & Support	120		
122		DSI's per Panel	Network Planning & Support			
123		Projected Actual Util - Panel DS1	Network Planning & Support			
124		DSO Utilization per DS1	Network Planning & Support	24		
125		Number of DSOs per DS1	Network Planning & Support			
126		DSX-1 Termination				
127		Material Price	Fundamental Group		357C	03
128		Projected Actual Utilization-DS0 Field Side	Fundamental Group			
129		Number Required	Fundamental Group	2		
130		Number of DSO's per DS1Port	Fundamental Group	24		
131		DCS Port - DS1				
132						
133						
134						

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A	B	C	D	E	F	G
Slate	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1						15
2						
135		Material Price	Fundamental Group		357C	
136		Projected Actual Utilization-DS0 Field Side	Fundamental Group			
137		Projected Actual Utilization-DS0 C.O. Side	Fundamental Group			
138		Number Required	Fundamental Group	1		
139		Number of DSO's per DS1Port	Fundamental Group	24		
140		D4 Channel Bank Term. per DS0 Port-Hardwired				
141		Material Price	Fundamental Group		357C	03
142		Projected Actual Utilization	Fundamental Group			
143		Number Required	Fundamental Group	1		
144		D4 Channel Bank Term. per DS0 Port-Com Eqpt.-Plug				
145		Material Price	Fundamental Group		357C	06
146		Projected Actual Utilization	Fundamental Group			
147		Number Required	Fundamental Group	1		
148		D4 Channel Bank Term. per DS0 Port-OCU-DP Plug				
149		Material Price	Fundamental Group		357C	09
150		Projected Actual Utilization	Fundamental Group			
151		Number Required	Fundamental Group	1		
152	N.1.2	DS0 Utilization on DSX-1,DCS Port	Network Planning & Support			
153	N.1.3	UPS - UNI/NNI FRS 1.536 MBPS				
154		Base System(e/w CPU,Pwr, Fan)				
155		Material Price	Network Planning & Support		377C	09
156		Projected Actual Utilization - Slot	Network Planning & Support			
157		Number of Usable Slots	Network Planning & Support	12		
158		DS1 Utilization on 10-Port Card	Network Planning & Support			
159		Number DS1Ports per 10-port Card	Network Planning & Support	10		
160		Redundant Fan				
161		Material Price	Network Planning & Support		377C	08
162		Projected Actual Utilization - Slot	Network Planning & Support			
163		Number of Usable Slots	Network Planning & Support	12		
164		DS1 Utilization on 10-Port Card	Network Planning & Support			
165		Number DS1Ports per 10-port Card	Network Planning & Support	10		
166		Redundant CPU				
167		Material Price	Network Planning & Support		377C	08
168		Projected Actual Utilization - Slot	Network Planning & Support			
169		Number of Usable Slots	Network Planning & Support	12		
170		DS1 Utilization on 10-Port Card	Network Planning & Support			
171		Number DS1Ports per 10-port Card	Network Planning & Support	10		
172		Redundant Power Supply				
173		Material Price	Network Planning & Support		377C	08
174		Projected Actual Utilization - Slot	Network Planning & Support			
175		Number of Usable Slots	Network Planning & Support	12		
176		DS1 Utilization on 10-Port Card	Network Planning & Support			
177		Number DS1Ports per 10-port Card	Network Planning & Support	10		
178		23" Rack Mount Kit				

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A	B	C	D	E	F	G
State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1						07
2						
179		Material Price	Network Planning & Support			
180		Projected Actual Utilization - Slot	Network Planning & Support			
181		Number of Usable Slots	Network Planning & Support	12		
182		DS1 Utilization on 10-Port Card	Network Planning & Support			
183		Number Ports per Slot	Network Planning & Support	10		
184		HSSI Card(Trunking)				
185		Material Price	Network Planning & Support			08
186		Projected Actual Utilization - Slot	Network Planning & Support		377C	
187		Number of Usable Slots	Network Planning & Support	12		
188		DS1 Utilization on 10-Port Card	Network Planning & Support			
189		Number DS1Ports per 10-port Card	Network Planning & Support	10		
190		Number Required	Network Planning & Support	2		
191		10-Port DS1 I/O Card w/spare				
192		Material Price	Network Planning & Support			10
193		DS1 Utilization on 10-Port Card	Network Planning & Support		377C	
194		% Allocated to CJR	Network Planning & Support	20.00%		
195		Number DS1Ports per 10-port Card	Network Planning & Support	10		
196		Panel				
197		Material Price	Network Planning & Support			07
198		DS1 Capacity per panel	Network Planning & Support	120	377C	
199		Projected Actual Util - Panel DS1	Network Planning & Support			
200		Number DS1s	Network Planning & Support	1		
201		DSX-1 Termination				
202		Material Price	Fundamental Group			03
203		Projected Actual Utilization	Fundamental Group		357C	
204		Number Required	Fundamental Group	1		
205						
206	TN	UPS - UN/INNI FRS 44.210 MBPS				
207	N.1.4	Base System(e/w CPU,Pwr,Fan)				
208		Material Price	Network Planning & Support			09
209		Projected Actual Utilization	Network Planning & Support		377C	
210		Number of Usable Slots	Network Planning & Support	12		
211		Number Ports per Slot	Network Planning & Support	1		
212		Redundant Fan				
213		Material Price	Network Planning & Support			08
214		Projected Actual Utilization	Network Planning & Support		377C	
215		Number of Usable Slots	Network Planning & Support	12		
216		Number Ports per Slot	Network Planning & Support	1		
217		Redundant CPU				
218		Material Price	Network Planning & Support			08
219		Projected Actual Utilization	Network Planning & Support		377C	
220		Number of Usable Slots	Network Planning & Support	12		
221		Number Ports per Slot	Network Planning & Support	1		
222		Redundant Power Supply				

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	A	B	C	D	E	F	G
	State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1			Material Price	Network Planning & Support			08
2			Projected Actual Utilization	Network Planning & Support			
223			Number of Usable Slots	Network Planning & Support	12		
224			Number Ports per Slot	Network Planning & Support	1		
225			23" Rack Mount Kit				
226			Material Price	Network Planning & Support			07
227			Projected Actual Utilization	Network Planning & Support			
228			Number of Usable Slots	Network Planning & Support	12		
229			Number Ports per Slot	Network Planning & Support	1		
230			HSSI Card(Trunking)				
231			Material Price	Network Planning & Support			08
232			Projected Actual Utilization	Network Planning & Support			
233			Number of Usable Slots	Network Planning & Support	12		
234			Number Ports per Slot	Network Planning & Support	1		
235			Number Required	Network Planning & Support	2		
236			HSSI Card w/spare				
237			Material Price	Network Planning & Support			10
238			Projected Actual Utilization	Network Planning & Support			
239			% Allocated to CIR	Network Planning & Support	20.00%		
240			Number of Ports per Card	Network Planning & Support	1		
241			Number Required	Network Planning & Support	1		
242			DSX3 Termination				
243			Material Price	Fundamental Group			03
244			Projected Actual Utilization	Fundamental Group			
245			Number Required	Fundamental Group	1		
246			Kentrox DataSmart Unit				
247			Material Price	Network Planning & Support			08
248			Projected Actual Utilization	Network Planning & Support			
249			Number Required	Network Planning & Support	1		
250			HSSI Cable				
251			Material Price	Network Planning & Support			08
252			Projected Actual Utilization	Network Planning & Support			
253			Number Required	Network Planning & Support	1		
254			UPS - UNI/NNI FRS - CIR				
255			4-Port Unbundled I/O Card				
256			Material Price	Network Planning & Support			10
257	TN	N.1.6-N.1.20	DS0 Utilization on 4-Port Card	Network Planning & Support			
258			% Allocated to CIR	Network Planning & Support	20.00%		
259			Number of DS0s per 4-port card	Network Planning & Support	96		
260			% of Ports	Network Planning & Support			
261			10-Port DS1 I/O Card w/spare				
262			Material Price	Network Planning & Support			10
263							
264							
265							
266							

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	A	B	C	D	E	F	G
	State	Cost Element #	Cost Unit	Source	Inputs	FRC	Sub FRC
1			DS1 Utilization on 10-Port Card	Network Planning & Support			
2			% Allocated to CIR	Network Planning & Support	20.00%		
267			Number Equiv. DS0s per Port	Network Planning & Support	24		
268			Number DS1Ports per 10-port Card	Network Planning & Support	10		
269			% of Ports	Network Planning & Support			
270			HSSI Card w/spare				
271			Material Price	Network Planning & Support		377C	10
272			Projected Actual Utilization	Network Planning & Support			
273			% Allocated to CIR	Network Planning & Support	20.00%		
274			Number of Ports per Card	Network Planning & Support	1		
275			Number Equiv. DS0s per Port	Network Planning & Support	672		
276			% of Ports	Network Planning & Support			
277			UPS - Application Software Per Port		Year 1	Year 2	Year 3
278			Cost per New Switch	Network Planning & Support			
279			Quantity	Network Planning & Support			
280			Growth Factor	Network Planning & Support			
281	TN	N.1.1	Cost per Existing Switch Addl Year	Network Planning & Support			
282		N.1.2	Quantity	Network Planning & Support			
283		N.1.3	Actual Projected Demand	Network Planning & Support			
284		N.1.4	Growth Factor	Network Planning & Support			
285			ATM Port Demand	Network Planning & Support			
286			UPS - DS1 Interoffice Facilities - Network Management System				
287			Facilities Termination - 357C 03	Fundamental Group	\$268,526	357C	03
288			Facilities Termination - 357C 06	Fundamental Group	\$1,567,121	357C	06
289			Facilities Termination - 357C 09	Fundamental Group	\$389,809	357C	09
290			Facilities Termination - 357C 15	Fundamental Group	\$4,634	357C	15
291			Facilities Per Airmile - 822C 00	Fundamental Group	\$2,536	822C	00
292			Facilities Per Airmile - 845C 00	Fundamental Group	\$0,791	845C	00
293			Facilities Per Airmile - 85C 00	Fundamental Group	\$2,251	85C	00
294			Total Circuit Airmiles - Region	Network Planning & Support	16,791		
295			# of Interoffice Circuits (DS1) - Region	Network Planning & Support	105		
296			# of DS1 Ports	Network Planning & Support	195		
297			# of Ports - Region	Network Planning & Support	Year 1	Year 2	Year 3
298			Growth Factor	Network Planning & Support			
299			ATM Port Demand - Region	Network Planning & Support			
300			Cost of Money	Study Assumption	9.93%		
301			Number of Years to Recovery Cost	Study Assumption	5		
302							
303							
304							
305							
306							
307							
308	TN	N.1.1 - N.1.4					
309							

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A	B	C	D	E	F	G	H	I	J	K	L	M	N
52	TN	N 1.199	UPS - UN/INNI FRS 46 KBPS - DISCONNECT	Service Order Connect & Test	DCSC - CSA 2850	42	0	0.1667					
53				Service Order	DCSC - MT 471X	42	0	0	0.5				
54				Service Order	WMC 4WXX	42	0	0	0.05				
55				Connect & Test	COWKGRP 431X	42	0	0.3333					
56				Engineering	CPG 470X	42	0	0.0083					
57				Service Inquiry	CCM 31XX	42	0	0					
58				Connect & Test	ACAC 471X	42	0	0.18					
59													
60	TN	N.1.289	UPS - UN/INNI FRS 64 KBPS - DISCONNECT	Service Order	DCSC - CSA 2850	42	0	0.1667					
61				Connect & Test	DCSC - MT 471X	42	0	0	0.5				
62				Service Order	WMC 4WXX	42	0	0	0.05				
63				Connect & Test	COWKGRP 431X	42	0	0.3333					
64				Engineering	CPG 470X	42	0	0.0083					
65				Service Inquiry	CCM 31XX	42	0	0					
66				Connect & Test	ACAC 471X	42	0	0.18					
67													
68													
69	TN	N.1.399	UPS - UN/INNI FRS 1.536 MBPS - DISCONNECT	Service Order	DCSC - CSA 2850	42	0	0.1667					
70				Connect & Test	DCSC - MT 471X	42	0	0	0.5				
71				Service Order	WMC 4WXX	42	0	0	0.05				
72				Connect & Test	COWKGRP 431X	42	0	0.3333					
73				Engineering	CPG 470X	42	0	0.0083					
74				Service Inquiry	CCM 31XX	42	0	0					
75				Connect & Test	ACAC 471X	42	0	0					
76													
77	TN	N.1.499	UPS - UN/INNI FRS 44.210 MBPS - DISCONNECT	Service Order	DCSC - CSA 2850	42	0	0.1667					
78				Connect & Test	DCSC - MT 471X	42	0	0	0.75				
79				Service Order	WMC 4WXX	42	0	0	0.05				
80				Connect & Test	COWKGRP 431X	42	0	0.3333					
81				Engineering	CPG 470X	42	0	0.0083					
82				Service Inquiry	CCM 31XX	42	0	0					
83				Connect & Test	ACAC 471X	42	0	0					
84													
85	TN	N.1.599	UPS - UN/INNI FRS - DLOJ Additional - DISCONNECT	Connect & Test	DCSC - MT 471X	42	0	0.5833					
86													
87													

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TELRIC INPUT FORM - MATERIAL/INVESTMENT DATA
Instructions:

1. Use this worksheet to record material and/or investments to be input into the TELRIC calculations.
2. All amounts shown are per unit (e.g., per call, per loop, per MOU).
3. Input data, by Cost Element, leaving no blank lines. On next row after last line of data, type END in Cost Element Column.
4. All data on this form should be cell-referenced to study workpapers.
5. Do NOT change columns, headings, sheet name.

State	Cost Element #	FRC	Sub FRC	Volume Sensitive \$ Amount	Volume Insensitive \$ Amount
TN	N.1.1	377C	10	\$176.959	
TN	N.1.1	377C	09	\$22.197	
TN	N.1.1	377C	08	\$75.471	
TN	N.1.1	377C	07	\$4.997	
TN	N.1.1	357C	03	\$85.058	
TN	N.1.1	357C	15	\$86.128	
TN	N.1.1	357C	06	\$33.917	
TN	N.1.1	357C	09	\$88.615	
TN	N.1.1	822C	00	\$0.557	
TN	N.1.1	845C	00	\$0.174	
TN	N.1.1	85C	00	\$0.494	
TN	N.1.2	377C	10	\$176.959	
TN	N.1.2	377C	09	\$22.197	
TN	N.1.2	377C	08	\$75.471	
TN	N.1.2	377C	07	\$4.997	
TN	N.1.2	357C	03	\$85.058	
TN	N.1.2	357C	15	\$86.128	
TN	N.1.2	357C	06	\$33.917	
TN	N.1.2	357C	09	\$88.615	
TN	N.1.2	822C	00	\$0.557	
TN	N.1.2	845C	00	\$0.174	
TN	N.1.2	85C	00	\$0.494	
TN	N.1.3	377C	10	\$1,482.796	
TN	N.1.3	377C	09	\$149.444	
TN	N.1.3	377C	08	\$508.109	
TN	N.1.3	377C	07	\$68.102	
TN	N.1.3	357C	03	\$15.820	
TN	N.1.3	357C	15	\$0.006	
TN	N.1.3	357C	06	\$2.152	
TN	N.1.3	357C	09	\$0.535	
TN	N.1.3	822C	00	\$0.557	
TN	N.1.3	845C	00	\$0.174	
TN	N.1.3	85C	00	\$0.494	
TN	N.1.4	377C	10	\$8,323.772	
TN	N.1.4	377C	09	\$1,258.104	
TN	N.1.4	377C	08	\$7,667.553	
TN	N.1.4	377C	07	\$12.267	
TN	N.1.4	357C	03	\$213.655	
TN	N.1.4	357C	15	\$0.006	
TN	N.1.4	357C	06	\$2.152	
TN	N.1.4	357C	09	\$0.535	
TN	N.1.4	822C	00	\$0.557	
TN	N.1.4	845C	00	\$0.174	
TN	N.1.4	85C	00	\$0.494	
TN	N.1.6	377C	10	\$2.760	
TN	N.1.7	377C	10	\$13.802	
TN	N.1.8	377C	10	\$24.154	
TN	N.1.9	377C	10	\$27.604	
TN	N.1.10	377C	10	\$55.208	
TN	N.1.11	377C	10	\$110.416	
TN	N.1.12	377C	10	\$165.624	
TN	N.1.13	377C	10	\$220.832	
TN	N.1.14	377C	10	\$331.249	
TN	N.1.15	377C	10	\$662.497	
TN	N.1.16	377C	10	\$1,656.243	
TN	N.1.17	377C	10	\$4,195.815	
TN	N.1.18	377C	10	\$6,707.783	
TN	N.1.19	377C	10	\$14,265.770	
TN	N.1.20	377C	10	\$18,549.918	
	END				

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	A	B	C	D	E
1		UNBUNDLED PACKET SWITCHING FRAME RELAY		State	TN
2				Workpaper	210
3		Summary of Cost Elements by FRC and Sub FRC		Page	1 of 2
4					
5					Cost
6		Description	Source	Value	Element#
7	1	UPS - UNI/NNI FRS 56 KBPS			
8	2	FRC 377C			
9	3	- Sub FRC 10	WP220 Ln86+ WP310 Ln47	\$176.959	N.1.1
10	4	- Sub FRC 09	WP220 Ln12+WP310 Ln41	\$22.197	N.1.1
11	5	- Sub FRC 08	WP220 Ln25+38+50+77+WP310 Ln42+43+44+46	\$75.471	N.1.1
12	6	- Sub FRC 07	WP220 Ln62+Ln99+WP310 Ln45+48	\$4.997	N.1.1
13	7	FRC 357C			
14	8	- Sub FRC 03	WP220 Ln110+127+WP310 Ln32+Ln49	\$85.058	N.1.1
15	9	- Sub FRC 15	WP220 Ln118+WP310 Ln35	\$86.128	N.1.1
16	10	- Sub FRC 06	WP220 Ln137+WP310 Ln33	\$33.917	N.1.1
17	11	- Sub FRC 09	WP220 Ln147+WP310 Ln34	\$88.615	N.1.1
18	12	FRC 822C Sub FRC 00	WP310 Ln 37	\$0.557	N.1.1
19	13	FRC 845C Sub FRC 00	WP310 Ln 38	\$0.174	N.1.1
20	14	FRC 85C Sub FRC 00	WP310 Ln 39	\$0.494	N.1.1
21	15				
22	16	UPS - UNI/NNI FRS 64 KBPS			
23	17	FRC 377C			
24	18	- Sub FRC 10	WP230 Ln86+ WP310 Ln47	\$176.959	N.1.2
25	19	- Sub FRC 09	WP230 Ln12+WP310 Ln41	\$22.197	N.1.2
26	20	- Sub FRC 08	WP230 Ln25+38+50+77+WP310 Ln42+43+44+46	\$75.471	N.1.2
27	21	- Sub FRC 07	WP230 Ln62+Ln99+WP310 Ln45+48	\$4.997	N.1.2
28	22	FRC 357C			
29	23	- Sub FRC 03	WP230 Ln110+127+WP310 Ln32+Ln49	\$85.058	N.1.2
30	24	- Sub FRC 15	WP230 Ln118+WP310 Ln35	\$86.128	N.1.2
31	25	- Sub FRC 06	WP230 Ln137+WP310 Ln33	\$33.917	N.1.2
32	26	- Sub FRC 09	WP230 Ln147+WP310 Ln34	\$88.615	N.1.2
33	27	FRC 822C Sub FRC 00	WP310 Ln 37	\$0.557	N.1.2
34	28	FRC 845C Sub FRC 00	WP310 Ln 38	\$0.174	N.1.2
35	29	FRC 85C Sub FRC 00	WP310 Ln 39	\$0.494	N.1.2
36	30				
37	31	UPS - UNI/NNI FRS 1.536 MBPS			
38	32	FRC 377C			
39	33	- Sub FRC 10	WP240 Ln85+WP310 Ln47	\$1,482.796	N.1.3
40	34	- Sub FRC 09	WP240 Ln11+WP310 Ln41	\$149.444	N.1.3
41	35	- Sub FRC 08	WP240 Ln23+35+47+75+WP310 Ln42+43+44+46	\$508.109	N.1.3
42	36	- Sub FRC 07	WP240 Ln61+Ln97+WP310 Ln45+48	\$68.102	N.1.3
43	37	FRC 357C			
44	38	- Sub FRC 03	WP240 Ln109+WP310 Ln32+49	\$15.820	N.1.3
45	39	- Sub FRC 15	WP310 Ln35	\$0.006	N.1.3
46	40	- Sub FRC 06	WP310 Ln33	\$2.152	N.1.3
47	41	- Sub FRC 09	WP310 Ln34	\$0.535	N.1.3
48	42	FRC 822C Sub FRC 00	WP310 Ln 37	\$0.557	N.1.3
49	43	FRC 845C Sub FRC 00	WP310 Ln 38	\$0.174	N.1.3
50	44	FRC 85C Sub FRC 00	WP310 Ln 39	\$0.494	N.1.3
51	45				
52	46				
53	47				
54	48				
55	49				
56	50				
57					
58					
59					
60					

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	A	B	C	D	E
61					
62					
63		UNBUNDLED PACKET SWITCHING FRAME RELAY		State	TN
64				Workpaper	210
65		Summary of Cost Elements by FRC and Sub FRC		Page	2 of 2
66					
67					
68		<u>Description</u>	<u>Source</u>	<u>Value</u>	<u>Cost Element#</u>
69	51	UPS - UNI/NNI FRS 44.210 MBPS			
70	52	FRC 377C			
71	53	- Sub FRC 10	WP250 Ln99+WP310 Ln47	\$8,323.772	N.1.4
72	54	- Sub FRC 09	WP250 Ln11+WP310 Ln41	\$1,258.104	N.1.4
73	55	- Sub FRC 08	WP250 Ln23+35+47+75+119+129+WP310 Ln42+43+44+46	\$7,667.553	N.1.4
74	56	- Sub FRC 07	WP250 Ln61+WP310 Ln45+48	\$12.267	N.1.4
75	57	FRC 357C			
76	58	- Sub FRC 03	WP250 Ln109+WP310 Ln32+49	\$213.655	N.1.4
77	59	- Sub FRC 15	WP310 Ln35	\$0.006	N.1.4
78	60	- Sub FRC 06	WP310 Ln33	\$2.152	N.1.4
79	61	- Sub FRC 09	WP310 Ln34	\$0.535	N.1.4
80	62	FRC 822C Sub FRC 00	WP310 Ln 37	\$0.557	N.1.4
81	63	FRC 845C Sub FRC 00	WP310 Ln 38	\$0.174	N.1.4
82	64	FRC 85C Sub FRC 00	WP310 Ln 39	\$0.494	N.1.4
83	65				
84	66				
85	67				
86	68				
87	69				
88	70				
89	71				
90	72				
91	73				
92	74				
93	75				
94	76				
95	77				
96	78				
97	79				
98	80				
99	81				
100	82				
101	83				
102	84				
103	85				
104	86				
105	87				
106	88				
107	89				
108	90				
109	91				
110	92				
111	93				
112	94				
113	95				
114	96				
115	97				
116	98				
117	99				
118	100				

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 56 KBPS

State TN
Workpaper 220
Cost Element N.1.1
Page 1 of 3

	Description	Source	Value
1	Base System (e/w CPU,Pwr,Fan)		
2	Material Price	Inputs_Recur Line 7	
3			
4	Projected Actual Utilization - Slot	Inputs_Recur Line 8	
5			
6	Number of Usable Slots	Inputs_Recur Line 9	12
7			
8	DS0 Utilization on 4-Port Card	Inputs_Recur Line 10	
9			
10	Number of DS0s per 4-port card	Inputs_Recur Line 11	96
11			
12	Utilized Material Price per DS0 Port	Ln2/Ln4/Ln6/Ln8/Ln10	\$21.817
13			
14	Redundant Fan		
15	Material Price	Inputs_Recur Line 13	
16			
17	Projected Actual Utilization - Slot	Inputs_Recur Line 14	
18			
19	Number of Usable Slots	Inputs_Recur Line 15	12
20			
21	DS0 Utilization on 4-Port Card	Inputs_Recur Line 16	
22			
23	Number of DS0s per 4-port card	Inputs_Recur Line 17	96
24			
25	Utilized Material Price per DS0 Port	Ln15/Ln17/Ln19/Ln21/Ln23	\$2.182
26			
27	Redundant CPU		
28	Material Price	Inputs_Recur Line 19	
29			
30	Projected Actual Utilization - Slot	Inputs_Recur Line 20	
31			
32	Number of Usable Slots	Inputs_Recur Line 21	12
33			
34	DS0 Utilization on 4-Port Card	Inputs_Recur Line 22	
35			
36	Number of DS0s per 4-port card	Inputs_Recur Line 23	96
37			
38	Utilized Material Price per DS0 Port	Ln28/Ln30/Ln32/Ln34/Ln36	\$21.817
39			
40	Redundant Power Supply		
41	Material Price	Inputs_Recur Line 25	
42			
43	Projected Actual Utilization - Slot	Inputs_Recur Line 26	
44	Number of Usable Slots	Inputs_Recur Line 27	12
45			
46	DS0 Utilization on 4-Port Card	Inputs_Recur Line 28	
47			
48	Number of DS0s per 4-port card	Inputs_Recur Line 29	96
49			
50	Utilized Material Price per DS0 Port	Ln41/Ln43/Ln44/Ln46/Ln48	\$6.545

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 56 KBPS

State TN
Workpaper 220
Cost Element N.1.1
Page 2 of 3

	<u>Description</u>	<u>Source</u>	<u>Value</u>
51	23" Rack Mount Kit		
52	Material Price	Inputs_Recur Line 31	
53			
54	Projected Actual Utilization - Slot	Inputs_Recur Line 32	
55			
56	Number of Usable Slots	Inputs_Recur Line 33	12
57			
58	DS0 Utilization on 4-Port Card	Inputs_Recur Line 34	
59			
60	Number of DS0s per 4-port card	Inputs_Recur Line 35	96
61			
62	Utilized Material Price per DS0 Port	Ln52/Ln54/Ln56/Ln58/Ln60	\$0.210
63			
64	HSSI Card (Trunking)		
65	Material Price	Inputs_Recur Line 37	
66			
67	Projected Actual Utilization	Inputs_Recur Line 38	
68			
69	Number of Usable Slots	Inputs_Recur Line 39	12
70			
71	DS0 Utilization on 4-Port Card	Inputs_Recur Line 40	
72			
73	Number of DS0s per 4-port card	Inputs_Recur Line 41	96
74			
75	Number Required	Inputs_Recur Line 42	2
76			
77	Utilized Material Price per DS0 Port	Ln65*Ln75/Ln67/Ln69/Ln71/Ln73	\$43.634
78			
79	4-Port Bundled I/O Card w/spare		
80	Material Price	Inputs_Recur Line 44	
81			
82	DS0 Utilization on 4-Port Card	Inputs_Recur Line 45	
83	% Allocated to CIR	Inputs_Recur Line 46	20.00%
84	4-Port Utilized Investment	Ln80/Ln82*(1-Ln83)	\$16,625.96
85	Number of DS0s per 4-port card	Inputs_Recur Line 47	96
86	Utilized Material Price per DS0 Port	Ln84/Ln85	
87			
88	Panel		
89	Material Price	Inputs_Recur Line 49	
90			
91	DS1's per Panel	Inputs_Recur Line 50	120
92			
93	Projected Actual Util - Panel DS1	Inputs_Recur Line 51	
94			
95	DS0 Utilization per DS1	Inputs_Recur Line 52	
96			
97	Number of DS0s per DS1	Inputs_Recur Line 53	24
98			
99	Utilized Material Price per DS0 Port	Ln89/Ln91/Ln93/Ln95/Ln97	\$4.614
100			

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PROPRIETARY

UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 56 KBPS

State TN
Workpaper 220
Cost Element N.1.1
Page 3 of 3

	Description	Source	Value
101	DSX-1 Termination		
102	Material Price	Inputs_Recur Line 55	
103			
104	Projected Actual Utilization-DS0 Field S	Inputs_Recur Line 56	
105	Projected Actual Utilization-DS0 Field S	Inputs_Recur Line 57	
106	Number Required	Inputs_Recur Line 58	2
107			
108	Number of DSO's per DS1Port	Inputs_Recur Line 59	24
109			
110	Utilized Material Price per DS0 Port	$(L102 * L106 / L104) + (L102 * L106 / L105) / L108$	\$3.65
111			
112	DCS Port - DS1		
113	Material Price	Inputs_Recur Line 61	
114	Projected Actual Utilization-DS0 Field S	Inputs_Recur Line 62	
115	Projected Actual Utilization-DS0 C.O. S	Inputs_Recur Line 63	
116	Number Required	Inputs_Recur Line 64	1
117	Number of DSO's per DS1Port	Inputs_Recur Line 65	24
118	Utilized Material Price per DS0 Port	$(L113 * L116 / L114) + (L113 * L116 / L115) / L117$	\$86.12
119			
120	D4 Channel Bank Term. per DS0 Port-Hardwired		
121	Material Price	Inputs_Recur Line 67	
122			
123	Projected Actual Utilization	Inputs_Recur Line 68	
124			
125	Number Required	Inputs_Recur Line 69	1
126			
127	Utilized Material Price per DS0 Port	$Ln121 / Ln123 * Ln125$	\$81.00
128			
129			
130	D4 Channel Bank Term. per DS0 Port-Com Eqpt.-Plug		
131	Material Price	Inputs_Recur Line 71	
132			
133	Projected Actual Utilization	Inputs_Recur Line 72	
134			
135	Number Required	Inputs_Recur Line 73	1
136			
137	Utilized Material Price per DS0 Port	$Ln131 / Ln133 * Ln135$	\$31.76
138			
139			
140	D4 Channel Bank Term. per DS0 Port-OCU-DP Plug		
141	Material Price	Inputs_Recur Line 75	
142			
143	Projected Actual Utilization	Inputs_Recur Line 76	
144			
145	Number Required	Inputs_Recur Line 77	1
146			
147	Utilized Material Price per DS0 Port	$Ln141 / Ln143 * Ln145$	\$88.08
148			
149			
150			

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PROPRIETARY

UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 64 KBPS

State TN
Workpaper 230
Cost Element N.1.2
Page 1 of 3

	Description	Source	Value
1	Base System(e/w CPU,Pwr,Fan)		
2	Material Price	Inputs_Recur Line 81	
3			
4	Projected Actual Utilization - Slot	Inputs_Recur Line 82	
5			
6	Number of Usable Slots	Inputs_Recur Line 83	12
7			
8	DS0 Utilization on 4-Port Card	Inputs_Recur Line 84	
9			
10	Number of DS0s per 4-port card	Inputs_Recur Line 85	96
11			
12	Utilized Material Price per DS0 Port	Ln2/Ln4/Ln6/Ln8/Ln10	\$21.817
13			
14	Redundant Fan		
15	Material Price	Inputs_Recur Line 87	
16			
17	Projected Actual Utilization - Slot	Inputs_Recur Line 88	
18			
19	Number of Usable Slots	Inputs_Recur Line 89	12
20			
21	DS0 Utilization on 4-Port Card	Inputs_Recur Line 90	
22			
23	Number of DS0s per 4-port card	Inputs_Recur Line 91	96
24			
25	Utilized Material Price per DS0 Port	Ln15/Ln17/Ln19/Ln21/Ln23	\$2.182
26			
27	Redundant CPU		
28	Material Price	Inputs_Recur Line 93	
29			
30	Projected Actual Utilization - Slot	Inputs_Recur Line 94	
31			
32	Number of Usable Slots	Inputs_Recur Line 95	12
33			
34	DS0 Utilization on 4-Port Card	Inputs_Recur Line 96	
35			
36	Number of DS0s per 4-port card	Inputs_Recur Line 97	96
37			
38	Utilized Material Price per DS0 Port	Ln28/Ln30/Ln32/Ln34/Ln36	\$21.817
39			
40	Redundant Power Supply		
41	Material Price	Inputs_Recur Line 99	
42			
43	Projected Actual Utilization - Slot	Inputs_Recur Line 100	
44	Number of Usable Slots	Inputs_Recur Line 101	12
45			
46	DS0 Utilization on 4-Port Card	Inputs_Recur Line 102	
47			
48	Number of DS0s per 4-port card	Inputs_Recur Line 103	96
49			
50	Utilized Material Price per DS0 Port	Ln41/Ln43/Ln44/Ln46/Ln48	\$6.545

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 64 KBPS

State TN
Workpaper 230
Cost Element N.1.2
Page 2 of 3

	Description	Source	Value
51	23" Rack Mount Kit		
52	Material Price	Inputs_Recur Line 105	
53			
54	Projected Actual Utilization - Slot	Inputs_Recur Line 106	
55			
56	Number of Usable Slots	Inputs_Recur Line 107	12
57			
58	DS0 Utilization on 4-Port Card	Inputs_Recur Line 108	
59			
60	Number of DS0s per 4-port card	Inputs_Recur Line 109	96
61			
62	Utilized Material Price per DS0 Port	Ln52/Ln54/Ln56/Ln58/Ln60	\$0.210
63			
64	HSSI Card(Trunking)		
65	Material Price	Inputs_Recur Line 111	
66			
67	Projected Actual Utilization - Slot	Inputs_Recur Line 112	
68			
69	Number of Usable Slots	Inputs_Recur Line 113	12
70			
71	DS0 Utilization on 4-Port Card	Inputs_Recur Line 114	
72			
73	Number of DS0s per 4-port card	Inputs_Recur Line 115	96
74			
75	Number Required	Inputs_Recur Line 116	2
76			
77	Utilized Material Price per DS0 Port	Ln65*Ln75/Ln67/Ln69/Ln71/Ln73	\$43.634
78			
79	4-Port Bundled I/O Card w/spare		
80	Material Price	Inputs_Recur Line 118	
81			
82	DS0 Utilization on 4-Port Card	Inputs_Recur Line 119	
83	% Allocated to CIR	Inputs_Recur Line 120	20.00%
84	4-Port Utilized Investment	Ln80/Ln82*(1-Ln83)	\$16,625.958
85	Number of DS0s per 4-port card	Inputs_Recur Line 121	96
86	Utilized Material Price per DS0 Port	Ln84/Ln85	\$173.187
87			
88	Panel		
89	Material Price	Inputs_Recur Line 123	
90			
91	DS1's per Panel	Inputs_Recur Line 124	120
92			
93	Projected Actual Util - Panel DS1	Inputs_Recur Line 125	
94			
95	DS0 Utilization per DS1	Inputs_Recur Line 126	
96			
97	Number of DS0s per DS1	Inputs_Recur Line 127	24
98			
99	Utilized Material Price per DS0 Port	Ln89/Ln91/Ln93/Ln95/Ln97	\$4.614
100			

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 64 Kbps

State TN
Workpaper 230
Cost Element N.1.2
Page 3 of 3

	Description	Source	Value
101	DSX-1 Termination		
102	Material Price	Inputs_Recur Line 129	
103			
104	Projected Actual Utilization-DS0 Field S	Inputs_Recur Line 130	
105	Projected Actual Utilization-DS0 C.O. S	Inputs_Recur Line 131	
106	Number Required	Inputs_Recur Line 132	2
107			
108	Number of DSO's per DS1Port	Inputs_Recur Line 133	24
109			
110	Utilized Material Price per DS0 Port	$(L102 * L106 / L104) + (L102 * L106 / L105) / L108$	\$3.65
111			
112	DCS Port - DS1		
113	Material Price	Inputs_Recur Line 135	
114	Projected Actual Utilization-DS0 Field S	Inputs_Recur Line 136	
115	Projected Actual Utilization-DS0 C.O. S	Inputs_Recur Line 137	
116	Number Required	Inputs_Recur Line 138	1
117	Number of DSO's per DS1Port	Inputs_Recur Line 139	24
118	Utilized Material Price per DS0 Port	$(L113 * L116 / L114) + (L113 * L116 / L115) / L117$	\$86.12
119			
120	D4 Channel Bank Term. per DS0 Port-Hardwired		
121	Material Price	Inputs_Recur Line 141	
122			
123	Projected Actual Utilization	Inputs_Recur Line 142	
124			
125	Number Required	Inputs_Recur Line 143	1
126			
127	Utilized Material Price per DS0 Port	$Ln121 / Ln123 * Ln125$	\$81.00
128			
129			
130	D4 Channel Bank Term. per DS0 Port-Com Eqpt.-Plug		
131	Material Price	Inputs_Recur Line 145	
132			
133	Projected Actual Utilization	Inputs_Recur Line 146	
134			
135	Number Required	Inputs_Recur Line 147	1
136			
137	Utilized Material Price per DS0 Port	$Ln131 / Ln133 * Ln135$	\$31.76
138			
139			
140	D4 Channel Bank Term. per DS0 Port-OCU-DP Plug		
141	Material Price	Inputs_Recur Line 149	
142			
143	Projected Actual Utilization	Inputs_Recur Line 150	
144			
145	Number Required	Inputs_Recur Line 151	1
146			
147	Utilized Material Price per DS0 Port	$Ln141 / Ln143 * Ln145 / Ln146$	\$88.08
148			
149			
150			

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 1.536 MBPS

State TN
Workpaper 240
Cost Element N.1.3
Page 1 of 3

	Description	Source	Value
1	Base System(e/w CPU,Pwr,Fan)		
2			
3	Material Price	Inputs_Recur Line 155	
4			
5	Projected Actual Utilization - Slot	Inputs_Recur Line 156	
6			
7	Number of Usable Slots	Inputs_Recur Line 157	12
8	DS1 Utilization on 10-Port Card	Inputs_Recur Line 158	
9	Number DS1Ports per 10-port Card	Inputs_Recur Line 159	10
10			
11	Utilized Material Price per Port	Ln3/Ln5/Ln7/Ln8/Ln 9	\$149.064
12			
13	Redundant Fan		
14			
15	Material Price	Inputs_Recur Line 161	
16			
17	Projected Actual Utilization - Slot	Inputs_Recur Line 162	
18			
19	Number of Usable Slots	Inputs_Recur Line 163	12
20	DS1 Utilization on 10-Port Card	Inputs_Recur Line 164	
21	Number DS1Ports per 10-port Card	Inputs_Recur Line 165	10
22			
23	Utilized Material Price per Port	Ln15/Ln17/Ln19/Ln20/Ln21	\$14.906
24			
25	Redundant CPU		
26			
27	Material Price	Inputs_Recur Line 167	
28			
29	Projected Actual Utilization - Slot	Inputs_Recur Line 168	
30			
31	Number of Usable Slots	Inputs_Recur Line 169	12
32	DS1 Utilization on 10-Port Card	Inputs_Recur Line 170	
33	Number DS1Ports per 10-port Card	Inputs_Recur Line 171	10
34			
35	Utilized Material Price per Port	Ln27/Ln29/Ln31/Ln32/Ln33	\$149.064
36			
37	Redundant Power Supply		
38			
39	Material Price	Inputs_Recur Line 173	
40			
41	Projected Actual Utilization - Slot	Inputs_Recur Line 174	
42			
43	Number of Usable Slots	Inputs_Recur Line 175	12
44	DS1 Utilization on 10-Port Card	Inputs_Recur Line 176	
45	Number DS1Ports per 10-port Card	Inputs_Recur Line 177	10
46			
47	Utilized Material Price per Port	Ln39/Ln41/Ln43/Ln44/Ln45	\$44.719
48			
49			
50			

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 1.536 MBPS

State TN
Workpaper 240
Cost Element N.1.3
Page 2 of 3

	Description	Source	Value
51	23" Rack Mount Kit		
52			
53	Material Price	Inputs_Recur Line 179	
54			
55	Projected Actual Utilization - Slot	Inputs_Recur Line 180	
56			
57	Number of Usable Slots	Inputs_Recur Line 181	12
58	DS1 Utilization on 10-Port Card	Inputs_Recur Line 182	
59	Number Ports per Slot	Inputs_Recur Line 183	10
60			
61	Utilized Material Price per Port	Ln53/Ln55/Ln57/Ln58/Ln59	\$1.433
62			
63	HSSI Card(Trunking)		
64			
65	Material Price	Inputs_Recur Line 185	
66			
67	Projected Actual Utilization - Slot	Inputs_Recur Line 186	
68			
69	Number of Usable Slots	Inputs_Recur Line 187	12
70	Number of Usable Slots	Inputs_Recur Line 188	
71	Number DS1Ports per 10-port Card	Inputs_Recur Line 189	10
72			
73	Number Required	Inputs_Recur Line 190	2
74			
75	Utilized Material Price per Port	Ln65*Ln73/Ln67/Ln69/Ln70/Ln71	\$298.127
76			
77	10-Port DS1 I/O Card w/spare		
78			
79	Material Price	Inputs_Recur Line 192	
80			
81	DS1 Utilization on 10-Port Card	Inputs_Recur Line 193	
82	% Allocated to CIR	Inputs_Recur Line 194	20.00%
83	10-Port Utilized Investment	Ln79/Ln81*(1-Ln82)	\$14,790.235
84	Number DS1Ports per 10-port Card	Inputs_Recur Line 195	10
85	Utilized Material Price per Port	Ln83/Ln84	\$1,479.023
86			
87	Panel		
88			
89	Material Price	Inputs_Recur Line 197	
90			
91	DS1 Capacity per panel	Inputs_Recur Line 198	120
92			
93	Projected Actual Util - Panel DS1	Inputs_Recur Line 199	
94			
95	Number DS1s	Inputs_Recur Line 200	1
96			
97	Utilized Material Price per Port	Ln 89 / Ln 91 / Ln 93 / Ln 95	\$66.495
98			
99			
100			

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 1.536 MBPS

State TN
Workpaper 240
Cost Element N.1.3
Page 3 of 3

	<u>Description</u>	<u>Source</u>	<u>Value</u>
101	DSX-1 Termination		
102			
103	Material Price	Inputs_Recur Line 202	
104			
105	Projected Actual Utilization	Inputs_Recur Line 203	
106			
107	Number Required	Inputs_Recur Line 204	1
108			
109	Utilized Material Price per Port	Ln 103 / Ln 105 * Ln 107	\$15.412
110			
111			
112			
113			
114			
115			
116			
117			
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120			
121			
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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 44.210 MBPS

State TN
Workpaper 250
Cost Element N.1.4
Page 1 of 3

	<u>Description</u>	<u>Source</u>	<u>Value</u>
1	Base System(e/w CPU,Pwr,Fan)		
2			
3	Material Price	Inputs_Recur Line 208	
4			
5	Projected Actual Utilization	Inputs_Recur Line 209	
6			
7	Number of Usable Slots	Inputs_Recur Line 210	12
8			
9	Number Ports per Slot	Inputs_Recur Line 211	1
10			
11	Utilized Material Price per Port	Line 3 / Line 5 / Line 7 / Line 9	\$1,257.724
12			
13	Redundant Fan		
14			
15	Material Price	Inputs_Recur Line 213	
16			
17	Projected Actual Utilization	Inputs_Recur Line 214	
18			
19	Number of Usable Slots	Inputs_Recur Line 215	12
20			
21	Number Ports per Slot	Inputs_Recur Line 216	1
22			
23	Utilized Material Price per Port	Line 15 / Line 17 / Line 19 / Line 21	\$125.772
24			
25	Redundant CPU		
26			
27	Material Price	Inputs_Recur Line 218	
28			
29	Projected Actual Utilization	Inputs_Recur Line 219	
30			
31	Number of Usable Slots	Inputs_Recur Line 220	12
32			
33	Number Ports per Slot	Inputs_Recur Line 221	1
34			
35	Utilized Material Price per Port	Line 27 / Line 29 / Line 31 / Line 33	\$1,257.724
36			
37	Redundant Power Supply		
38			
39	Material Price	Inputs_Recur Line 223	
40			
41	Projected Actual Utilization	Inputs_Recur Line 224	
42			
43	Number of Usable Slots	Inputs_Recur Line 225	12
44			
45	Number Ports per Slot	Inputs_Recur Line 226	1
46			
47	Utilized Material Price per Port	Line 39 / Line 41 / Line 43 / Line 45	\$377.317
48			
49			
50			

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UNBUNDLED PACKET SWITCHING FRAME RELAY

State TN
 Workpaper 250
 Cost Element N.1.4
 Page 2 of 3

Development of
 UPS - UNI/NNI FRS 44.210 MBPS

	<u>Description</u>	<u>Source</u>	<u>Value</u>
51	23" Rack Mount Kit		
52			
53	Material Price	Inputs_Recur Line 228	
54			
55	Projected Actual Utilization	Inputs_Recur Line 229	
56			
57	Number of Usable Slots	Inputs_Recur Line 230	12
58			
59	Number Ports per Slot	Inputs_Recur Line 231	1
60			
61	Utilized Material Price per Port	Line 53 / Line 55 / Line 57 / Line 59	\$12.093
62			
63	HSSI Card(Trunking)		
64			
65	Material Price	Inputs_Recur Line 233	
66			
67	Projected Actual Utilization	Inputs_Recur Line 234	
68			
69	Number of Usable Slots	Inputs_Recur Line 235	12
70			
71	Number Ports per Slot	Inputs_Recur Line 236	1
72			
73	Number Required	Inputs_Recur Line 237	2
74			
75	Utilized Material Price per Port	Ln 65/Ln67 /Ln69/Ln71*Ln73	\$2,515.447
76			
77			
78			
79			
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81			
82			
83			
84			
85			
86			
87			
88			
89	HSSI Card w/spare		
90			
91	Material Price	Inputs_Recur Line 239	
92			
93	Projected Actual Utilization	Inputs_Recur Line 240	
94	% Allocated to CIR	Inputs_Recur Line 241	20.0%
95	HSSI Card Utilized Investment	Ln91/Ln93*(1-Ln94)	\$8,320.000
96	Number of Ports per Card	Inputs_Recur Line 242	1
97	Number Required	Inputs_Recur Line 243	1
98			
99	Utilized Material Price per Port	Ln 95 / Ln 96 * Ln 97	\$8,320.000
100			

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PROPRIETARY

UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS 44.210 MBPS

State TN
Workpaper 250
Cost Element N.1.4
Page 3 of 3

	<u>Description</u>	<u>Source</u>	<u>Value</u>
101	DSX3 Termination		
102			
103	Material Price	Inputs_Recur Line 245	
104			
105	Projected Actual Utilization	Inputs_Recur Line 246	
106			
107	Number Required	Inputs_Recur Line 247	1
108			
109	Utilized Material Price per Port	Ln 103 / Ln 105 * Ln 107	\$213.247
110			
111	Kentrox DataSmart Unit		
112			
113	Material Price	Inputs_Recur Line 249	
114			
115	Projected Actual Utilization	Inputs_Recur Line 250	
116			
117	Number Required	Inputs_Recur Line 251	1
118			
119	Utilized Material Price per Port	Ln 113 / Ln 115 * Ln 117	\$3,273.000
120			
121	HSSI Cable		
122			
123	Material Price	Inputs_Recur Line 253	\$117.000
124			
125	Projected Actual Utilization	Inputs_Recur Line 254	
126			
127	Number Required	Inputs_Recur Line 255	1
128			
129	Utilized Material Price per Port	Ln 123 / Ln 125 * Ln 127	\$117.000
130			
131			
132			
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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - UNI/NNI FRS - CIR

State TN
Workpaper 270
Cost Element N.1.6-N.1.20
Page 1 of 1

	Description	Source	Value	
1				
2	4-Port Unbundled I/O Card			
3	Material Price	Inputs_Recur Line 259		
4	DS0 Utilization on 4-Port Card	Inputs_Recur Line 260		
5	% Allocated to CIR	Inputs_Recur Line 261	20.00%	
6	Number of DS0s per 4-port card	Inputs_Recur Line 262	96.00	
7	CIR Utilized Material per DS0 Equiv.	Line 3/Line4*Line 5/Line 6	\$43.297	
8	% of Ports	Inputs_Recur Line 263		
9	Weighted Material per DS0 Equiv.	Line 7*Line 8	\$19.216	
10				
11	10-Port DS1 I/O Card w/spare			
12	Material Price	Inputs_Recur Line 266		
13	DS1 Utilization on 10-Port Card	Inputs_Recur Line 267		
14	% Allocated to CIR	Inputs_Recur Line 268	20.00%	
15	Number Equiv. DS0s per Port	Inputs_Recur Line 269	24.00	
16	Number DS1Ports per 10-port Card	Inputs_Recur Line 270	10.00	
17	CIR Utilized Material per DS0 Equiv.	Ln12/Ln13*Ln14/Ln15/Ln16	\$15.41	
18	% of Ports	Inputs_Recur Line 271		
19	Weighted Material per DS0 Equiv.	Line 17*Line 18	\$8.343	
20				
21	HSSI Card w/spare			
22	Material Price	Inputs_Recur Line 274		
23	Projected Actual Utilization	Inputs_Recur Line 275		
24	% Allocated to CIR	Inputs_Recur Line 276	20.00%	
25	Number of Ports per Card	Inputs_Recur Line 277	1.00	
26	Number Equiv. DS0s per Port	Inputs_Recur Line 278	672.00	
27	CIR Utilized Material per DS0 Equiv.	Ln22/Ln23*Ln24/L25/L26	\$3.095	
28	% of Ports	Inputs_Recur Line 279		
29	Utilized Material Price per DS0 Equiv.	Ln27 / Ln28	\$0.045	
30				
31	Weighted Average Cost per DS0 Equivalent			
32				
33	Using a DS0 Value of 64 Kbps, Development of DS0 Equivalent Factors:		\$27.604	(Ln9+Ln19+Ln29)
34		<u>DSO</u>	<u>Ln33*DSO</u>	<u>Element</u>
35	0 Bps	0.1	\$2.760	N.1.6
36	1 - 32 Kbps	0.5	\$13.802	N.1.7
37	32 - 56 Kbps	0.875	\$24.154	N.1.8
38	56 - 64 Kbps	1	\$27.604	N.1.9
39	64 - 128 Kbps	2	\$55.208	N.1.10
40	128 - 256 Kbps	4	\$110.416	N.1.11
41	256 - 384 Kbps	6	\$165.624	N.1.12
42	384 - 512 Kbps	8	\$220.832	N.1.13
43	512 - 768 Kbps	12	\$331.249	N.1.14
44	768 - 1.536 Mbps	24	\$662.497	N.1.15
45	1.536 - 4 Mbps	60	\$1,656.243	N.1.16
46	4 - 10 Mbps	152	\$4,195.815	N.1.17
47	10 - 16 Mbps	243	\$6,707.783	N.1.18
48	16 - 34 Mbps	516.8	\$14,265.770	N.1.19
49	34 - 44.210 Mbps	672	\$18,549.918	N.1.20
50				

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UNBUNDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - Application Software Per Port

State TN
Workpaper 300
Cost Element N.1.1thruN.1.4
Page 1 of 1

	<u>Description</u>	<u>Source</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>
			Year 1	Year 2	Year 3
1					
2					
3	Cost per New Switch	Inputs_Recur Line 282			
4	Quantity	Inputs_Recur Line 283			
5	Growth Factor	Inputs_Recur Line 284			
6	Grown Quantity				
7	Annual Cost Year 1	$Ln3 * Ln6 * Ln28$	\$ 15,350.06		
8	Annual Cost Year 2	$Ln7 + Yr2(Ln3 * Ln6 * Ln28)$		\$ 18,058.89	
9	Annual Cost Year 3	$Ln8 + Yr3(Ln3 * Ln6 * Ln28)$			\$ 20,767.72
10					
11	Cost per Existing Switch Addl Year	Inputs_Recur Line 285			
12	Quantity	Inputs_Recur Line 286			
13	Switch Cost	$Ln11 * Ln12$			
14	Annual Switch Cost	$Sum(Lns7,8,9) + Ln13$	\$15,350.057	\$96,037.891	\$112,507.724
15	Actual Projected Demand	Inputs_Recur Line 287			
16	Growth Factor	Inputs_Recur Line 288			
17	Grown Demand				
18	ATM Port Demand	Inputs_Recur Line 289			
19	Total Port Demand	$Ln17 + Ln18$			
20					
21	Total Switch Cost	$Ln14 (Yr1 + Yr2 + Yr3)$			\$223,895.672
22	Total Port Demand	$Ln19 (Yr1 + Yr2 + Yr3)$			16312
23					
24	Software Cost per Port per Month	$Ln21 / Ln22 / 12$			\$1.144
25					
26					
27					
28	Annuity Factor	$I * (1 + I)^N / (1 + I)^N - 1$	0.26333		
29	I = Cost of Money	Inputs_Recur Line 308	9.93%		
30	N= Number of Years	Inputs_Recur Line 309	5		
31					
32					
33					
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NDLED PACKET SWITCHING FRAME RELAY

Development of
UPS - DS1 Interoffice Facilities - Network Management System

State TN
Workpaper 310
Cost Element N.1.1thruN.1.4
Page 1 of 1

	Description	Source	Value
1			
2	Facilities Termination - 357C 03	Inputs_Recur Line 292	\$268.526
3	Facilities Termination - 357C 06	Inputs_Recur Line 293	\$1,567.121
4	Facilities Termination - 357C 09	Inputs_Recur Line 294	\$389.809
5	Facilities Termination - 357C 15	Inputs_Recur Line 295	\$4.634
6	Facilities Per Airmile - 822C 00	Inputs_Recur Line 296	\$2.536
7	Facilities Per Airmile - 845C 00	Inputs_Recur Line 297	\$0.791
8	Facilities Per Airmile - 85C 00	Inputs_Recur Line 298	\$2.251
9			
10	Base System(e/w CPU,Pwr,Fan)	WP240 Line 11	\$149.064
11	Redundant Fan	WP240 Line 23	\$14.906
12	Redundant CPU	WP240 Line 35	\$149.064
13	Redundant Power Supply	WP240 Line 47	\$44.719
14	23" Rack Mount Kit	WP240 Line 61	\$1.433
15	HSSI Card(Trunking)	WP240 Line 75	\$298.127
16	10-Port DS1 I/O Card w/spare	WP240 Line 85	\$1,479.023
17	Panel	WP240 Line 97	\$66.495
18	DSX-1 Termination	WP240 Line 109	\$15.412
19			
20	Total Circuit Airmiles - Region	Inputs_Recur Line 299	16,791
21	# of Interoffice Circuits (DS1) - Region	Inputs_Recur Line 300	105
22	# of DS1 Ports	Inputs_Recur Line 301	195
23			
24			
25	# of Ports - Region	Inputs_Recur Line 304	
26	Growth Factor	Inputs_Recur Line 305	
27		Ln25 * Ln26	
28	ATM Port Demand - Region	Inputs_Recur Line 306	
29	Total Port Demand	Ln27 + Ln28	
30	Average Port Demand	Ln29 (Yr1+Yr2+Yr3)/3	
31			
32	Facilities Term. Invest/port 357C 03	Ln2*Ln21/Ln31	\$0.369
33	Facilities Term. Invest/port 357C 06	Ln3*Ln21/Ln31	\$2.152
34	Facilities Term. Invest/port 357C 09	Ln4*Ln21/Ln31	\$0.535
35	Facilities Term. Invest/port 357C 15	Ln5*Ln21/Ln31	\$0.006
36			
37	Facilities Airmile Invest/port 822C 00	Ln6*Ln20/Ln31	\$0.557
38	Facilities Airmile Invest/port 845C 00	Ln7*Ln20/Ln31	\$0.174
39	Facilities Airmile Invest/port 85C 00	Ln8*Ln20/Ln31	\$0.494
40			
41	Base System - 377C 09	Ln10*Ln22/Ln31	\$0.380
42	Redundant Fan - 377C 08	Ln11*Ln22/Ln31	\$0.038
43	Redundant CPU - 377C 08	Ln12*Ln22/Ln31	\$0.380
44	Redundant P.S. - 377C 08	Ln13*Ln22/Ln31	\$0.114
45	23" Rack Rount Kit - 377C 07	Ln14*Ln22/Ln31	\$0.004
46	HSSI Card(Trunking) - 377C 08	Ln15*Ln22/Ln31	\$0.760
47	10-Port DS1 I/O Card - 377C 10	Ln16*Ln22/Ln31	\$3.772
48	Panel - 377C 07	Ln17*Ln22/Ln31	\$0.170
49	DSX-1 Term. - 357C 03	Ln18*Ln22/Ln31	\$0.039
50			

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FRAME RELAY SERVICE: GSST/ search 8/31/98					Detail Page for Frame Relay					TN
SPEED	CONNECTION	USOC								
56 KBPS		FRH56								
64 KBPS		FRH64								
112 KBPS		FRH11								
128 KBPS		FRH12								
192 KBPS		FRH19								
256 KBPS		FRH25								
320 KBPS		FRH32								
384 KBPS		FRH38								
448 KBPS		FRH44								
512 KBPS		FRH51								
576 KBPS		FRH57								
640 KBPS		FRH40								
704 KBPS		FRH70								
768 KBPS		FRH76								
1024 KBPS		FRH24								
1152 KBPS		FRH52								
1.536 MBPS		FRH15								
44.210 MBPS		FRH10								
KIH @ DS0		WV1Z								
KIH @ DS1		WV1Q								
FRAME RELAY SERVICE: INTRA+InterSTATE ACCESS/ bcats 8/31/98										TN
SPEED	CONNECTION	USOC								
56 KBPS		XAFU5/N5								
64 KBPS		XAFU6/N6								
1.536 MBPS		XAFU1/N1								
44.210 MBPS		XAFU4/N4								
IX Included Above										TN
SPEED	CONNECTION	USOC								
56 KBPS		XAFU5/N5								
64 KBPS		XAFU6/N6								
1.536 MBPS		XAFU1/N1								
44.210 MBPS		XAFU4/N4								

CDS SERVICE: GSST/search 8/31/98		Detail Page for CDS				TN
SPEED	CONNECTION	USOC				
56 KBPS		CSN5X				
64 KBPS		CSN6X				
112 KBPS		CSNCX				
128 KBPS		CSNDX				
192 KBPS		CSNEX				
256 KBPS		CSNFX				
320 KBPS		CSNGX				
384 KBPS		CSNHX				
448 KBPS		CSNJX				
512 KBPS		CSNKX				
576 KBPS		CSNLX				
640 KBPS		CSNMX				
704 KBPS		CSNNX				
768 KBPS		CSNPX				
1024 KBPS		CSNQX				
1152 KBPS		CSNRX				
1,536 MBPS		CSN1X				
44,210 MBPS		CSN4X				
CDS SERVICE:						
INTRASTATE ACCESS/						
bcatls 8/31/98 (zero)						
SPEED	CONNECTION	USOC				
56 KBPS		XACN5				
64 KBPS		XACN6				
1,536 MBPS		XACN1				
44,210 MBPS		XACN4				
CDS SERVICE:						
INTERSTATE ACCESS/						
bcatls 8/31/98						
SPEED	CONNECTION	USOC				
56 KBPS		XACN5				
64 KBPS		XACN6				
1,536 MBPS		XACN1				
44,210 MBPS		XACN4				
TOTAL CDS PORTS						

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Total Quantity of Ports by Speed by State as of 8/31/98 (Sum of all Jurisdictions for Frame Relay and CDS)										SUMMARY PAGE	TN
56 KBPS											
64 KBPS											
112 KBPS											
128 KBPS											
192 KBPS											
256 KBPS											
320 KBPS											
384 KBPS											
448 KBPS											
512 KBPS											
576 KBPS											
640 KBPS											
704 KBPS											
768 KBPS											
1024 KBPS											
1152 KBPS											
1.536 MBPS											
44.210 MBPS											
TOTAL PORTS											
DS0 Equivalents by state											
DS0 EQ											
56 KBPS	1										
64 KBPS	1										
112 KBPS	2										
128 KBPS	2										
192 KBPS	3										
256 KBPS	4										
320 KBPS	5										
384 KBPS	6										
448 KBPS	7										
512 KBPS	8										
576 KBPS	9										
640 KBPS	10										
704 KBPS	11										
768 KBPS	12										
1024 KBPS	16										
1152 KBPS	18										
1.536 MBPS	24										
44.210 MBPS	672										
TOTAL											
Total DS0 Ports											
Number DS0 cards											
Number DS0s											
DS0 Util. on 4-Port Card											
Total DS1 Ports											
Number DS1 cards											
Number DS1 Ports											
DS1 Util. On 10-Port Card											

ATM Demand (Ports) Forecasted for 99, 00, 01									
1999								TN	CO
GSST									
DS1									
DS3									
OC3									
OC12									
ACCESS									
DS1									
DS3									
OC3									
OC12									
TOTAL 99									
DS1									
DS3									
OC3									
OC12									
2000									
GSST									
DS1									
DS3									
OC3									
OC12									
ACCESS									
DS1									
DS3									
OC3									
OC12									
TOTAL 00									
DS1									
DS3									
OC3									
OC12									
2001									
GSST									
DS1									
DS3									
OC3									
OC12									
ACCESS									
DS1									
DS3									
OC3									
OC12									
TOTAL 99									
DS1									
DS3									
OC3									
OC12									

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

The following worksheets showing the calculations associated with loadings and factors development discussed in Section 4 are included in this Appendix.

1. TPI's
2. Levelized Inflation Factors
3. Inplant Factors - COE
4. Inplant Factors - OSP
5. Plug-in Factors
6. Hard-wired Factors
7. Supporting Equipment & Power Loadings
8. Plant Specific Expense Factors
9. Land and Building Loadings
10. Capital Cost Model Calculations
11. Ad Valorem and Other Taxes
12. State and Federal Income Taxes
13. Gross Receipts Tax
14. Labor Rates

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

TPIs
Levelized Inflation Factors

File: infltnlv.xls

**BELLSOUTH TELECOMMUNICATIONS
FORECAST TELEPHONE PLANT INDEXES
ACCOUNTS ON PART 32 USOA BASIS
SEPTEMBER 1997 FORECAST OF % COST CHANGE**

ACCOUNT NAME	ACCT #	FRC	ACTUAL 1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007+
BUILDINGS	2121	10C	3.6	2	2	3	3	3	3	3	3	3	3	3
MOTOR VEHICLES	2112	40C	0.9	-1	1	1	2	2	2	2	2	2	2	2
AIRCRAFT	2113	140C	4.1	2	2	4	4	4	4	4	4	4	4	4
GARAGE WORK EQ	2115	340C	2.4	1	2	2	3	3	3	3	3	3	3	3
OTHER WORK EQ	2116	540C	2.2	2	2	2	2	2	2	3	3	3	3	3
FURNITURE	2122	30C	2.3	2	2	3	3	3	3	3	3	3	3	3
OFFICE EQUIPMENT	2123	430,718C	1.3	1	1	1	1	1	1	1	1	1	1	1
OFF SUPPORT EQ			0.5	1	0	1	1	1	1	1	1	1	1	1
OTH COMM EQ			1.6	1	1	1	1	1	1	1	1	1	1	1
G.P. COMPUTERS	2124	530C	-16.0	-23	-18	-14	-10	-8	-6	-5	-5	-5	-5	0
GEN EQ COMPOSITE			-10.8	-15	-10	-7	-4	-3	-2	-1	-1	0	0	1
ANALOG ELECTRONIC	2211	77C	5.6	3	3	3	3	3	3	3	3	3	3	-
DIGITAL ELECTRONIC	2212	377C	10.5	0	-2	0	1	2	1	0	-1	-1	-1	1
OPERATOR SYSTEMS	2220	117C	9.2	0	-2	0	0	2	1	0	-1	-1	-2	1
RADIO	2231	67C	-1.4	-1	0	0	1	1	1	1	1	1	1	1
CIRCUIT COMPOSITE	2232		-1.9	-1	-3	0	-2	0	0	0	-1	0	-2	0
ANALOG		57,457C	0.9	0	1	2	3	3	3	3	3	3	3	-
DIGITAL SPG		257C	-2.0	0	-3	0	-2	0	0	0	-2	0	-2	0
OTHER DIGITAL		157,357C	-2.2	-2	-3	0	-2	0	0	-1	-2	0	-2	0
COE COMPOSITE			2.4	-1	-2	0	-1	1	1	0	-1	0	-1	1
STATION APPARATUS	2311	318C	1.6	2	2	2	2	2	2	2	2	2	2	2
LARGE PBX	2341	258C	-1.2	-3	-2	-1	-1	0	0	-1	-1	-1	-1	1
PUBLIC TELEPHONES	2351	198C	0.8	1	1	1	1	1	1	1	1	1	1	1
OTH TERM EQ	2362	558,858C	-1.7	-2	-1	0	0	0	1	0	0	1	1	1
STATION COMPOSITE			-1.0	-1	-1	0	0	0	1	0	0	1	1	1
ISP COMPOSITE			2.3	-1	-2	0	-1	1	1	0	-1	0	-1	1

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BELLSOUTH TELECOMMUNICATIONS FORECAST TELEPHONE PLANT INDEXES ACCOUNTS ON PART 32 USOA BASIS SEPTEMBER 1997 FORECAST OF % COST CHANGE														
ACCOUNT NAME	ACCT #	FRC	ACTUAL 1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007+
POLES	2411	1C	1.7	3	3	3	4	4	4	4	4	4	4	4
AERIAL CABLE	2421		2.0	1	0	1	4	3	4	4	4	4	4	2
COPPER		22C	2.2	1	0	2	5	3	4	4	4	4	4	4
OPTICAL		822C	1.2	1	1	-2	1	-1	1	1	1	2	2	2
U.G. CABLE	2422		1.2	0	0	-1	2	0	2	2	2	2	2	1
COPPER		5C	1.7	0	-1	1	5	3	4	3	3	3	3	3
OPTICAL		85C	0.9	0	1	-3	0	-2	0	1	1	1	1	1
BURIED CABLE	2423		2.1	1	1	2	3	3	3	3	3	3	3	3
COPPER		45C	2.0	1	1	2	4	3	3	3	3	3	3	3
OPTICAL		845C	2.1	2	2	0	2	1	2	2	2	2	2	2
SUBMARINE CABLE	2424		2.4	2	2	1	2	2	3	3	3	3	3	3
COPPER		6C	1.1	1	0	1	5	3	3	3	3	3	3	3
OPTICAL		86C	2.7	2	2	1	2	2	2	3	3	3	3	3
INBLDG NETWK CABL	2426		3.0	0	-2	1	6	3	4	4	4	4	4	2
COPPER		52C	3.1	0	-2	1	6	3	4	4	4	4	4	3
OPTICAL		852C	1.6	1	2	0	1	0	2	2	2	2	2	2
CABLE COMPOSITE			2.0	1	1	1	4	2	3	3	3	3	3	2
COPPER			2.1	1	0	2	4	3	4	4	4	4	4	3
OPTICAL			1.4	1	1	-1	1	0	1	1	2	2	2	2
CONDUIT SYSTEMS	2441	4C	1.3	3	3	3	3	3	3	3	3	3	3	3
OSP STRUCTURES			1.4	3	3	3	3	3	4	4	4	4	4	4
OSP COMPOSITE			1.9	1	1	1	4	2	3	3	3	3	3	3
TOTAL COMPOSITE			0.4	-2	-2	0	0	1	2	1	1	1	1	1
NOTE: BACKUP FOR INVESTMENT INFLATION FACTORS														

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1998 BELLSOUTH ACCOUNT AVERAGE LEVELIZED INFLATION LOADINGS FOR FORWARD LOOKING STUDIES - THREE YEARS (1997EOY thru 2000)									
ACCOUNT NAME	TELEPHONE PLANT INDICES (TPI)			CUMULATIVE INFLATION FACTORS			INVESTMENT INFLATION LOADINGS H =G/3		
	1998 A	1999 B	2000 C	1998 D =1+(A/100)	1999 E =1+(B/100)XD	2000 F 1+(C/100)XE		TOTAL G =D+E+F	
FRC									
BUILDINGS	10C	2	3	3	1.022623	1.048500	3.147623	1.049208	
					1.000000	1.000000	3.000000	1.000000	
MOTOR VEHICLES	40C	1	1	2	1.010000	1.020100	3.070600	1.023533	
AIRCRAFT	140C	2	4	4	1.020000	1.060800	3.184000	1.061333	
GARAGE WORK EQ	340C	2	2	3	1.020000	1.040400	3.132000	1.044000	
OTHER WORK EQ	540C	2	2	2	1.020000	1.040400	3.121600	1.040533	
FURNITURE	30C	2	3	3	1.020000	1.050600	3.152700	1.050900	
OFFICE EQUIPMENT	430,718C	1	1	1	1.010000	1.020100	3.060400	1.020133	
OFF SUPPORT EQ		0	1	1	1.000000	1.010000	3.030100	1.010033	
OTH COMM EQ		1	1	1	1.010000	1.020100	3.060400	1.020133	
G.P. COMPUTERS	530C	-18	-14	-10	0.820000	0.705200	2.159900	0.719967	
GEN EQ COMPOSITE		-10	-7	-4	0.900000	0.837000	2.540500	0.846833	
					1.000000	1.000000	3.000000	1.000000	
ANALOG ELECTRONIC	77C	3	3	3	1.030000	1.060900	3.183600	1.061200	
DIGITAL ELECTRONIC	377C	-2	0	1	0.980000	0.980000	2.949800	0.983267	
OPERATOR SYSTEMS	117C	-2	0	0	0.980000	0.980000	2.940000	0.980000	
RADIO	67C	0	0	1	1.000000	1.000000	3.010000	1.003333	
CIRCUIT COMPOSITE		-3	0	-2	0.970000	0.970000	2.890600	0.963533	
ANALOG	57,457C	1	2	3	1.010000	1.030200	3.101300	1.033767	
DIGITAL SPG	257C	-3	0	-2	0.970000	0.970000	2.890600	0.963533	
OTHER DIGITAL	157,357C	-3	0	-2	0.970000	0.970000	2.890600	0.963533	
COE COMPOSITE		-2	0	-1	0.980000	0.980000	2.930200	0.976733	
STATION APPARATUS	318C	2	2	2	1.020000	1.040400	3.121600	1.040533	
LARGE PBX	258C	-2	-1	-1	0.980000	0.970200	2.910700	0.970233	
PUBLIC TELEPHONES	198C	1	1	1	1.010000	1.020100	3.060400	1.020133	
OTH TERM EQ	558,858C	-1	0	0	0.990000	0.990000	2.970000	0.990000	
STATION COMPOSITE		-1	0	0	0.990000	0.990000	2.970000	0.990000	
ISP COMPOSITE		-2	0	-1	0.980000	0.970200	2.930200	0.976733	
SOURCE: TPI from Network - Forecast Telephone Plant Indexes, Sep 1997 Forecast of % Cost Change, Att. C, Pages 1 & 2									

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POLES	1C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

SOURCE: TPI from Network - Forecast Telephone Plant Indexes. Sep 1997 Forecast of % Cost Change, Att. C, Pages 1 & 2

1998-2000 (Long)

1998
BELLSOUTH
ACCOUNT AVERAGE LEVELIZED INFLATION LOADINGS
FOR FORWARD LOOKING STUDIES - TWO YEARS (1998 thru 2000)

BELLSOUTH	TELEPHONE PLANT INDICES (TP				CUMULATIVE INFLATION FACTORS			LEVELIZED INVESTMENT INFLATION LOADINGS F =E/2
	1999	2000	1999	2000	TOTAL	E =C+D		
	A	B	C =1+(A/100)	D =(1+B/100)*A				
Building	10C	2.5	2.7	1.025349	1.052737	2.078086	1.039043	
Gen Purpose Computer	530C	-14.0	-10.0	0.860000	0.774000	1.634000	0.817000	
Digital Switch	377C	0.0	1.0	1.000000	1.010000	2.010000	1.005000	
Circuit-DDS	157C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000	
Circuit-Digital Pair Gain	257C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000	
Circuit-Other Digital	357C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000	
Poles	1C	3.5	3.6	1.034562	1.071423	2.105985	1.052992	
Aerial Cable-Copper	22C	2.0	5.0	1.020000	1.071000	2.091000	1.045500	
Aerial Cable-Fiber	822C	-2.0	1.0	0.980000	0.989800	1.969800	0.984900	
Underground Cable-Copper	5C	1.0	5.0	1.010000	1.060500	2.070500	1.035250	
Underground Cable-Fiber	85C, D, F, T5	-3.0	0.0	0.970000	0.970000	1.940000	0.970000	
Buried Cable-Copper	45C	2.0	4.0	1.020000	1.060800	2.080800	1.040400	
Buried Cable-Fiber	845C	0.0	2.0	1.000000	1.020000	2.020000	1.010000	
Submarine Cable-Copper	6C	1.0	5.0	1.010000	1.060500	2.070500	1.035250	
Submarine Cable-Fiber	86C	1.0	2.0	1.010000	1.030200	2.040200	1.020100	
Intrbldg Ntwk Cable-Copper	52C	1.0	6.0	1.010000	1.070600	2.080600	1.040300	
Intrbldg Ntwk Cable-Fiber	852C	0.0	1.0	1.000000	1.010000	2.010000	1.005000	
Conduit	4C	2.7	3.1	1.027181	1.059201	2.086383	1.043191	

SOURCE: TPI from Network - Forecast Telephone Plant Indexes, Sep 1997 Forecast of % Cost Change, Att. C, Pages 1 & 2

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1998

BELLSOUTH

ACCOUNT AVERAGE LEVELIZED INFLATION LOADINGS

FOR FORWARD LOOKING STUDIES - THREE YEARS (1997EOY thru 2000)

	TELEPHONE PLANT INDICES (TPI)			CUMULATIVE INFLATION FACTORS			LEVELIZED INVESTMENT INFLATION LOADINGS H =G/3
	1998 A	1999 B	2000 C	1998 D =1+(A/100)	1999 E =1+(B/100)XD	2000 F 1+(C/100)XE	TOTAL G =D+E+F
Building	2.3	2.5	2.7	1.022623	1.048500	1.076500	3.147623
Gen Purpose Computer	-18.0	-14.0	-10.0	0.820000	0.705200	0.634700	2.159900
Digital Switch	-2.0	0.0	1.0	0.980000	0.980000	0.989800	2.949800
Circuit-DDS	-3.0	0.0	-2.0	0.970000	0.970000	0.950600	2.890600
Circuit-Digital Pair Gain	-3.0	0.0	-2.0	0.970000	0.970000	0.950600	2.890600
Circuit-Other Digital	-3.0	0.0	-2.0	0.970000	0.970000	0.950600	2.890600
Poles	3.2	3.5	3.6	1.032135	1.067800	1.105800	3.205735
Aerial Cable-Copper	0.0	2.0	5.0	1.000000	1.020000	1.071000	3.091000
Aerial Cable-Fiber	1.0	-2.0	1.0	1.010000	0.989800	0.999700	2.999500
Underground Cable-Copper	-1.0	1.0	5.0	0.990000	0.999900	1.049900	3.039800
Underground Cable-Fiber	1.0	-3.0	0.0	1.010000	0.979700	0.979700	2.969400
Buried Cable-Copper	1.0	2.0	4.0	1.010000	1.030200	1.071400	3.111600
Buried Cable-Fiber	2.0	0.0	2.0	1.020000	1.020000	1.040400	3.080400
Submarine Cable-Copper	0.0	1.0	5.0	1.000000	1.010000	1.060500	3.070500
Submarine Cable-Fiber	2.0	1.0	2.0	1.020000	1.030200	1.050800	3.101000
Intridg Ntwk Cable-Copper	-2.0	1.0	6.0	0.980000	0.989800	1.049200	3.019000
Intridg Ntwk Cable-Fiber	2.0	0.0	1.0	1.020000	1.020000	1.030200	3.070200
Conduit	3.0	2.7	3.1	1.029849	1.057800	1.090800	3.178449
10C							1.049208
530C							0.719967
377C							0.983267
157C							0.963533
257C							0.963533
357C							0.963533
1C							1.068578
22C							1.030333
822C							0.999833
5C							1.013267
85C, D, F, T5C							0.989800
45C							1.037200
845C							1.026800
6C							1.023500
86C							1.033667
52C							1.006333
852C							1.023400
4C							1.059483

SOURCE: TPI from Network - Forecast Telephone Plant Indexes, Sep 1997 Forecast of % Cost Change, Att. C, Pages 1 & 2

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1998
BELLSOUTH
ACCOUNT AVERAGE LEVELIZED INFLATION LOADINGS
FOR FORWARD LOOKING STUDIES - TWO YEARS (1998 thru 2000)

TELEPHONE PLANT INDICES (TPI)		CUMULATIVE INFLATION FACTORS				LEVELIZED INVESTMENT INFLATION LOADINGS F =E/2	
		1999 A	2000 B	1999 C =1+(A/100)	2000 D =(1+B/100)*A		TOTAL E =C+D
BELLSOUTH							
Building	10C	2.5	2.7	1.025349	1.052737	2.078086	1.039043
Gen Purpose Computer	530C	-14.0	-10.0	0.860000	0.774000	1.634000	0.817000
Digital Switch	377C	0.0	1.0	1.000000	1.010000	2.010000	1.005000
Circuit-DDS	157C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000
Circuit-Digital Pair Gain	257C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000
Circuit-Other Digital	357C	0.0	-2.0	1.000000	0.980000	1.980000	0.990000
Poles	1C	3.5	3.6	1.034562	1.071423	2.105985	1.052992
Aerial Cable-Copper	22C	2.0	5.0	1.020000	1.071000	2.091000	1.045500
Aerial Cable-Fiber	822C	-2.0	1.0	0.980000	0.989800	1.969800	0.984900
Underground Cable-Copper	5C	1.0	5.0	1.010000	1.060500	2.070500	1.035250
Underground Cable-Fiber	85C, D, F, T5C	-3.0	0.0	0.970000	0.970000	1.940000	0.970000
Buried Cable-Copper	45C	2.0	4.0	1.020000	1.060800	2.080800	1.040400
Buried Cable-Fiber	845C	0.0	2.0	1.000000	1.020000	2.020000	1.010000
Submarine Cable-Copper	6C	1.0	5.0	1.010000	1.060500	2.070500	1.035250
Submarine Cable-Fiber	86C	1.0	2.0	1.010000	1.030200	2.040200	1.020100
Intrbldg Ntwk Cable-Copper	52C	1.0	6.0	1.010000	1.070600	2.080600	1.040300
Intrbldg Ntwk Cable-Fiber	852C	0.0	1.0	1.000000	1.010000	2.010000	1.005000
Conduit	4C	2.7	3.1	1.027181	1.059201	2.086383	1.043191

SOURCE: TPI from Network - Forecast Telephone Plant Indexes, Sep 1997 Forecast of % Cost Change, Att. C, Pages 1 & 2

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TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Inplant Factors – COE

File: coeip97.xls

State: TN		Digital COE		Inplant Factors Study-Digital COE					
Category		Expenditure Type Code	Data Year FRC>	1997 157C	1997 257C	1997 357C	1997 257C+357C	1997 377C	1997 Digit Comp
1. Telco Plant Labor		CP*, CQ* (EXCLD CQ1)		\$12,287	\$3,518,661	\$797,598	\$4,316,259	\$775,602	\$5,104,148
2. Telco Engineering		CE*		\$144	\$918,904	\$587,209	\$1,506,113	\$580,614	\$2,086,871
3. Telco Engineering Projects		NOT APPLICABLE							
4. Other Costs		ALL OTHER CODES		\$51,269	\$2,638,305	\$1,425,063	\$4,063,368	\$1,272,556	\$5,387,193
5. Vendor Engineering		463		\$0	\$2,547,380	\$2,111,224	\$4,658,604	\$6,828,401	\$11,487,005
6. Vendor Installation		471,48D,48J,48L,48P,48Q,48I		\$0	\$6,063,628	\$4,523,168	\$10,586,796	\$8,872,152	\$19,458,948
7. Material w/sales tax									
A. - Exempt		CQ1							\$0
B. - Non-exempt		523,524,584,61E,61F,61G,631, ABO,AB9,CJ1,CJ4,CJ6,CJF		\$798,675	\$53,737,841	\$49,107,829	\$102,845,670	\$76,567,799	\$180,212,144
8. State Sales Tax		Current Miscellaneous Loadings		0.0600	0.0600	0.0600	0.0600	0.0600	
9. Non-exempt Mat'l less sales		Ln 7B / (1 + Ln 8)		\$753,467	\$50,696,076	\$46,328,141	\$97,024,217	\$72,233,773	\$170,011,457
10. Total		Sum Lns 1-7B		\$862,375	\$69,424,719	\$58,552,091	\$127,976,810	\$94,897,124	\$223,736,309
11. Material Factor		Ln 10 / Ln 9		1.1445	1.3694	1.2639	1.3190	1.3138	1.3160
12. Telco Factor		Ln 10 / (Ln 5 + Ln 6 + Ln 9)		1.1445	1.1706	1.1055	1.1399	1.0792	1.1134
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP) State Sales Tax from Tax Office									

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State: TN		COE Other		Inplant Factors Study-COE Other					1997 167C	1997 Other Comp
Category		Expenditure Type Code	Data Year> FRC>	1997 57C	1997 67C	1997 77C	1997 117C			
1. Telco Plant Labor		CP*, CQ* (EXCLD CQ1)		\$84,275	\$0	\$70,914	\$8,764	\$0	\$0	\$163,953
2. Telco Engineering		CE*		\$568	\$194	\$23,732	\$15,530	\$0	\$0	\$40,024
3. Telco Engineering Projects		NOT APPLICABLE								
4. Other Costs		ALL OTHER CODES		\$19,049	\$0	\$89,170	\$3,093	\$0	\$0	\$111,312
5. Vendor Engineering		463		\$4,635	\$23,175	\$127,352	\$33,483	\$0	\$0	\$188,645
6. Vendor Installation		471,48D,48J,48L,48P,48Q,481		\$6,299	\$0	\$357,080	\$47,400	\$0	\$0	\$410,779
7. Material w/sales tax										
A. - Exempt		CQ1								
B. - Non-exempt		523,524,584,61E,61F,61G,631, ABO,AB9,C,J1,C,J4,C,J6,C,JF		\$382,218	\$76,865	\$1,846,331	\$617,178	\$0	\$0	\$2,922,592
8. State Sales Tax		Current Miscellaneous Loadings		0.0600	0.0600	0.0600	0.0600	0.0600		
9. Non-exempt Mat'l less sales tax		Ln 7B / (1 + Ln 8)		\$360,583	\$72,514	\$1,741,822	\$582,243	\$0	\$0	\$2,757,163
10. Total		Sum Lns 1-7B		\$497,044	\$100,234	\$2,514,579	\$725,448	\$0	\$0	\$3,837,305
11. Material Factor		Ln 10 / Ln 9		1.3784	1.3823	1.4436	1.2460	1.0000 1.3918	1.3918	
12. Telco Factor		Ln 10 / (Ln 5 + Ln 6 + Ln 9)		1.3379	1.0475	1.1295	1.0940	1.0000 1.1432	1.1432	
								surrogate		
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP)										
State Sales Tax from Tax Office										

State: TN COE Inplant Factors Study

	1997 157C	1997 257C	1997 357C	1997 257C+357C	1997 377C	1997 Digit Comp
11 Material Factor	1.1445	1.3694	1.2639	1.3190	1.3138	1.3160
12 Telco Factor	1.1445	1.1706	1.1055	1.1399	1.0792	1.1134
	1997 57C	1997 67C	1997 77C	1997 117C	1997 167C	1997 Other Comp
11 Material Factor	1.3784	1.3823	1.4436	1.2460	1.3918 surrogate	1.3918
12 Telco Factor	1.3379	1.0475	1.1295	1.0940	1.1432 surrogate	1.1432

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TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Inplant Factors – OSP

File: ospip97.xls

State: TN	Metallic All Gauges	Implant Factors Study-Metallic				
Category	Expenditure Type Code Data Year> FRC>	1997 5C	1997 6C	1997 12C	1997 22C	1997 45C
1. Telco Plant Labor	CP*, CQ* (EXCLD CQ1)	\$1,827,009	\$0	\$932,036	\$8,925,464	\$6,457,252
2. Telco Engineering	CE*	\$60,775	\$0	\$231,363	\$1,495,848	\$1,691,745
3. Telco Engineering Projects	NOT APPLICABLE					
4. Other Costs	ALL OTHER CODES	(\$489,760)	\$0	(\$72,368)	\$1,304,176	\$1,446,448
5. Vendor Engineering	463	\$79,081	\$0	\$228,035	\$1,811,343	\$2,689,505
6. Vendor Installation	471,48D,48J,48L,48P,48Q,48I	\$278,702	\$0	\$147,605	\$1,112,131	\$18,641,811
7. Material w/sales tax						
A. - Exempt	CQ1	\$677,981	\$0	\$332,109	\$3,215,070	\$2,236,030
B. - Non-exempt	523,524,584,61E,61F,61G,631, ABO,AB9,CJ1,CJ4,CJ6,CJF	\$728,548	\$0	\$427,494	\$6,296,204	\$7,779,031
8. State Sales Tax	Current Miscellaneous Loadings	0.0600	0.0600	0.0600	0.0600	0.0600
9. Non-exempt Mat'l less sales	Ln 7B / (1 + Ln 8)	\$687,310	\$0	\$403,296	\$5,939,815	\$7,338,708
10. Total	Sum Lns 1-7B	\$3,162,336	\$0	\$2,226,274	\$24,160,236	\$40,941,822
11. Material Factor	Ln 10 / Ln 9	4.6010	1.0000	5.5202	4.0675	5.5789
12. Telco Factor	Ln 10 / (Ln 5 + Ln 6 + Ln 9)	3.0259	1.0000	2.8581	2.7259	1.4280
Sheath Feet Placed			surrogate			surrogate
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP) State Sales Tax from Tax Office						

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State: TN		Metallic-26 Gauge		Inplant Factors Study-26 Gauge					1997 52C	1997 METAL COMP
Category	Expenditure Type Code	Data Year	1997 5C	1997 6C	1997 12C	1997 22C	1997 45C			
1. Telco Plant Labor	CP*, CQ* (EXCLD CQ1)		\$723,861	\$0	\$582,429	\$3,808,495	\$1,998,519	\$36,810	\$ 7,150,116	
2. Telco Engineering	CE*		\$19,047	\$0	\$131,229	\$464,162	\$364,064	\$1,302	\$ 979,803	
3. Telco Engineering Projects	NOT APPLICABLE		\$0	\$0	\$0	\$0	\$0	\$0		
4. Other Costs	ALL OTHER CODES		(\$153,491)	\$0	(\$41,047)	\$404,686	\$311,276	(\$31,199)	\$ 490,225	
5. Vendor Engineering	463		\$24,784	\$0	\$129,341	\$562,060	\$578,781	\$4,067	\$ 1,299,034	
6. Vendor Installation	471,48D,48J,48L,48P,48Q,48I		\$97,518	\$0	\$84,164	\$348,208	\$4,030,360	\$1,756	\$ 4,562,006	
7. Material w/sales tax										
A. - Exempt	CQ1		\$268,616	\$0	\$207,535	\$1,371,870	\$692,051	\$13,158	\$ 2,553,231	
B. - Non-exempt	523,524,584,61E,61F,61G,631, ABO,AB9,CJ1,CJ4,CJ6,CJF		\$228,327	\$0	\$242,475	\$1,953,712	\$1,674,047	\$7,589	\$ 4,106,150	
8. State Sales Tax	Current Miscellaneous Loadings		0.0600	0.0600	0.0600	0.0600	0.0600	0.0600		
9. Non-exempt Mat'l less sales	Ln 7B / (1 + Ln 8)		\$215,403	\$0	\$228,750	\$1,843,125	\$1,579,290	\$7,160	\$ 3,873,727	
10. Total	Sum Lns 1-7B		\$1,208,662	\$0	\$1,336,127	\$8,913,193	\$9,649,098	\$33,484	\$ 21,140,564	
11. Material Factor	Ln 10 / Ln 9		5.6112	1.0000	5.8410	4.8359	6.1098	4.6768	5.4574	
12. Telco Factor	Ln 10 / (Ln 5 + Ln 6 + Ln 9)		3.5790	1.0000	3.0212	3.2372	1.5592	2.5791	2.1717	
				surrogate				surrogate		
Source: WGT.XLS (used for 26 gauge adjustments for copper			FRC 5C	FRC 6C	FRC 12C	FRC 22C	FRC 45C	FRC 52C		
Plant Labor/Exempt Material (% conductor feet placed by gauge)			39.62%	0.00%	62.49%	42.67%	30.95%	69.35%		
Engineering/Non-exempt Material (% investment by gauge)			31.34%	0.00%	56.72%	31.03%	21.52%	59.72%		
Vendor Installation (% sheath feet placed by gauge)			34.99%	0.00%	57.02%	31.31%	21.62%	48.93%		
Sheath Feet Placed										
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP)										
State Sales Tax from Tax Office										

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State: TN		Metallic-24 Gauge		Implant Factors Study-24 Gauge						
Category	Expenditure Type Code	Data Year> FRC>	1997 5C	1997 6C	1997 12C	1997 22C	1997 45C	1997 52C	1997 METAL COMP	
1. Telco Plant Labor	CP*, CQ* (EXCLD CQ1)		\$885,369	\$0	\$307,572	\$3,953,981	\$2,928,364	\$15,812	\$ 8,091,097	
2. Telco Engineering	CE*		\$30,181	\$0	\$82,782	\$703,647	\$737,770	\$814	\$ 1,555,193	
3. Telco Engineering Projects	NOT APPLICABLE		\$0	\$0	\$0	\$0	\$0	\$0		
4. Other Costs	ALL OTHER CODES		(\$243,215)	\$0	(\$25,893)	\$613,484	\$630,796	(\$19,502)	\$ 955,670	
5. Vendor Engineering	463		\$39,272	\$0	\$81,591	\$852,056	\$1,172,893	\$2,542	\$ 2,148,354	
6. Vendor Installation	471,48D,48J,48L,48P,48Q,48I		\$105,684	\$0	\$52,223	\$521,478	\$7,525,699	\$1,719	\$ 8,206,803	
7. Material w/sales tax	CQ1		\$328,550	\$0	\$109,596	\$1,424,276	\$1,014,040	\$5,652	\$ 2,882,114	
A. - Exempt	523,524,584,61E,61F,61G,631,		\$361,797	\$0	\$152,957	\$2,961,734	\$3,392,435	\$4,744	\$ 6,873,668	
B. - Non-exempt	ABO,AB9,CJ1,CJ4,CJ6,CJF									
8. State Sales Tax	Current Miscellaneous Loadings		0.0600	0.0600	0.0600	0.0600	0.0600	0.0600		
9. Non-exempt Mat'l less sales	Ln 7B / (1 + Ln 8)		\$341,318	\$0	\$144,299	\$2,794,089	\$3,200,411	\$4,475	\$ 6,484,593	
10. Total	Sum Lns 1-7B		\$1,507,637	\$0	\$760,827	\$11,030,656	\$17,401,997	\$11,782	\$ 30,712,899	
11. Material Factor	Ln 10 / Ln 9		4.4171	1.0000	5.2726	3.9479	5.4374	2.6325	4.7363	
12. Telco Factor	Ln 10 / (Ln 5 + Ln 6 + Ln 9)		3.1004	4.7363	2.7357	2.6467	1.4625	4.7363	1.8238	
				1.0000				1.3485		
				1.8238				1.8238		
				surrogate				surrogate		
Source: WGT.XLS (used for 24 gauge adjustments for copper			FRC 5C	FRC 6C	FRC 12C	FRC 22C	FRC 45C	FRC 52C		
Plant Labor/Exempt Material (% conductor feet placed by gauge)			48.46%	0.00%	33.00%	44.30%	45.35%	29.79%		
Engineering/Non-exempt Material (% investment by gauge)			49.66%	0.00%	35.78%	47.04%	43.61%	37.33%		
Vendor Installation (% sheath feet placed by gauge)			37.92%	0.00%	35.38%	46.89%	40.37%	47.90%		
Sheath Feet Placed										
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP)										
State Sales Tax from Tax Office										

State: TN		Fiber		Inplant Factors Study-Fiber						
Category		Expenditure Type Code	Data Year> FRC>	1997 85C	1997 86C	1997 812C	1997 822C	1997 845C	1997 852C	1997 FIBER COMP
1. Telco Plant Labor		CP* , CQ* (EXCLD CQ1)		\$949,076	\$0	\$178,294	\$2,471,181	\$1,214,690	\$20,007	\$ 4,833,248
2. Telco Engineering		CE*		\$73,080	\$0	\$17,707	\$155,786	\$148,526	\$353	\$ 395,452
3. Telco Engineering Projects		NOT APPLICABLE								
4. Other Costs		ALL OTHER CODES		(\$168,671)	\$47	(\$4,061)	\$115,804	\$265,152	\$0	\$ 208,271
5. Vendor Engineering		463		\$76,098	\$0	\$14,693	\$294,539	\$328,216	\$1,742	\$ 715,288
6. Vendor Installation		471,48D,48J,48L,48P,48Q,48I		\$409,353	\$1,131	\$34,249	\$390,715	\$2,709,877	\$1,391	\$ 3,546,716
7. Material w/sales tax		CQ1		\$330,452	\$0	\$63,579	\$888,292	\$427,383	\$6,658	\$ 1,716,364
A. - Exempt		523,524,584,61E,61F,61G,631, ABO,AB9,CJ1,CJ4,CJ6,CJF		\$1,659,480	\$0	\$62,690	\$3,450,120	\$1,461,717	\$3,148	\$ 6,637,155
B. - Non-exempt		Current Miscellaneous Loadings		0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	
8. State Sales Tax		Ln 7B / (1 + Ln 8)		\$1,565,547	\$0	\$59,142	\$3,254,830	\$1,378,978	\$2,970	\$ 6,261,467
9. Non-exempt Mat'l less sales tax		Sum Lns 1-7B		\$3,328,868	\$1,178	\$367,151	\$7,766,437	\$6,555,561	\$33,299	\$18,052,494
10. Total		Ln 10 / Ln 9		2.1263	1.0000	6.2080	2.3861	4.7539	11.2125	2.8831
11. Material Factor		Ln 10 / (Ln 5 + Ln 6 + Ln 9)		1.6230	2.8831	3.3969	1.9711	1.4841	2.8831	1.7155
12. Telco Factor					1.7155				5.4563	
					surrogate				1.7155	
					surrogate				surrogate	
Sheath Feet Placed										
SOURCE: Capital dollars from Resource Tracking and Analysis System (RTAP)										
State Sales Tax from Tax Office										

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TN-FACTOR SUMMARY

State: TN	Inplant Factors Study						% OF METALLIC-FUNDAMENTAL FACTOR					
	1997 5C	1997 6C	1997 12C	1997 22C	1997 45C	1997 52C	1997 5C	1997 6C	1997 12C	1997 22C	1997 45C	1997 52C
11 Material Factor For:							ETAL COMP					
Metallic-26 Gauge	5.6112	5.4574	5.8410	4.8359	6.1098	5.4574	5.4574	122%	106%	119%	110%	111%
Metallic-24 Gauge	4.4171	4.7363	5.2726	3.9479	5.4374	4.7363	4.7363	96%	96%	97%	97%	97%
Metallic-Fundamental	4.6010	4.9047	5.5202	4.0675	5.5789	4.9047	4.9047					
		surrogate				surrogate						
11 Material Factor For:							FIBER COMP					
85C	1997	1997	1997	1997	1997	1997						
	85C	86C	812C	822C	845C	852C						
Fiber	2.1263	2.8831	6.2080	2.3861	4.7539	2.8831	2.8831					
		surrogate				surrogate						
12 Telco Factor For:							ETAL COMP					
5C	1997	1997	1997	1997	1997	1997						
	5C	6C	12C	22C	45C	52C						
Metallic-26 Gauge	3.5790	2.1717	3.0212	3.2372	1.5592	2.1717	2.1717	118%	106%	119%	109%	121%
Metallic-24 Gauge	3.1004	1.8238	2.7357	2.6467	1.4625	1.8238	1.8238	102%	96%	97%	102%	102%
Metallic-Fundamental	3.0259	1.7912	2.8581	2.7259	1.4280	1.7912	1.7912					
		surrogate				surrogate						
12 Telco Factor For:							FIBER COMP					
85C	1997	1997	1997	1997	1997	1997						
	85C	86C	812C	822C	845C	852C						
Fiber	1.6230	1.7155	3.3969	1.9711	1.4841	1.7155	1.7155					
		surrogate				surrogate						

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TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Hard-wired Factors

File: pihw97.xls

STATE: TENNESSEE
SOURCE DATA: 1997

1997 PLUG-IN AND HARDWIRE STUDY

FRC A	FILE 542			PRELIM		FILE 542		PRELIM	
	PLUG-IN INVESTMENT			PLUG-IN	PLUG-IN	HARDWIRE INVESTMENT		HARDWIRE	HARDWIRE
	MATERIAL	INPLACE		FACTOR	FACTOR	MATERIAL	INPLACE	FACTOR	FACTOR
	B	C		D	E	F	G	H	I
				(C/B)	(min=1.060)			(G/F)	(min=1.060)
57C	\$ 275,077	\$ 289,412	1.0521	1.0600	\$ 105,777.02	\$ 122,295.45	1.1562	1.1562	1.1562
67C	\$ 600	\$ 625	1.0749	1.0749	\$ 9,762.56	\$ 10,453.85	2.2186	2.2186	2.2186
77C	\$ 1,102,222	\$ 1,190,755	1.0803	1.0803	\$ 889,717.23	\$ 1,932,084.83	2.1716	2.1716	2.1716
117C	\$ 316,137	\$ 340,204	1.0761	1.0761	\$ 36,960.42	\$ 247,404.62	6.6938	6.6938	6.6938
167C	\$ 1,200	\$ 1,200	1.0749	1.0749	\$ -	\$ -	2.2186	2.2186	2.2186
SUBTOTAL	\$ 1,695,235	\$ 1,822,196	1.0749	1.0749	\$ 1,042,217.23	\$ 2,312,238.75	2.2186	2.2186	2.2186
157C	\$ 819,552	\$ 867,084	1.0580	1.0600	\$ 8,550.13	\$ 9,216.61	2.4367	2.4367	2.4367
257C	\$ 29,274,897	\$ 31,184,848	1.0652	1.0652	\$ 16,881,049.16	\$ 34,880,557.97	2.0663	2.0663	2.0663
357C	\$ 32,892,029	\$ 35,049,334	1.0656	1.0656	\$ 6,382,300.80	\$ 20,692,286.26	3.2421	3.2421	3.2421
COMPOSITE 257C/357C	\$ 62,166,926	\$ 66,234,182	1.0654	1.0654	\$ 23,263,349.96	\$ 55,572,844.23	2.3889	2.3889	2.3889
377C	\$ 42,828,119	\$ 45,678,939	1.0666	1.0666	\$ 16,096,364.08	\$ 40,347,789.76	2.5066	2.5066	2.5066
SUBTOTAL	\$ 105,814,597	\$ 112,780,206	1.0658	1.0658	\$ 39,368,264.17	\$ 95,929,850.60	2.4367	2.4367	2.4367
TOTAL	\$ 107,509,832	\$ 114,602,402	1.0660	1.0660	\$ 40,410,481.40	\$ 98,242,089.35	2.4311	2.4311	2.4311

Note: Use column D if it is higher than 1 + Tax Rate. Otherwise, use 1 + Tax Rate because Plug-in Inplace costs includes material costs, transportation, taxes and prorated portion of installed labor charges, engineering and certain other costs accumulated during the year for the involved accounting location and subaccount.

SOURCE: File 542, Investments from Finance, Tax rates from Tax Office, and Material Factor from In-Plant - COE Study

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TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Supporting Equipment & Power Loadings

File: se&p97.xls

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TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Plant specific Expense Factors
Land & Building Loadings

File: plntsp98.xls

Calculation of Plant Specific Expense to Investment Ratios

Forward Looking Studies - 1998-2000

Tennessee

Line	SCALE=000	DESCRIPTION	ANALOG										DIGITAL																
			BUILDINGS - GEN PRPSE					DIGITAL ELEC					OPERATOR					DATA					DIGTL CIRC-						
			LAND 2111	COE 2121	COMPUTERS 2124	ELEC SWITCH 2211	SWITCH 2212	77C	377C, 587C	117C	RADIO 2231	SYSTEMS 2232	PAIR GAIN 2232	OTHER 2232	ANALOG CIRC 2232														
Account			ALL			LESS 633			77C			377C, 587C			117C			67C, 167C			257C,D257C, F257C			357			57C, 457C		
1	MR Book Investment 1996 EOY	Reg Investments	10,889	226,995	224,347	66,027	774,482	20,981	2,497	14,174	539,029	454,403	62,745																
2	MR Book Investment 1997 EOY	Reg Investments	10,793	242,983	212,294	68,770	828,755	19,476	2,304	14,917	603,958	502,467	61,093																
3	1998 Additions	Construction Budget	50	12,472	10,002	-325	50,340	231	-18	-144	63,000	23,502	0																
4	Investment 1998 EOY	Ln2 + Ln3	10,843	255,455	222,296	68,445	879,095	19,707	2,287	14,773	666,958	525,968	61,093																
5	1999 Additions	Construction Budget	50	6,141	5,437	-2,600	34,600	477	-19	-320	63,400	17,653	0																
6	Investment 1999 EOY	Ln4 + Ln5	10,893	261,596	227,733	65,845	913,695	20,184	2,267	14,454	730,358	543,621	61,093																
7	2000 Additions	Construction Budget	50	6,200	10,766	-1,800	36,000	478	-21	-425	63,500	17,555	0																
8	Investment 2000 EOY	Ln6 + Ln7	10,943	267,796	238,499	64,045	949,895	20,662	2,246	14,029	793,858	561,176	61,093																
9	Average Investment 1997	(Ln1 + Ln2)/2	10,841	234,989	218,321	67,399	801,619	20,229	2,401	14,546	571,493	478,435	61,919																
10	Average Investment 1998	(Ln2 + Ln3)/2	10,818	249,219	217,295	68,607	853,925	19,592	2,296	14,845	635,458	514,217	61,093																
11	Average Investment 1999	(Ln4 + Ln5)/2	10,868	258,526	225,015	67,145	896,395	19,946	2,277	14,613	698,658	534,795	61,093																
12	Average Investment 2000	(Ln6 + Ln7)/2	10,918	264,696	233,116	64,945	931,695	20,423	2,257	14,241	762,108	552,398	61,093																
13	Curr Cost / Book Cost	Capital Recovery	2,110	2,110	0,619	1,603	1,103	1,068	1,379	0,978	0,999	0,999	0,999																
14	1997 Curr Average Investment	Ln13 * Ln9	22,875	495,828	135,140	108,040	884,185	21,604	3,310	14,226	570,922	477,956	61,857																
15	1998 Curr Average Investment	Ln14 + (Ln10 - Ln9)	22,852	510,058	134,115	109,249	936,492	20,968	3,205	14,525	634,886	513,739	61,031																
16	1999 Curr Average Investment	Ln15 + (Ln11 - Ln10)	22,902	519,364	141,834	107,786	978,962	21,322	3,187	14,293	698,086	534,316	61,031																
17	2000 Curr Average Investment	Ln16 + (Ln12 - Ln11)	22,952	525,535	149,936	105,586	1,014,262	21,799	3,167	13,921	761,536	551,920	61,031																
18	1998-2000 Curr Avg Investment	(Ln15+Ln16+Ln17)/3	22,902	518,319	141,962	107,540	976,572	21,363	3,186	14,247	698,169	533,325	61,031																
19	Expense Account - Lev A		----	6121	6124	6211	6212	6220	6231	6232	6232	6232	6232																
20	Expense - 1997 Actual	Reg Expenses	0	35,772	25,448	3,608	53,421	1,714	6	233	11,370	7,631	525																
21	Service Order Adjustment	Service Order Study				451	4,397	0	0	0	533	1,220	5																
22	RTU Adjustment	RTU Fees / Study					16,911																						
23	Rental Revenue	Reg Acc 5240		616																									
24	Adjusted Exps, Lev A - 1997	Ln20-Ln21-Ln22-Ln23	0	35,156	25,448	3,158	32,113	1,714	6	233	10,837	6,411	520																
25	Expense Account - Lev B		6110	6120	6120	6210	6210	6220	6230	6230	6230	6230	6230																
26	Expense - 1997 Actual	Reg Expenses	1,394	66,113	66,113	57,029	57,029	1,714	19,767	19,767	19,767	19,767	19,767																
27	Ratio: Lev A / Lev B	Ln24 / Ln26	0.0000	0.5317	0.3849	0.0554	0.5631	1.0000	0.0003	0.0118	0.5482	0.3243	0.0263																
28	Level B Account		Network Support	General Support	General Support	CO Switching	CO Switching	CO Operator Systems	Radio	Transmissions	Transmissions	Transmissions	CO																
29	Average Exp - Lev B (1988-2000)	Regulatory Forecast	1,451	67,844	67,844	59,428	59,428	1,830	21,139	21,139	21,139	21,139	21,139																
30	Average Exp - Lev A (1988-2000)	Ln23 * Ln 25	0	36,076	26,114	3,291	33,464	1,830	7	249	11,589	6,856	556																
31	Adj Ratio:Oper Expense / Invest.	Ln30 / Ln18	0.0000	0.0696	0.1940	0.0306	0.0343	0.0857	0.0022	0.0175	0.0166	0.0129	0.0091																
32	Commercial Power - COE	Acc 6531 / Ln18	-----	-----	-----	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024																
33	Plant Specific Factor	Ln31 + Ln32	0.0000	0.0696	0.1940	0.0331	0.0367	0.0881	0.0046	0.0199	0.0190	0.0153	0.0116																

Tennessee

PLNTSP98.xls

STRUCTURES LOADING FACTORS:		
	SOURCE	FACTORS
34 Poles - Embedded (1997)	Ln2: AC2411/AC2421	0.1989
35 Conduit - Embedded (1997)	Ln2: AC2441/AC2422	0.6738
36 Poles - F'wrd Looking ('98-'00)	Ln18: AC2411/AC2421	0.3349
37 Conduit - F'wrd Looking ('98-'00)	Ln18: AC2441/AC2422	0.8478

Tennessee

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Calculation of Plant Specific Expense to Investment Ratios

Forward Looking Studies - 1998-2000

BellSouth Telecommunications

Line	SCALE=000	DESCRIPTION	Account	BUILDINGS - GEN PRPSE				ANALOG		DIGITAL ELEC		OPERATOR		RADIO		DIGITAL DATA SYSTEMS		DIGTL CIRC- PAIR GAIN		DIGTL CIRC- OTHER		ANALOG CIRC	
				LAND	COE	COMPUTERS	ELEC	SWITCH	SWITCH	SYSTEMS	SYSTEMS	2231	2232	2220	2232	2232	2232	2232	2232	2232	2232	2232	2232
				2111	2121	2124	2211	2212	2212	2220	2231	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
				ALL	ALL	LESS 633	77C	377C, 587C	117C	67C, 167C	157C	257C, D257C, F257C	357	57C, 457C									
1	MR Book Investment 1996 EOY	Reg Investments	156 829	2 732 540	1 825 437	1 334 143	6 513 892	142 992	98 676	88 816	4 810 790	3 756 686	501 819										
2	MR Book Investment 1997 EOY	Reg Investments	153 870	2 732 308	1 816 124	1 238 991	6 968 546	152 690	92 373	95 210	5 333 743	4 113 244	489 644										
3	1998 Additions	Construction Budget	1 989	83 919	103 746	-74 910	557 604	6 984	-2 900	-6 953	424 100	187 260	0										
4	Investment 1998 EOY	Ln2 + Ln3	155 859	2 816 227	1 919 869	1 164 081	7 526 150	159 674	89 474	88 257	5 757 843	4 300 504	489 644										
5	1999 Additions	Construction Budget	1 490	66 520	42 759	-100 650	491 176	3 069	-618	-1 991	406 400	149 892	0										
6	Investment 1999 EOY	Ln4 + Ln5	157 349	2 882 747	1 962 628	1 063 431	8 017 326	162 743	88 856	86 265	6 164 243	4 450 396	489 644										
7	2000 Additions	Construction Budget	1 490	67 200	107 152	-70 550	488 110	2 956	880	-1 109	413 650	141 144	0										
8	Investment 2000 EOY	Ln6 + Ln7	158 839	2 949 947	2 069 780	992 881	8 505 436	165 699	89 736	85 156	6 577 893	4 591 539	489 644										
9	Average Investment 1997	(Ln1 + Ln2)/2	155 350	2 732 424	1 820 780	1 286 567	6 741 219	147 841	95 525	92 013	5 072 267	3 934 965	495 731										
10	Average Investment 1998	(Ln2 + Ln3)/2	154 865	2 774 267	1 867 996	1 201 536	7 247 348	156 182	90 923	91 733	5 545 793	4 206 874	489 644										
11	Average Investment 1999	(Ln4 + Ln5)/2	156 604	2 849 487	1 941 249	1 113 756	7 771 738	161 208	89 165	87 261	5 961 043	4 375 450	489 644										
12	Average Investment 2000	(Ln6 + Ln7)/2	158 094	2 916 347	2 016 204	1 028 156	8 261 381	164 221	89 296	85 711	6 371 068	4 520 967	489 644										
13	Curr Cost / Book Cost	Composite: Ln14/Ln9	1 9717	1 9850	0 6053	1 4867	1 0960	1 0647	1 2589	0 9346	1 0002	1 0027	1 0049										
14	1997 Curr Average Investment	Ln13 + Ln9	306 298	5 423 827	1 102 186	1 912 776	7 388 294	157 400	120 260	85 999	5 073 282	3 945 406	498 174										
15	1998 Curr Average Investment	Ln14 + (Ln10 - Ln9)	305 813	5 465 670	1 149 402	1 827 745	7 894 423	165 741	115 659	85 719	5 546 809	4 217 315	492 087										
16	1999 Curr Average Investment	Ln15 + (Ln11 - Ln10)	307 552	5 540 889	1 222 654	1 739 965	8 418 813	170 768	113 900	81 247	5 962 059	4 385 891	492 087										
17	2000 Curr Average Investment	Ln16 + (Ln12 - Ln11)	309 042	5 607 749	1 297 610	1 654 365	8 908 456	173 780	114 031	79 697	6 372 084	4 531 409	492 087										
18	1998-2000 Curr Avg Investment	(Ln15+Ln16+Ln17)/3	307 469	5 538 103	1 223 222	1 740 692	8 407 231	170 096	114 530	82 221	5 960 317	4 378 205	492 087										
19	Expense Account - Lev A		----	6121	6124	6211	6212	6220	6231	6232	6232	6232	6232	6232									
20	Expense - 1997 Actual	Reg Expenses	0	264 109	213 421	68 938	427 706	21 333	589	2 155	100 899	72 959	6 358										
21	Service Order Adjustment	Service Order Study	0	0	0	9 867	28 688	0	0	803	3 878	11 912	1 395										
22	RTU Adjustment	RTU Fees / Study	0	0	0	0	128 322	0	0	0	0	0	0										
23	Rental Revenue	Reg Acct 5240	0	3 061	0	0	0	0	0	0	0	0	0										
24	Adjusted Exps, Lev A - 1997	Ln20-Ln21-Ln22-Ln23	0	261 047	213 421	59 071	270 697	21 333	589	1 352	97 021	61 047	4 963										
25	Expense Account - Lev B		6110	6120	6120	6210	6210	6220	6230	6230	6230	6230	6230	6230									
26	Expense - 1997 Actual	Reg Expenses	10 144	550 063	550 063	496 644	496 644	21 333	182 962	182 962	182 962	182 962	182 962										
27	Ratio: Lev A / Lev B	Ln24 / Ln26	0 0000	0 4746	0 3880	0 1189	0 5451	1 0000	0 0032	0 0074	0 5303	0 3337	0 0271										
28	Level B Account																						
29	Average Exp - Lev B (1988-2000)	Regulatory Forecast	10 753	568 700	568 700	517 719	517 719	22 772	195 676	195 676	195 676	195 676	195 676										
30	Average Exp - Lev A (1988-2000)	Ln23 + Ln25	0	269 892	220 652	61 578	282 184	22 772	630	1 446	103 763	65 290	5 308										
31	Adj Ratio: Oper Expense / Invest.	Ln30 / Ln18	0 0000	0 0487	0 1804	0 0354	0 0336	0 1339	0 0055	0 0176	0 0174	0 0149	0 0108										
32	Commercial Power - COE	Acct 6531 / Ln18	-----	-----	-----	0 0025	0 0025	0 0025	0 0025	0 0025	0 0025	0 0025	0 0025										
33	Plant Specific Factor	Ln31 + Ln32	0 0000	0 0487	0 1804	0 0379	0 0361	0 1364	0 0080	0 0201	0 0199	0 0174	0 0133										

Calculation of Plant Specific Expense to Investment Ratios

Forward Looking Studies - 1998-2000

BellSouth Telecommunications

Line	SCALE=000	DESCRIPTION	Account	POLES 2411	AERIAL CA -		UNGROUND		UNGROUND		BURIED CA -		SUBMARINE		INTRBLD		CONDUIT	
					METAL 2421	FIBER 2421	CA - METAL 2422	CA - FIBER 2422	METAL 2423	FIBER 2423	CA - METAL 2424	CA - FIBER 2424	METAL 2426	FIBER 2426	NTWK- FIBER 2426	NTWK- FIBER 2426	SYS 2441	
			FRC	1C	22C, 12C 812C, D22C, 822C,		5C	88C, D5C, F5C, T5C	45C	845C, D45C, F45C, T45C	6C	88C, D6C, F6C	52C	852C, D52C, F52C, T52C			4C	
1	MR Book Investment 1996 EOY	Reg Investments	894,165		4,436,014	332,488	2,367,257	667,984	9,072,194	665,171	18,216	4,233	177,772	1,422	2,180,583			
2	MR Book Investment 1997 EOY	Reg Investments	915,852		4,593,639	360,096	2,384,972	699,700	9,461,108	740,027	17,770	4,217	177,065	1,776	2,219,424			
3	1998 Additions	Construction Budget	23,356		208,306	59,255	25,997	66,453	428,233	79,574	-420	-123	947	-33	58,906			
4	Investment 1998 EOY	Ln2 + Ln3	939,208		4,801,945	419,351	2,410,969	766,153	9,889,341	819,600	17,350	4,094	178,012	1,743	2,278,329			
5	1999 Additions	Construction Budget	20,030		210,032	58,773	26,305	65,509	428,052	79,418	-491	-71	1,090	-31	55,252			
6	Investment 1999 EOY	Ln4 + Ln5	959,238		5,011,977	478,124	2,437,274	831,662	10,317,393	899,018	16,859	4,023	179,101	1,712	2,333,581			
7	2000 Additions	Construction Budget	20,144		208,056	58,811	25,754	65,031	425,864	79,257	-491	-71	994	-33	55,264			
8	Investment 2000 EOY	Ln6 + Ln7	979,382		5,220,033	536,935	2,463,028	896,692	10,743,256	978,275	16,368	3,952	180,095	1,679	2,388,845			
9	Average Investment 1997	(Ln1 + Ln2)/2	905,008		4,514,826	346,292	2,376,114	693,842	9,266,551	702,599	17,993	4,225	177,418	1,599	2,200,004			
10	Average Investment 1998	(Ln2 + Ln4)/2	927,530		4,697,792	399,723	2,397,970	732,927	9,675,225	779,813	17,560	4,156	177,539	1,759	2,248,877			
11	Average Investment 1999	(Ln4 + Ln6)/2	949,223		4,906,961	448,738	2,424,121	798,907	10,103,367	859,309	17,105	4,058	178,557	1,727	2,305,955			
12	Average Investment 2000	(Ln6 + Ln8)/2	969,310		5,116,005	507,530	2,450,151	864,177	10,530,325	938,647	16,614	3,987	179,598	1,696	2,361,213			
13	Curr Cost / Book Cost	Capital Recovery	2,5076		1,4913	0,8871	1,4844	0,8082	1,3416	0,9598	1,7340	1,6559	1,4730	0,8924	1,6476			
14	1997 Curr Average Investment	Ln13 * Ln9	2,269,421		6,732,971	307,208	3,527,106	551,344	12,432,089	674,333	31,200	6,996	261,330	1,427	3,624,644			
15	1998 Curr Average Investment	Ln14 * (Ln10 - Ln9)	2,291,943		6,915,937	350,640	3,548,962	600,428	12,840,663	751,547	30,767	6,927	261,450	1,587	3,673,517			
16	1999 Curr Average Investment	Ln15 * (Ln11 - Ln10)	2,313,636		7,125,106	409,654	3,575,113	666,409	13,268,805	831,043	30,312	6,829	262,468	1,555	3,730,596			
17	2000 Curr Average Investment	Ln16 * (Ln12 - Ln11)	2,333,723		7,334,150	468,446	3,601,143	731,679	13,695,763	910,381	29,821	6,758	263,509	1,524	3,785,854			
18	1998-2000 Curr Avg Investment	(Ln15+Ln16+Ln17)/3	2,313,101		7,125,064	409,580	3,575,073	666,172	13,268,410	830,990	30,300	6,838	262,475	1,555	3,729,989			
19	Expense Account - Lev A		6411	6421	6421	6421	6422	6422	6423	6423	6424	6424	6426	6426	6441			
20	Expense - 1997 Actual	Reg Expenses	70,616		302,429	1,244	63,794	2,054	532,859	2,265	70	3	2,654	22	9,183			
21	Service Order Adjustment	Service Order Study	0		53,497	244	0	0	151,802	650	0	0	893	12	0			
22	RTU Adjustment	RTU Fees / Study	0		0	0	0	0	0	0	0	0	0	0	0			
23	Rental Revenue	Reg Acct 5240	6,227		0	0	0	0	0	0	0	0	0	0	0			
24	Adjusted Exps, Lev A - 1997	Ln20-Ln21-Ln22-Ln23	64,389		248,932	999	63,794	2,054	381,056	1,615	70	3	1,760	10	8,277			
25	Expense Account - Lev B		6410	6410	6410	6410	6410	6410	6410	6410	6410	6410	6410	6410	6410			
26	Expense - 1997 Actual	Reg Expenses	1,006,019		1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019	1,006,019			
27	Ratio: Lev A / Lev B	Ln24 / Ln26	0,0640		0,2474	0,0010	0,0634	0,0020	0,3788	0,0016	0,0001	0,0000	0,0017	0,0000	0,0082			
28	Level B Account																	
29	Average Exp - Lev B (1998-2000)	Regulatory Forecast	1,120,604		1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604	1,120,604			
30	Average Exp - Lev A (1998-2000)	Ln23 * Ln 25	71,723		277,285	1,113	71,060	2,288	424,458	1,799	78	3	1,961	11	9,220			
31	Adj Ratio: Oper Expense / Invest.	Ln30 / Ln13	0,0310		0,0389	0,0027	0,0199	0,0034	0,0320	0,0022	0,0026	0,0004	0,0075	0,0071	0,0025			
32	Commercial Power - COE	Acct 6531 / Ln13	0,0310		0,0389	0,0027	0,0199	0,0034	0,0320	0,0022	0,0026	0,0004	0,0075	0,0071	0,0025			
33	Plant Specific Factor	Ln31 + Ln32	0,0310		0,0389	0,0027	0,0199	0,0034	0,0320	0,0022	0,0026	0,0004	0,0075	0,0071	0,0025			

STRUCTURES LOADING FACTORS:		SOURCE	FACTORS
34	Poles - Embedded (1997)	Ln2: AC2411/AC2421	0.1849
35	Conduit - Embedded (1997)	Ln2: AC2441/AC2422	0.7195
36	Poles - F'wrd Looking ('98-'00)	Ln18: AC2411/AC2421	0.3070
37	Conduit - F'wrd Looking ('98-'00)	Ln18: AC2441/AC2422	0.8795

		ACFC PIt
State	ield Code	Specific Exp
TN	20C	0.0000
TN	10C	0.0696
TN	377C	0.0367
TN	377CP	0.0367
TN	117C	0.0881
TN	157C	0.0199
TN	257C	0.0190
TN	357C	0.0153
TN	1C	0.0330
TN	1CP	0.0330
TN	12C	0.0433
TN	22C	0.0433
TN	812C	0.0037
TN	822C	0.0037
TN	5C	0.0185
TN	85C	0.0034
TN	45C	0.0283
TN	845C	0.0011
TN	6C	0.0000
TN	86C	0.0000
TN	52C	0.0047
TN	852C	0.0000
TN	4C	0.0019
TN	4CP	0.0019
TN	530C	0.1840
TN	630C	0.1840

		ACFC PIt
State	ield Code	Specific Exp
BST	20C	0.0000
BST	10C	0.0487
BST	377C	0.0361
BST	377CP	0.0361
BST	117C	0.1364
BST	157C	0.0201
BST	257C	0.0199
BST	357C	0.0174
BST	1C	0.0310
BST	1CP	0.0310
BST	12C	0.0389
BST	22C	0.0389
BST	812C	0.0027
BST	822C	0.0027
BST	5C	0.0199
BST	85C	0.0034
BST	45C	0.0320
BST	845C	0.0022
BST	6C	0.0026
BST	86C	0.0004
BST	52C	0.0075
BST	852C	0.0071
BST	4C	0.0025
BST	4CP	0.0025
BST	530C	0.1804
BST	630C	0.1804

		DATA SOURCE: EOY 1997	1997 BELLSOUTH CALCULATION OF EMBEDDED LAND AND BUILDING LOADING FACTORS				TENNESSEE	BELLSOUTH
1. ACCOUNT 2111 - LAND		CSS					10,793,249	153,869,990
2. ACCOUNT 2121 - BUILDING		CSS					242,983,437	2,732,307,788
3. TOTAL LAND & BLDG.		LN 1 + LN 2					253,776,686	2,886,177,778
4. ACCT 2124 - GEN PUR COMP		CSS					212,371,061	1,817,337,997
5. ACCOUNT 2200 - COE		CSS					2,101,741,133	18,484,440,153
6. AC2121, CP 2- BUILDINGS ASSOC W/CO		CSS					146,623,553	1,487,330,937
6A. - PERCENT OF TOTAL BUILDINGS		LN 6/LN2					60.34%	54.43%
7. AC2121, CP 8- BUILDINGS ASSOC W/G		CSS					34,822,547	249,477,505
7A. - PERCENT OF TOTAL BUILDINGS		LN 7/LN2					14.33%	9.13%
8. PERCENT LAND		LN 1/LN 3					4.25%	5.35%
9. PERCENT BUILDING		LN 2/LN 3					95.75%	94.67%
10. TOTAL %		LN 8 + 9					100.00%	100.00%
CALCULATION OF EMBEDDED L&B FACTORS								
11. CENTRAL OFFICE - LAND		(LN 6A*LN1)/LN5					0.00310	0.00453
12. CENTRAL OFFICE - BUILDING		LN 6/LN5					0.06976	0.08046
13. GEN PUR COMPUTER - LAND		(LN 7A*LN1)/LN4					0.00728	0.00773
14. GEN PUR COMPUTER - BUILDING		LN 7/LN4					0.16397	0.13728

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								1998 - 2000 PROJECTED				
								CALCULATION OF	LOADING FACTORS	FORWARD LOOKING LAND AND BUILDING		
											TENNESSEE	BELLSOUTH
		SCALE=000										
DATA SOURCE:												
15. ACCOUNT 2111 - LAND		1998-2000 AVG									22,902	307,469
16. ACCOUNT 2121 - BUILDING		1998-2000 AVG									518,319	5,538,103
17. TOTAL LAND & BLDG.		LN 15 + LN 16									541,221	5,845,572
18. ACCT 2124 - GEN PUR COMP		1998-2000 AVG									141,962	1,223,222
19. ACCOUNT 2200 - COE		1998-2000 AVG									2,415,434	21,345,379
20. AC2121, BUILDINGS ASSOC W/COE		LN 6A * LN 16									312,754	3,033,105
21. AC2121, BUILDINGS ASSOC W/GPC		LN 7A * LN 16									74,275	498,177
CALCULATION OF FORWARD LOOKING L&B FACTORS:												
11. CENTRAL OFFICE - LAND		LN6A)/(LN15)/LN19									0.00572	0.00784
12. CENTRAL OFFICE - BUILDING		LN 20 / LN 19									0.12948	0.14210
13. GEN PUR COMPUTER - LAND		LN7A)/(LN15)/LN18									0.02312	0.02295
14. GEN PUR COMPUTER - BUILDING		LN 21 / LN 18									0.52320	0.40727

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[illegible]

REGULATED PLANT-IN-SERVICE MR INVESTMENT AS OF 12/31/96						
CSS EXTRACT FURNISHED 7/15/98 BY PAT MCCLELLAN (404/927-8116)						
STATE	ACCT	FRC	CAP/ MTCE	COST POOL	REGULATED INVESTMENT BY FRC	
TN	2111	20	C		1	10889454
TN	2112	40	C		1	48100497
TN	2112	40	C		3	317479
TN	2112	40	C		4	553094
TN	2112	40	C		5	239476
TN	2112	40	C		6	3690885
TN	2115	340	C		5	967790
TN	2115	341	C		6	9589
TN	2116	540	C		1	21555968
TN	2116	540	C		2	9365294
TN	2116	541	C		3	186028
TN	2121	10	C		1	128121
TN	2121	10	C		2	117767980
TN	2121	10	C		3	15725870
TN	2121	10	C		4	13913099
TN	2121	10	C		5	19324426
TN	2121	10	C		6	13580726
TN	2121	10	C		7	4490183
TN	2121	10	C		8	35786510
TN	2121	110	C		1	3644
TN	2121	110	C		2	3349941
TN	2121	110	C		3	447327
TN	2121	110	C		4	395762
TN	2121	110	C		5	549688
TN	2121	110	C		6	386307
TN	2121	110	C		7	127724
TN	2121	110	C		8	1017957
TN	2122	30	C		1	342964
TN	2122	30	C		2	2729160
TN	2122	130	C		2	47452
TN	2122	331	C		3	1185800
TN	2123	430	C		1	461877
TN	2123	430	C		2	4076228
TN	2123	658	C		3	4919244
TN	2123	718	C		3	1255130
TN	2123	731	C		4	1050776
TN	2123	768	C		3	1042
TN	2124	530	C		2	151401812
TN	2124	531	C		4	26212
TN	2124	630	C		3	72919028
TN	2124	633	C		3	17387624
TN	2211	77	C		1	941979
TN	2211	77	C		2	3410852
TN	2211	77	C		3	4369112
TN	2211	77	C		4	57269488

TN	2211	577	C	3	35806
TN	2212	377	C	1	138399
TN	2212	377	C	2	20305751
TN	2212	377	C	3	613185
TN	2212	377	C	4	672619325
TN	2212	377	C	5	80791817
TN	2212	587	C	5	13653
TN	2215	537	C	1	2421
TN	2215	547	C	1	1934
TN	2220	117	C	1	12581863
TN	2220	117	C	2	8398935
TN	2231	67	C	1	2264439
TN	2231	167	C	1	228579
TN	2231	527	C	1	786
TN	2231	567	C	1	2808
TN	2232	57	C	1	62730624
TN	2232	157	C	1	14173856
TN	2232	257	C	1	329223728
TN	2232	257	C	3	209805229
TN	2232	357	C	1	77442151
TN	2232	357	C	4	376908348
TN	2232	557	C	1	52370
TN	2232	597	C	1	14843
TN	2311	318	C	1	30691
TN	2341	158	C	1	4881060
TN	2341	458	C	1	1886828
TN	2341	468	C	1	306766
TN	2351	198	C	1	21132086
TN	2351	298	C	1	232223
TN	2351	988	C	1	3133
TN	2351	998	C	1	5144989
TN	2362	378	C	1	2325679
TN	2362	558	C	1	9238247
TN	2362	828	C	1	196890
TN	2362	858	C	1	11488370
TN	2362	868	C	1	15308
TN	2362	958	C	1	1717377
TN	2411	1	C	1	128451052
TN	2421	12	C	1	40908792
TN	2421	22	C	1	528474823
TN	2421	248	C	1	5571292
TN	2421	812	C	3	1086386
TN	2421	812	C	4	1223304
TN	2421	822	C	3	28807077
TN	2421	822	C	4	32440819
TN	2422	5	C	1	226568771
TN	2422	85	C	3	25415178
TN	2422	85	C	4	31684864
TN	2423	45	C	1	754701380
TN	2423	548	C	1	3917671
TN	2423	845	C	3	16827093

TN	2423	845	C	4	21126608
TN	2424	6	C	1	1086933
TN	2424	86	C	3	53515
TN	2424	86	C	4	66409
TN	2426	52	C	1	19908964
TN	2426	852	C	3	97084
TN	2441	4	C	1	188802787
TN	2681	50	C	1	1376715
TN	2681	53	C	6	5229138
TN	2681	450	C	4	51472
TN	2682	350	C	1	4926142
TN	2682	353	C	4	20141
TN	2682	950	C	2	75990

EOY97 REG INV

REGULATED PLANT-IN-SERVICE MR INVESTMENT AS OF 12/31/97
 CSS EXTRACT FURNISHED 7/14/98 BY PAT MCCLELLAN (404/927-8116)

STATE	ACCT	FRC	CAP/ MTCE	COST POOL	REGULATED INVESTMENT BY FRC
TN	2111	20	C	1	10793249
TN	2112	40	C	1	49719340
TN	2112	40	C	3	230282
TN	2112	40	C	4	283534
TN	2112	40	C	5	19935
TN	2112	40	C	6	4891106
TN	2115	340	C	5	1120470
TN	2116	540	C	1	32625218
TN	2116	540	C	2	946265
TN	2121	10	C	1	189975
TN	2121	10	C	2	142535902
TN	2121	10	C	3	17815369
TN	2121	10	C	4	14776939
TN	2121	10	C	5	11424347
TN	2121	10	C	6	10892304
TN	2121	10	C	7	4722831
TN	2121	10	C	8	33851745
TN	2121	110	C	1	5448
TN	2121	110	C	2	4087651
TN	2121	110	C	3	510910
TN	2121	110	C	4	423774
TN	2121	110	C	5	327628
TN	2121	110	C	6	312370
TN	2121	110	C	7	135442
TN	2121	110	C	8	970802
TN	2122	30	C	1	329464
TN	2122	30	C	2	2724291
TN	2122	130	C	2	47713
TN	2123	430	C	1	395522
TN	2123	430	C	2	3463429
TN	2123	658	C	3	7372098
TN	2123	668	C	3	490394
TN	2123	718	C	3	1212213
TN	2123	728	C	3	-16333
TN	2123	768	C	3	1042
TN	2124	530	C	2	137940307
TN	2124	630	C	3	74430754
TN	2124	633	C	3	19400847
TN	2124	730	C	3	-77067
TN	2211	77	C	1	942392
TN	2211	77	C	2	3771378
TN	2211	77	C	3	4567583

000203

EOY97 REG INV

TN	2211	77	C	4	59488576
TN	2212	377	C	1	176705
TN	2212	377	C	2	15780389
TN	2212	377	C	3	548442
TN	2212	377	C	4	723927509
TN	2212	377	C	5	88322280
TN	2220	117	C	1	6516689
TN	2220	117	C	2	12959739
TN	2231	67	C	1	2262647
TN	2231	167	C	1	41774
TN	2232	57	C	1	61093357
TN	2232	157	C	1	14917449
TN	2232	257	C	1	368862759
TN	2232	257	C	3	235094889
TN	2232	357	C	1	85652244
TN	2232	357	C	4	416814332
TN	2311	318	C	1	29808
TN	2341	158	C	1	5045200
TN	2341	458	C	1	2016524
TN	2341	468	C	1	426973
TN	2362	378	C	1	2452869
TN	2362	558	C	1	10430275
TN	2362	828	C	1	199095
TN	2362	858	C	1	11422900
TN	2362	868	C	1	15308
TN	2362	958	C	1	1717377
TN	2411	1	C	1	133364203
TN	2421	12	C	1	42906213
TN	2421	22	C	1	558194419
TN	2421	248	C	1	268754
TN	2421	812	C	3	863223
TN	2421	812	C	4	1788655
TN	2421	822	C	3	21690638
TN	2421	822	C	4	44955002
TN	2422	5	C	1	226273966
TN	2422	85	C	3	19370606
TN	2422	85	C	4	40150199
TN	2423	45	C	1	793174985
TN	2423	548	C	1	208694
TN	2423	845	C	3	15004357
TN	2423	845	C	4	28760987
TN	2424	6	C	1	1086933
TN	2424	86	C	3	39087
TN	2424	86	C	4	81036
TN	2426	52	C	1	19796067
TN	2426	852	C	3	130369
TN	2441	4	C	1	192554326
TN	2681	50	C	1	1357285
TN	2681	53	C	6	5166352

000204

EOY97 REG INV

TN	2681	450 C	4	2
TN	2682	350 C	1	6139019
TN	2682	353 C	4	19899
TN	2682	950 C	2	75488

[illegible]

000207

[illegible]

6421	2000	T22M								198.16	6,430.56
6421	2000	T22R								276,813.88	1,000,128.44
6421	2000										
6421	2000	982M								249.87	743.56
6422	1000	35M								5,970,536.60	59,642,220.71
6422	1000	5M									
6422	1000	5R									
6422	1000										
6422	1100	B5M									
6422	1800										
6422	2000	85M								25,553.87	220,684.18
6422	2000	85R									
6422	2000	D5M									4,356.23
6422	2000	D5R									
6422	2000	F5M								10,872.72	532,648.93
6422	2000	F5R									
6422	2000	T5M								476.65	14,041.48
6422	2000	T5R									
6422	2000										
6422	2100	BF5R									
6422	2900	985M									
6423	1000	445M								136,959.91	1,282,273.29
6423	1000	445NM									
6423	1000	448M									
6423	1000	448NM									22.48
6423	1000	45M								39,585,813.97	447,338,235.40
6423	1000	45R									
6423	1000	548M								7,561,232.77	85,425,531.75
6423	1000	598M								2,295,927.34	24,534,104.29
6423	1000										
6423	1100	B45M									
6423	1100	B45R									
6423	1800										
6423	2000	498M									
6423	2000	845M								99,762.34	1,517,140.39
6423	2000	845R								10,634.08	261,950.18
6423	2000	D45M									
6423	2000	D45R									53,236.16
6423	2000	F45M								1,048.47	191,292.60
6423	2000	F45R									
6423	2000	T45M									54,924.31
6423	2000	T45R									
6423	2000									65,361.67	1,703,700.85
6423	2100	B845R									
6423	2100	BD45M									
6423	2100	BD45R									
6423	2100	BF45M									
6423	2100	BF45R									
6423	2800	856M									
6424	1000	6M									70,271.40
6424	1000	6R									

[illegible]

SUMMARY OF CURRENT COST / BOOK COST RATIO

	Description	ACCT	FRC	TN
Gen Support	Motor Vehicles	2112		1.120
Gen Support	Aircraft	2113		0.000
Gen Support	Garage Work Equip	2115		1.360
Gen Support	Other Work Equip	2116		1.215
Gen Support	Buildings	2121	10	2.110
Gen Support	Furniture	2122		1.383
Gen Support	Office Support Equip	2123		1.114
Gen Office	Computers	2124	530	0.619
Gen Office	Analog-ESS	2211	77	1.603
Gen Office	Digital ESS	2212	377	1.103
Gen Office	Step-by-Step	2215		0.000
Gen Office	Operator Systems	2220	117	1.068
Gen Office	Radio System	2231	67	1.379
Gen Office	Circuit-DDS	2232	157	0.978
IOT	Circuit-Other than DSS	2232	357	0.999
IOT	Station Apparatus	2311		1.038
IOT	PBX	2341		1.006
Ca and Wire	Public Telephone	2351		1.091
Ca and Wire	Other Terminal Equipment	2362		1.012
Ca and Wire	Poles	2411	1	2.624
Ca and Wire	Aerial Cable-Metallic	2421	22	1.569
Ca and Wire	Aerial Cable-Fiber	2421	812	0.912
Ca and Wire	Underground Cable-Metallic	2422	5	1.572
Ca and Wire	Underground cable-Fiber	2422	85	0.845
Ca and Wire	Buried cable-Metallic	2423	45	1.425
Ca and Wire	Buried Cable-Fiber	2423	845	0.972
Ca and Wire	Submarine Cable	2424	6	1.455
Ca and Wire	Intrabuilding cable-Metal	2426	52	1.373
Ca and Wire	Intrabuilding Cable-Fiber	2426	852	0.918
IOT	Aerial Wire			0.000
Gen Support	Conduit Systems	2441	4	1.795
? Gen Support	Official Comm Equip	?		1.043

BELLSOUTH TELECOMMUNICATIONS
NET ADDITIONS (Gross Cap - Retirements)
INVESTMENT DATA - NET ADDITIONS

1998

ACCT	FRC	SCALE = 000	TN
		TOTAL GENERAL SUPPORT ASSETS	28,477
2111.0		LAND	50
2121.0		BUILDINGS	12,472
2112.0		MOTOR VEHICLES	3,975
2115.0		GARAGE WORK EQPT	75
2116.0		OTHER WORK EQPT	750
2122.0		FURNITURE	-520
2123.0		OFFICE SUPPORT EQUIPMENT	-230
		VOICE COMMUNICATIONS	-675
2124.0		GENERAL PURPOSE COMPUTERS	10,916
		DATA COMMUNICATIONS	1,664
		TOTAL CENTRAL OFC ASSETS MINUS DLE	73,586
2211.0		ANALOG ELECTRONIC SWITCHING	-325
2212.0		DIGITAL ELECTRONIC SWITCHING	50,340
2220.0		OPERATOR SERVICES	231
2231.0		RADIO	-18
2232.0	157	DIGITAL DATA SYSTEMS	-144
2232.0		CIRCUIT OTHER	23,502
		TOTAL INFO.ORIG./TERMINATION	1,865
		PUBLIC TELEPHONE	0
		STATION APPARATUS	0
		LARGE PBX	280
		OTHER TERMINAL EQUIPMENT	1,585
		TOTAL OUTSIDE NETWORK	155,800
2232.0	257	DIGITAL LOOP ELECTRONICS (DLE)	63,000
2400.0		CABLE & WIRE	92,800
2421.0	22	METALLIC - AERIAL CABLE	28,886
2421.0	812	NON-METALLIC - AERIAL CABLE	9,113
2422.0	5	METALLIC - UNDERGROUND CABLE	2,632
2422.0	85	NON-METALLIC - UNDERGROUND CABLE	4,303
2423.0	45	METALLIC - BURIED CABLE	32,392
2423.0	845	NON-METALLIC - BURIED CABLE	4,384
2424.0	6	METALLIC - SUBMARINE CABLE	0
2424.0	86	NON-METALLIC - SUBMARINE CABLE	0
2426.0	52	METALLIC - INTRABUILDING NETWORK CABLE	-410
2426.0	852	NON-METALLIC - INTRABUILDING NETWORK CABLE	0
2411.0		POLES	5,375
2441.0		CONDUIT	6,125
		TOTAL NET ADDITIONS	259,728

000215

BST

387,141
1,989
83,919
56,375
-136
15,580
-1,735
1,239
-4,255
122,553
111,612

667,085

-74,910
557,604
6,984
-2,900

-6,953
187,260

28,950
0

61
4,125
24,763

1,374,550
424,100
950,450

208,306
59,255

25,997
66,453

428,233
79,574

-420
-123

947
-33

23,356
58,906

2,457,727

BELLSOUTH TELECOMMUNICATIONS INVESTMENT DATA - NET ADDITIONS
NET ADDITIONS (Gross Cap - Retirements)
1999

ACCT	FRC	SCALE = 000	TN	BST
		TOTAL GENERAL SUPPORT ASSETS	16,047	268,174
2111.0		LAND	50	1,490
2121.0		BUILDINGS	6,141	66,520
2112.0		MOTOR VEHICLES	3,850	54,950
2115.0		GARAGE WORK EQPT	70	-195
2116.0		OTHER WORK EQPT	525	12,160
2122.0		FURNITURE	-525	-4,070
2123.0		OFFICE SUPPORT EQUIPMENT	-235	990
		VOICE COMMUNICATIONS	-705	-5,045
2124.0		GENERAL PURPOSE COMPUTERS	5,934	51,371
		DATA COMMUNICATIONS	942	90,003
		TOTAL CENTRAL OFC ASSETS MINUS DLE	50,091	542,251
2211.0		ANALOG ELECTRONIC SWITCHING	-2,600	-100,650
2212.0		DIGITAL ELECTRONIC SWITCHING	34,600	491,176
2220.0		OPERATOR SERVICES	477	3,069
2231.0		RADIO	-19	-618
2232.0	157	DIGITAL DATA SYSTEMS	-320	-1,991
2232.0		CIRCUIT OTHER	17,953	151,265
		TOTAL INFO.ORIG./TERMINATION	1,545	13,895
		PUBLIC TELEPHONE	0	0
		STATION APPARATUS	0	44
		LARGE PBX	232	2,225
		OTHER TERMINAL EQUIPMENT	1,313	11,626
		TOTAL OUTSIDE NETWORK	153,600	1,350,338
2232.0	257	DIGITAL LOOP ELECTRONICS (DLE)	63,400	406,400
2400.0		CABLE & WIRE	90,200	943,938
2421.0	22	METALLIC - AERIAL CABLE	28,666	210,032
2421.0	812	NON-METALLIC - AERIAL CABLE	8,585	58,773
2422.0	5	METALLIC - UNDERGROUND CABLE	2,602	26,305
2422.0	85	NON-METALLIC - UNDERGROUND CABLE	4,017	65,509
2423.0	45	METALLIC - BURIED CABLE	32,142	428,052
2423.0	845	NON-METALLIC - BURIED CABLE	4,098	79,418
2424.0	6	METALLIC - SUBMARINE CABLE	0	-491
2424.0	86	NON-METALLIC - SUBMARINE CABLE	0	0
2426.0	52	METALLIC - INTRABUILDING NETWORK CABLE	-410	1,090
2426.0	852	NON-METALLIC - INTRABUILDING NETWORK CABLE	0	-31
2411.0		POLES	4,835	20,030
2441.0		CONDUIT	5,665	55,252
		TOTAL NET ADDITIONS	221,283	2,174,658

000217

BELLSOUTH TELECOMMUNICATIONS
 NET ADDITIONS (Gross Cap - Retirements)
 2000

INVESTMENT DATA - NET ADDITIONS

ACCT	FRC	SCALE = 000	TN
		TOTAL GENERAL SUPPORT ASSETS	21,691
2111.0		LAND	50
2121.0		BUILDINGS	6,200
2112.0		MOTOR VEHICLES	3,785
2115.0		GARAGE WORK EQPT	65
2116.0		OTHER WORK EQPT	495
2122.0		FURNITURE	-530
2123.0		OFFICE SUPPORT EQUIPMENT	-240
		VOICE COMMUNICATIONS	-745
2124.0		GENERAL PURPOSE COMPUTERS	11,750
		DATA COMMUNICATIONS	861
		TOTAL CENTRAL OFC ASSETS MINUS DLE	52,393
2211.0		ANALOG ELECTRONIC SWITCHING	-1,800
2212.0		DIGITAL ELECTRONIC SWITCHING	36,000
2220.0		OPERATOR SERVICES	478
2231.0		RADIO	-21
2232.0	157	DIGITAL DATA SYSTEMS	-425
2232.0		CIRCUIT OTHER	18,162
		TOTAL INFO.ORIG./TERMINATION	1,530
		PUBLIC TELEPHONE	0
		STATION APPARATUS	0
		LARGE PBX	230
		OTHER TERMINAL EQUIPMENT	1,301
		TOTAL OUTSIDE NETWORK	152,900
2232.0	257	DIGITAL LOOP ELECTRONICS (DLE)	63,500
2400.0		CABLE & WIRE	89,400
2421.0	22	METALLIC - AERIAL CABLE	28,666
2421.0	812	NON-METALLIC - AERIAL CABLE	8,408
2422.0	5	METALLIC - UNDERGROUND CABLE	2,602
2422.0	85	NON-METALLIC - UNDERGROUND CABLE	3,690
2423.0	45	METALLIC - BURIED CABLE	32,142
2423.0	845	NON-METALLIC - BURIED CABLE	3,801
2424.0	6	METALLIC - SUBMARINE CABLE	0
2424.0	86	NON-METALLIC - SUBMARINE CABLE	0
2426.0	52	METALLIC - INTRABUILDING NETWORK CABLE	-410
2426.0	852	NON-METALLIC - INTRABUILDING NETWORK CABLE	0
2411.0		POLES	4,835
2441.0		CONDUIT	5,665
		TOTAL NET ADDITIONS	228,514

000218

BST

340,680
 1,490
 67,200
 54,290
 -265
 11,870
 -4,095
 925
 -5,270
 126,000
 88,535

 588,493

 -70,550
 488,110
 2,956
 880

 -1,109
 168,206

 13,605
 0

 41
 2,166
 11,398

 1,352,545
 413,650
 938,895

 208,056
 58,811

 25,754
 65,274

 425,864
 79,257

 -491
 0

 994
 -33

 20,144
 55,264

 2,295,322

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Capital Cost Model Calculations

Source: BellSouth's Capital Cost Calculator

BASIC ECONOMIC INPUTS FOR CAPITAL COST CALCULATOR

9/29/99

<u>Number</u>	<u>Description</u>	<u>Value</u>
1	Debt Ratio	0.4000
2	Debt Interest Rate	.0707
3	Income Tax Rate	0.3871
4	Investment	\$1.00
5	Cost of Money (Rate of Return)	.0993
6	Cost of Equity	0.118367
7		
8	Timestamp: 2/12/99 7:59:02 AM	

Cost of Money = User Input or
$$\text{COE} * (1 - \text{Debt Ratio}) + (\text{Debt Ratio} * \text{Debt Interest Rate})$$

Cost of Equity = User Input or
$$(\text{COM} - \text{Debt Ratio} * \text{Debt Interest Rate}) / (1 - \text{Debt Ratio})$$

000221

USOA Part 32 ACCOUNTS INPUT FACTORS FOR CAPITAL COST CALCULATOR

9/29/99

Number	Description	FRC	Life (Years)	Net Salvage
1	Buildings	10C	43	.01
2	Land	20C	98.0	1.0000
3				
4	Motor Vehicles	40C	8	.16
5	Spc Purpose Vehicles	240C	8	.16
6	Garage Work Equip	340C	23	-.01
7	Other Work Equip	540C	23	-.01
8				
9	Furniture	130C	18	0.0900
10	Ofc Support Equip	430C	12	.28
11				
12	Corp Comm Equip	718C	6	.28
13	Gen Purpose Comp, Other	530C	7	.02
14	G P Comp, Data Cont & Wrksta	630C	7	.02
15				
16	Analog Elec Switch	77C	4.2	.03
17	Digital Elec Switch	377C	17	.04
18				
19	Operator Systems	117C	14	.05
20				
21	Radio	67C	14.5	0
22				
23	Digital Circ - DDS	157C	8	.02
24	Digital Circ - Pair Gain	257C	11	0.0000
25	Digital Circ - Other	357C	11	0.0000
26	Analog Circ - Pair Gain	457C	11	0
27	Analog Circ - Other	57C	11	0
28				
29	Large PBX	158C	6	-.04
30	Other Terminal Equip	378C	6.0	.03
31				
32	Poles	1C	37	-.48
33	Aerial Ca - Metal - Bldg Enter	12C	20	-.15
34	Aerial Ca - Metal	22C	20	-.15
35	Aerial Ca - Fiber - Bldg Enter	812C	30	-.20
36	Aerial Ca - Fiber	822C	30	-.2
37	Buried Ca - Metal	45C	21	-.05
38	Buried Ca - Fiber	845C	30	-.09
39	Underground Ca - Metal	5C	25	-.08
40	Underground Ca - Fiber	85C	30	-.2
41	Submarine Ca - Metal	6C	25	-.01
42	Submarine Ca - Fiber	86C	25	-.01
43	INTA Bldg Ntwk Ca - Metal	52C	22	-.1
44	INTA Bldg Ntwk Ca - Fiber	852C	22	-.1
45				
46	Conduit Systems	4C	65	-.05
47				
48	Timestamp: 2/12/99 7:59:02 AM			

CAPITAL COST MODEL CALCULATIONS - Page 1

9/29/99

Nbr	Description	FRC	Life (Years)	COM	AP	Phi	Net Salvage	Adj Invest
1	Buildings	10C	43	.0993	0.1010	0.4517	.01	0.9900
2	Land	20C	98.0	.0993	0.0993	0.4517	1.0000	0.0000
3								
4	Motor Vehicles	40C	8	.0993	0.1870	0.4517	.16	0.8400
5	Spc Purpose Vehicles	240C	8	.0993	0.1870	0.4517	.16	0.8400
6	Garage Work Equip	340C	23	.0993	0.1120	0.4517	-.01	1.0100
7	Other Work Equip	540C	23	.0993	0.1120	0.4517	-.01	1.0100
8								
9	Furniture	130C	18	.0993	0.1214	0.4517	0.0900	0.9100
10	Ofc Support Equip	430C	12	.0993	0.1463	0.4517	.28	0.7200
11								
12	Corp Comm Equip	718C	6	.0993	0.2291	0.4517	.28	0.7200
13	Gen Purpose Comp, Other	530C	7	.0993	0.2049	0.4517	.02	0.9800
14	G P Comp, Data Cont & Wrksta	630C	7	.0993	0.2049	0.4517	.02	0.9800
15								
16	Analog Elec Switch	77C	4.2	.0993	0.3027	0.4517	.03	0.9700
17	Digital Elec Switch	377C	17	.0993	0.1241	0.4517	.04	0.9600
18								
19	Operator Systems	117C	14	.0993	0.1352	0.4517	.05	0.9500
20								
21	Radio	67C	14.5	.0993	0.1330	0.4517	0	1.0000
22								
23	Digital Circ - DDS	157C	8	.0993	0.1870	0.4517	.02	0.9800
24	Digital Circ - Pair Gain	257C	11	.0993	0.1535	0.4517	0.0000	1.0000
25	Digital Circ - Other	357C	11	.0993	0.1535	0.4517	0.0000	1.0000
26	Analog Circ - Pair Gain	457C	11	.0993	0.1535	0.4517	0	1.0000
27	Analog Circ - Other	57C	11	.0993	0.1535	0.4517	0	1.0000
28								
29	Large PBX	158C	6	.0993	0.2291	0.4517	-.04	1.0400
30	Other Terminal Equip	378C	6.0	.0993	0.2291	0.4517	.03	0.9700
31								
32	Poles	1C	37	.0993	0.1024	0.4517	-.48	1.4800
33	Aerial Ca - Metal - Bldg Enter	12C	20	.0993	0.1169	0.4517	-.15	1.1500
34	Aerial Ca - Metal	22C	20	.0993	0.1169	0.4517	-.15	1.1500
35	Aerial Ca - Fiber - Bldg Enter	812C	30	.0993	0.1055	0.4517	-.20	1.2000
36	Aerial Ca - Fiber	822C	30	.0993	0.1055	0.4517	-.2	1.2000
37	Buried Ca - Metal	45C	21	.0993	0.1151	0.4517	-.05	1.0500
38	Buried Ca - Fiber	845C	30	.0993	0.1055	0.4517	-.09	1.0900
39	Underground Ca - Metal	5C	25	.0993	0.1096	0.4517	-.08	1.0800
40	Underground Ca - Fiber	85C	30	.0993	0.1055	0.4517	-.2	1.2000
41	Submarine Ca - Metal	6C	25	.0993	0.1096	0.4517	-.01	1.0100
42	Submarine Ca - Fiber	86C	25	.0993	0.1096	0.4517	-.01	1.0100
43	INTA Bldg Ntwk Ca - Metal	52C	22	.0993	0.1134	0.4517	-.1	1.1000
44	INTA Bldg Ntwk Ca - Fiber	852C	22	.0993	0.1134	0.4517	-.1	1.1000
45								
46	Conduit Systems	4C	65	.0993	0.0995	0.4517	-.05	1.0500
47								
48	Timestamp: 2/12/99 7:59:18 AM	Deflt						

Life Years = Input

Rate of Return (COM, Cost of Money) = Input

$A/P = (COM * (1 + COM)^{Life}) / (((1 + COM)^{Life}) - 1)$

$\Phi = (Income\ Tax\ Rate / (1 - Income\ Tax\ Rate)) * (1 - ((Debt\ Ratio * Debt\ Interest\ Rate) / COM))$

Net Salvage = Input

Adjusted Investment = $(1 - Net\ Salvage) * Investment$

Calculations rounded to four (4) decimal places.

Source: BellSouth's Capital Cost Calculator

000223

CAPITAL COST MODEL CALCULATIONS - Page 2

9/29/99

Number	Description	FRC	Depreciation	ACFC COM	ACFC Tax	Cap Exp
1	Buildings	10C	0.0230	0.0780	0.0352	0.1362
2	Land	20C	0.0000	0.0993	0.0449	0.1442
3						
4	Motor Vehicles	40C	0.1050	0.0679	0.0307	0.2036
5	Spc Purpose Vehicles	240C	0.1050	0.0679	0.0307	0.2036
6	Garage Work Equip	340C	0.0439	0.0682	0.0308	0.1429
7	Other Work Equip	540C	0.0439	0.0682	0.0308	0.1429
8						
9	Furniture	130C	0.0506	0.0688	0.0311	0.1505
10	Ofc Support Equip	430C	0.0600	0.0731	0.0330	0.1661
11						
12	Corp Comm Equip	718C	0.1200	0.0728	0.0329	0.2257
13	Gen Purpose Comp, Other	530C	0.1400	0.0628	0.0284	0.2312
14	G P Comp, Data Cont & Wrksta	630C	0.1400	0.0628	0.0284	0.2312
15						
16	Analog Elec Switch	77C	0.2310	0.0656	0.0296	0.3262
17	Digital Elec Switch	377C	0.0565	0.0667	0.0301	0.1532
18						
19	Operator Systems	117C	0.0679	0.0656	0.0296	0.1631
20						
21	Radio	67C	0.0690	0.0640	0.0289	0.1619
22						
23	Digital Circ - DDS	157C	0.1225	0.0627	0.0283	0.2135
24	Digital Circ - Pair Gain	257C	0.0909	0.0626	0.0283	0.1817
25	Digital Circ - Other	357C	0.0909	0.0626	0.0283	0.1817
26	Analog Circ - Pair Gain	457C	0.0909	0.0626	0.0283	0.1817
27	Analog Circ - Other	57C	0.0909	0.0626	0.0283	0.1817
28						
29	Large PBX	158C	0.1733	0.0610	0.0276	0.2619
30	Other Terminal Equip	378C	0.1617	0.0636	0.0287	0.2540
31						
32	Poles	1C	0.0400	0.0639	0.0288	0.1327
33	Aerial Ca - Metal - Bldg Enter	12C	0.0575	0.0620	0.0280	0.1476
34	Aerial Ca - Metal	22C	0.0575	0.0620	0.0280	0.1476
35	Aerial Ca - Fiber - Bldg Enter	812C	0.0400	0.0667	0.0301	0.1368
36	Aerial Ca - Fiber	822C	0.0400	0.0667	0.0301	0.1368
37	Buried Ca - Metal	45C	0.0500	0.0658	0.0297	0.1456
38	Buried Ca - Fiber	845C	0.0363	0.0697	0.0315	0.1375
39	Underground Ca - Metal	5C	0.0432	0.0672	0.0304	0.1408
40	Underground Ca - Fiber	85C	0.0400	0.0667	0.0301	0.1368
41	Submarine Ca - Metal	6C	0.0404	0.0693	0.0313	0.1410
42	Submarine Ca - Fiber	86C	0.0404	0.0693	0.0313	0.1410
43	INTA Bldg Ntwk Ca - Metal	52C	0.0500	0.0648	0.0293	0.1441
44	INTA Bldg Ntwk Ca - Fiber	852C	0.0500	0.0648	0.0293	0.1441
45						
46	Conduit Systems	4C	0.0162	0.0834	0.0377	0.1372
47						
48	Timestamp: 2/12/99 7:59:18 AM	Deflt				

Depreciation = Adjusted Investment / Life Years

ACFC COM = (Investment * A/P) - Depreceiation

ACFC Income Tax = ACFC COM * Phi

Capital Expense = Depreciation + ACFC COM + ACFC Income Tax

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Calculations rounded to four (4) decimal places.

Source: BellSouth's Capital Cost Calculator

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Ad Valorem & Other Taxes

File: adval98.xls

BELLSOUTH TELECOMMUNICATIONS, INC.
 RATIO OF AD VALOREM AND OTHER TAXES
 TO TELEPHONE PLANT IN SERVICE IN 1997

	(1)	(2)	(3)	(4)	(5)
STATE	PROPERTY (A/C 7240.1000)	OTHER (A/C 7240.3000, 7240.9100, .9200)	TOTAL	TEL. PLANT IN SERVICE (A/C 2001)	TAXES TO PLANT (3 / 4)
TENNESSEE	48,612,964	6,073,200	54,686,164	4,696,901,283	1.1643%

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

State & Federal Income Taxes

File: fitsit97.xls

1997 Tax Information

Tennessee

Federal Income Tax (FIT) Rate

35.00%

State Income Tax (SIT) Rate

6.00%

Allows FIT deduct on SIT

No

Are Rates Same for
Retail vs Wholesale?

Yes

000228

TENNESSEE DOCKET NO 99-00377
APPENDIX A
UNBUNDLED NETWORK ELEMENT (UNE) STUDIES

Labor Rates

File: laborate.xls

SUMMARY

State	JFC/Payband	Description	Direct	Direct	Telric	Telric
			Labor	Labor	Labor	Labor
			Date	Rate	Rate	Date
RW	400X	Address & Facility Inventory (AFIG)	7-15-98	\$ 33.90	\$ 33.90	7-15-98
RW	4M1X	Address & Facility Inventory (AFIG)	7-15-98	\$ 33.90	\$ 33.90	7-15-98
RW	401X	Work Management Center (WMC)	7-15-98	\$ 34.37	\$ 34.37	7-15-98
RW	410X	Install & Mtce - Pots	7-15-98	\$ 41.00	\$ 41.00	7-15-98
RW	411X	Install & Mtce - Spec Svcs (SSIM)	7-15-98	\$ 44.45	\$ 44.45	7-15-98
RW	420X	Outside Plant Constr (OSPC)	7-15-98	\$ 45.05	\$ 45.05	7-15-98
RW	421X	Outside Plant Constr (OSPC)	7-15-98	\$ 45.05	\$ 45.05	7-15-98
RW	424X	Outside Plant Admin Cntr (OPAC)	7-15-98	\$ 34.41	\$ 34.41	7-15-98
RW	422X	Cable Repair Technician (CRT)	7-15-98	\$ 46.96	\$ 46.96	7-15-98
RW	423X	Cable Repair Technician (CRT)	7-15-98	\$ 46.96	\$ 46.96	7-15-98
RW	425X	Cable Repair Technician (CRT)	7-15-98	\$ 46.96	\$ 46.96	7-15-98
RW	426X	Cable Repair Technician (CRT)	7-15-98	\$ 46.96	\$ 46.96	7-15-98
RW	430X	CO Install & Mtce Field - Switch Eq	7-15-98	\$ 44.88	\$ 44.88	7-15-98
RW	431X	CO Install & Mtce Field - Ckt & Fac	7-15-98	\$ 42.88	\$ 42.88	7-15-98
RW	431XB	CO I&M Field, Basic Time - Ckt & Fac	7-15-98	\$ 41.24	\$ 41.24	7-15-98
RW	431XO	CO I&M Field, OT - Ckt & Fac	7-15-98	\$ 52.06	\$ 52.06	7-15-98
RW	431XP	CO I&M Field, Prem Time - Ckt & Fac	7-15-98	\$ 62.88	\$ 62.88	7-15-98
RW	4321	Recent Chng Line Trans (RCMAG)	7-15-98	\$ 38.86	\$ 38.86	7-15-98
RW	4N1X	Recent Chng Line Trans (RCMAG)	7-15-98	\$ 38.86	\$ 38.86	7-15-98
RW	4320	Switch & Trunk Based Translations	7-15-98	\$ 45.34	\$ 45.34	7-15-98
RW	4N2X	Switch & Trunk Based Translations	7-15-98	\$ 45.34	\$ 45.34	7-15-98
RW	4322	CO Install, Mtce & Admin - Software	7-15-98	\$ 49.48	\$ 49.48	7-15-98
RW	4323	CO Install, Mtce & Admin - Software	7-15-98	\$ 49.48	\$ 49.48	7-15-98
RW	4324	CO Install, Mtce & Admin - Software	7-15-98	\$ 49.48	\$ 49.48	7-15-98
RW	4331	Trunk & Carrier Group (TCG)	7-15-98	\$ 43.55	\$ 43.55	7-15-98
RW	4342	Trunk & Carrier Group (TCG)	7-15-98	\$ 43.55	\$ 43.55	7-15-98
RW	473X	Trunk & Carrier Group (TCG)	7-15-98	\$ 43.55	\$ 43.55	7-15-98
RW	4N5X	Trunk & Carrier Group (TCG)	7-15-98	\$ 43.55	\$ 43.55	7-15-98
RW	4330	Network Reliability Center (NRC)	7-15-98	\$ 37.80	\$ 37.80	7-15-98
RW	4341	Network Reliability Center (NRC)	7-15-98	\$ 37.80	\$ 37.80	7-15-98
RW	4LXX	Network Reliability Center (NRC)	7-15-98	\$ 37.80	\$ 37.80	7-15-98
RW	4332	Proactive Analysis/Repair Ctr (PAR)	7-15-98	\$ 35.77	\$ 35.77	7-15-98
RW	4PXX	Proactive Analysis/Repair Ctr (PAR)	7-15-98	\$ 35.77	\$ 35.77	7-15-98
RW	470X	Circuit Provisioning Group (CPG)	7-15-98	\$ 37.06	\$ 37.06	7-15-98
RW	4N4X	Circuit Provisioning Group (CPG)	7-15-98	\$ 37.06	\$ 37.06	7-15-98
RW	471X	Acc Cust Advocate Cntr (ACAC)	7-15-98	\$ 38.31	\$ 38.31	7-15-98
RW	471XB	Acc Cust Adv Cntr, Bas Time (ACAC)	7-15-98	\$ 37.09	\$ 37.09	7-15-98
RW	471XO	Acc Cust Adv Cntr, OT (ACAC)	7-15-98	\$ 46.99	\$ 46.99	7-15-98
RW	471XP	Acc Cust Adv Cntr, Prem Time (ACAC)	7-15-98	\$ 56.88	\$ 56.88	7-15-98
RW	4AXX	Acc Cust Advocate Cntr (ACAC)	7-15-98	\$ 38.31	\$ 38.31	7-15-98
RW	472X	Equip Bill Accuracy Cont (EBAC)	7-15-98	\$ 38.56	\$ 38.56	7-15-98
RW	4N3X	Equip Bill Accuracy Cont (EBAC)	7-15-98	\$ 38.56	\$ 38.56	7-15-98
RW	4BXX	Business Repair Center (BRC)	7-15-98	\$ 39.11	\$ 39.11	7-15-98
RW	4RXX	Residence Repair Center (RRC)	7-15-98	\$ 34.89	\$ 34.89	7-15-98
RW	4WXX	Work Management Center (WMC)	7-15-98	\$ 34.37	\$ 34.37	7-15-98
RW	30XX	Land And Buildings (FG10)	7-15-98	\$ 67.04	\$ 67.04	7-15-98
RW	350X	Land And Buildings (FG10)	7-15-98	\$ 67.04	\$ 67.04	7-15-98
RW	31XX	Ntwk & Eng Planning (FG20)	7-15-98	\$ 56.20	\$ 56.20	7-15-98
RW	34XX	Ntwk & Eng Planning (FG20)	7-15-98	\$ 56.20	\$ 56.20	7-15-98
RW	3AXX	Ntwk & Eng Planning (FG20)	7-15-98	\$ 56.20	\$ 56.20	7-15-98
RW	3BXX	Ntwk & Eng Planning (FG20)	7-15-98	\$ 56.20	\$ 56.20	7-15-98

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SUMMARY

RW	341X	Ntwk Plug-In Admin (PICS)	7-15-98	\$	36.96	\$	36.96	7-15-98
RW	3A2X	Ntwk Plug-In Admin (PICS)	7-15-98	\$	36.96	\$	36.96	7-15-98
RW	32XX	Outside Plant Eng (FG30)	7-15-98	\$	47.97	\$	47.97	7-15-98
RW	356X	Outside Plant Eng (FG30)	7-15-98	\$	47.97	\$	47.97	7-15-98
RW	1200	Cabs Accounting	7-15-98	\$	43.32	\$	43.32	7-15-98
RW	2300	Customer Point Of Contact - ICSC	7-15-98	\$	44.86	\$	44.86	7-15-98
RW	2300B	Cust Pnt Of Cont, Basic Time - ICSC	7-15-98	\$	44.00	\$	44.00	7-15-98
RW	2300O	Cust Pnt Of Cont, OT - ICSC	7-15-98	\$	53.06	\$	53.06	7-15-98
RW	2300P	Cust Pnt Of Cont, Prem Time - ICSC	7-15-98	\$	62.11	\$	62.11	7-15-98
RW	2120	Pots Operator	7-15-98	\$	32.58	\$	32.58	7-15-98
RW	2940	Directory Assistance Operator	7-15-98	\$	29.69	\$	29.69	7-15-98
RW	2600	Coin Collector	7-15-98	\$	35.83	\$	35.83	7-15-98
RW	2E40	Collections Rep - Residence	7-15-98	\$	35.30	\$	35.30	7-15-98
RW	2840	Collections Rep - Business	7-15-98	\$	34.65	\$	34.65	7-15-98
RW	2E50	Bus Ofc Svc Rep - Residence	7-15-98	\$	37.73	\$	37.73	7-15-98
RW	2E70	Bus Ofc Svc Rep - Residence	7-15-98	\$	37.73	\$	37.73	7-15-98
RW	2850	Bus Ofc Svc Rep - Business	7-15-98	\$	37.39	\$	37.39	7-15-98
RW	2870	Bus Ofc Svc Rep - Business	7-15-98	\$	37.39	\$	37.39	7-15-98
RW	1240	Comptrollers Clerical	7-15-98	\$	40.86	\$	40.86	7-15-98
RW	1250	Comptrollers Clerical	7-15-98	\$	40.86	\$	40.86	7-15-98
RW	1260	Comptrollers Clerical	7-15-98	\$	40.86	\$	40.86	7-15-98
RW	1270	Comptrollers Clerical	7-15-98	\$	40.86	\$	40.86	7-15-98
RW	2700	Network Services Clerical	7-15-98	\$	37.19	\$	37.19	7-15-98
RW	2730	Network Services Clerical	7-15-98	\$	37.19	\$	37.19	7-15-98
RW	AEWC	Acct Executive w/Sales Comp	7-15-98	\$	73.78	\$	73.78	7-15-98
RW	AEWOC	Acct Executive wo/Sales Comp	7-15-98	\$	59.93	\$	59.93	7-15-98
RW	SDWC	Systems Designer w/Sales Com	7-15-98	\$	67.26	\$	67.26	7-15-98
RW	SDWOC	Systems Designer wo/Sales Com	7-15-98	\$	61.84	\$	61.84	7-15-98
RW	SVCC	Service Consultant	7-15-98	\$	45.01	\$	45.01	7-15-98
RW	NWPB56	Network Pay Band 56	7-15-98	\$	43.90	\$	43.90	7-15-98
RW	NWPB57	Network Pay Band 57	7-15-98	\$	45.69	\$	45.69	7-15-98
RW	NWPB58	Network Pay Band 58	7-15-98	\$	50.31	\$	50.31	7-15-98
RW	NWPB59	Network Pay Band 59	7-15-98	\$	55.78	\$	55.78	7-15-98
RW	NWPB61	Network Pay Band 61	7-15-98	\$	68.43	\$	68.43	7-15-98
RW	NWWS10	Network Wage Scale 10	7-15-98	\$	32.96	\$	32.96	7-15-98
RW	MKPB56	Marketing Pay Band 56	7-15-98	\$	43.28	\$	43.28	7-15-98
RW	MKPB57	Marketing Pay Band 57	7-15-98	\$	45.08	\$	45.08	7-15-98
RW	MKPB58	Marketing Pay Band 58	7-15-98	\$	49.39	\$	49.39	7-15-98
RW	MKPB59	Marketing Pay Band 59	7-15-98	\$	55.17	\$	55.17	7-15-98
RW	MKPB61	Marketing Pay Band 61	7-15-98	\$	67.85	\$	67.85	7-15-98
RW	MKWS10	Marketing Wage Scale 10	7-15-98	\$	32.31	\$	32.31	7-15-98
RW	ITPB54	IT Pay Band 54	7-15-98	\$	38.59	\$	38.59	7-15-98
RW	ITPB55	IT Pay Band 55	7-15-98	\$	40.53	\$	40.53	7-15-98
RW	ITPB56	IT Pay Band 56	7-15-98	\$	46.03	\$	46.03	7-15-98
RW	ITPB57	IT Pay Band 57	7-15-98	\$	47.82	\$	47.82	7-15-98
RW	ITPB58	IT Pay Band 58	7-15-98	\$	52.44	\$	52.44	7-15-98
RW	ITPB59	IT Pay Band 59	7-15-98	\$	57.92	\$	57.92	7-15-98
RW	ITPB60	IT Pay Band 60	7-15-98	\$	64.53	\$	64.53	7-15-98
RW	ITPB61	IT Pay Band 61	7-15-98	\$	70.60	\$	70.60	7-15-98
RW	ITWS10	IT Wage Scale 10	7-15-98	\$	35.06	\$	35.06	7-15-98
RW	ITWS14	IT Wage Scale 14	7-15-98	\$	36.02	\$	36.02	7-15-98
RW	ITWS16	IT Wage Scale 16	7-15-98	\$	36.68	\$	36.68	7-15-98
RW	ITWS18	IT Wage Scale 18	7-15-98	\$	37.18	\$	37.18	7-15-98
RW	ITWS32	IT Wage Scale 32	7-15-98	\$	43.73	\$	43.73	7-15-98

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SUMMARY

RW	FRPB56	Finance/Regualtory Pay Band 56	7-15-98	\$	41.72	\$	41.72	7-15-98
RW	FRPB57	Finance/Regualtory Pay Band 57	7-15-98	\$	43.50	\$	43.50	7-15-98
RW	FRPB58	Finance/Regualtory Pay Band 58	7-15-98	\$	48.12	\$	48.12	7-15-98
RW	FRPB59	Finance/Regualtory Pay Band 59	7-15-98	\$	53.59	\$	53.59	7-15-98
RW	FRPB61	Finance/Regualtory Pay Band 61	7-15-98	\$	66.24	\$	66.24	7-15-98
RW	FRWS10	Finance/Regualtory Wage Scale 10	7-15-98	\$	30.78	\$	30.78	7-15-98
RW	FRWS16	Finance/Regulatory Wage Scale 16	7-15-98	\$	32.39	\$	32.39	7-15-98

000232

TELRIC SUMMARY

1998 - 2000 TELRIC LABOR RATES			7-15-98
PLANT WORK CENTERS	JFC	REGIONAL	REFERENCE
ADDRESS & FACILITY INVENTORY (AFIG)	400X 4M1X	\$ 33.90	TELRIC DETAIL H11
INSTALL & MTCE - POTS	410X	\$ 41.00	TELRIC DETAIL H13
INSTALL & MTCE - SPEC SVCS (SSIM)	411X	\$ 44.45	TELRIC DETAIL H14
OUTSIDE PLANT CONSTRUCTION (OSPC)	420X 421X	\$ 45.05	TELRIC DETAIL H15
OUTSIDE PLANT ADMIN CENTER (OPAC)	424X	\$ 34.41	TELRIC DETAIL H16
CABLE REPAIR TECHNICIAN (CRT)	422X 423X 425X 426X	\$ 46.96	TELRIC DETAIL H17
CO INSTALL & MTCE FIELD - SWITCH EQUIP	430X	\$ 44.88	TELRIC DETAIL H18
CO INSTALL & MTCE FIELD - CIRCUIT & FAC	431X	\$ 42.88	TELRIC DETAIL H19
RECENT CHANGE LINE TRANSLATIONS (RCMAG)	4321 4N1X	\$ 38.86	TELRIC DETAIL H20
SWITCH & TRUNK BASED TRANSLATIONS	4320 4N2X	\$ 45.34	TELRIC DETAIL H21
CO INSTALL, MTCE & ADMIN - SOFTWARE	4322 4323 4324	\$ 49.48	TELRIC DETAIL H22
TRUNK & CARRIER GROUP (TCG)	4331 4342 473X 4N5X	\$ 43.55	TELRIC DETAIL H23
NETWORK RELIABILITY CENTER (NRC)	4330 4341 4LXX	\$ 37.80	TELRIC DETAIL H24
PROACTIVE ANALYSIS & REPAIR CTR (PAR)	4332 4PXX	\$ 35.77	TELRIC DETAIL H25
CIRCUIT PROVISIONING GROUP (CPG)	470X 4N4X	\$ 37.06	TELRIC DETAIL H26
ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	471X 4AXX	\$ 38.31	TELRIC DETAIL H27
EQUIPMENT BILLING ACCURACY CONT (EBAC)	472X 4N3X	\$ 38.56	TELRIC DETAIL H28
BUSINESS REPAIR CENTER (BRC)	4BXX	\$ 39.11	TELRIC DETAIL H29
RESIDENCE REPAIR CENTER (RRC)	4RXX	\$ 34.89	TELRIC DETAIL H30
WORK MANAGEMENT CENTER (WMC)	4WXX 401X	\$ 34.37	TELRIC DETAIL H31
ENGINEERING FORCE GROUPS	JFC	REGIONAL	REFERENCE
LAND AND BUILDINGS (FG10)	30XX 350X	\$ 67.04	TELRIC DETAIL H43
NETWORK & ENGINEERING PLANNING (FG20)	31XX 34XX 3AXX 3BXX	\$ 56.20	TELRIC DETAIL H44
NETWORK PLUG-IN ADMINISTRATION (PICS)	341X 3A2X	\$ 36.96	TELRIC DETAIL H45
OUTSIDE PLANT ENGINEERING (FG30)	32XX 356X	\$ 47.97	TELRIC DETAIL H46
COST GROUPS	JFC	REGIONAL	REFERENCE
CABS ACCOUNTING	1200	\$ 43.32	TELRIC DETAIL H56
CUSTOMER POINT OF CONTACT - ICSC/LSCS	2300	\$ 44.86	TELRIC DETAIL H57
POTS OPERATOR	2120	\$ 32.58	TELRIC DETAIL H58
DIRECTORY ASSISTANCE OPERATOR	2940	\$ 29.69	TELRIC DETAIL H59
COIN COLLECTOR	2600	\$ 35.83	TELRIC DETAIL H60
COLLECTIONS REP - RESIDENCE	2E40	\$ 35.30	TELRIC DETAIL H61
COLLECTIONS REP - BUSINESS	2840	\$ 34.65	TELRIC DETAIL H62
BUS OFC SVC REP - RESIDENCE	2E50 2E70	\$ 37.73	TELRIC DETAIL H63
BUS OFC SVC REP - BUSINESS	2850 2870	\$ 37.39	TELRIC DETAIL H64
COMPTROLLERS CLERICAL	1240 1250 1260 1270	\$ 40.86	TELRIC DETAIL H65
NETWORK SERVICES CLERICAL	2700 2730	\$ 37.19	TELRIC DETAIL H66
ACCOUNT EXECUTIVE	NOT APPLICABLE		
WITH SALES COMPENSATION		\$ 73.78	TELRIC DETAIL H80
WITHOUT SALES COMPENSATION		\$ 59.93	TELRIC DETAIL H81
SYSTEMS DESIGNER	NOT APPLICABLE		
WITH SALES COMPENSATION		\$ 67.26	TELRIC DETAIL H83
WITHOUT SALES COMPENSATION		\$ 61.84	TELRIC DETAIL H84
SERVICE CONSULTANT	NOT APPLICABLE	\$ 45.01	TELRIC DETAIL H85

000233

TELRIC IT PB SUM

7-15-98			
1998 - 2000 TELRIC LABOR RATES			
BST IT	HOURLY RATE		REFERENCE
PAY BAND 54	\$	38.59	TELRIC IT PB DETAIL H11
PAY BAND 55	\$	40.53	TELRIC IT PB DETAIL H12
PAY BAND 56	\$	46.03	TELRIC IT PB DETAIL H13
PAY BAND 57	\$	47.82	TELRIC IT PB DETAIL H14
PAY BAND 58	\$	52.44	TELRIC IT PB DETAIL H15
PAY BAND 59	\$	57.92	TELRIC IT PB DETAIL H16
PAY BAND 60	\$	64.53	TELRIC IT PB DETAIL H17
PAY BAND 61	\$	70.60	TELRIC IT PB DETAIL H18
WAGE SCALE 10	\$	35.06	TELRIC IT PB DETAIL H19
WAGE SCALE 14	\$	36.02	TELRIC IT PB DETAIL H20
WAGE SCALE 16	\$	36.68	TELRIC IT PB DETAIL H21
WAGE SCALE 18	\$	37.18	TELRIC IT PB DETAIL H22
WAGE SCALE 32	\$	43.73	TELRIC IT PB DETAIL H23

000234

TELRIC MKTG PB SUM

7-15-98			
1998 - 2000 TELRIC LABOR RATES			
BST MARKETING	HOURLY RATE		REFERENCE
PAY BAND 56	\$	43.28	TELRIC MKTG PB DETAIL H11
PAY BAND 57	\$	45.08	TELRIC MKTG PB DETAIL H12
PAY BAND 58	\$	49.39	TELRIC MKTG PB DETAIL H13
PAY BAND 59	\$	55.17	TELRIC MKTG PB DETAIL H14
PAY BAND 61	\$	67.85	TELRIC MKTG PB DETAIL H15
WAGE SCALE 10	\$	32.31	TELRIC MKTG PB DETAIL H16

000235

TELRIC NTWK PB SUM

			7-15-98
1998 - 2000 TELRIC LABOR RATES			
<u>BST NETWORK</u>		<u>HOURLY RATE</u>	<u>REFERENCE</u>
PAY BAND 56	\$	43.90	TELRIC NTWK PB DETAIL H11
PAY BAND 57	\$	45.69	TELRIC NTWK PB DETAIL H12
PAY BAND 58	\$	50.31	TELRIC NTWK PB DETAIL H13
PAY BAND 59	\$	55.78	TELRIC NTWK PB DETAIL H14
PAY BAND 61	\$	68.43	TELRIC NTWK PB DETAIL H15
WAGE SCALE 10	\$	32.96	TELRIC NTWK PB DETAIL H16

000236

TELRIC FINANCE PB SUM

			7-15-98
1998 - 2000 TELRIC LABOR RATES			
<u>BST FINANCE/REGULATORY</u>		<u>HOURLY RATE</u>	<u>REFERENCE</u>
PAY BAND 56	\$	41.72	TELRIC FINANCE PB DETAIL H11
PAY BAND 57	\$	43.50	TELRIC FINANCE PB DETAIL H12
PAY BAND 58	\$	48.12	TELRIC FINANCE PB DETAIL H13
PAY BAND 59	\$	53.59	TELRIC FINANCE PB DETAIL H14
PAY BAND 61	\$	66.24	TELRIC FINANCE PB DETAIL H15
WAGE SCALE 10	\$	30.78	TELRIC FINANCE PB DETAIL H16
WAGE SCALE 16	\$	32.39	TELRIC FINANCE PB DETAIL H17

000237

TELRIC SECURITY SUM

SECURITY ESCORT		7-15-98
1998 - 2000 TELRIC		REFERENCE
ACAC		
BASIC	\$ 37.09	SECURITY ACAC B15
OVERTIME	\$ 46.99	SECURITY ACAC B26
PREMIUM	\$ 56.88	SECURITY ACAC B37
COIM - CIR & FAC		
BASIC	\$ 41.24	SECURITY COIM-CIR&FAC B15
OVERTIME	\$ 52.06	SECURITY COIM-CIR&FAC B26
PREMIUM	\$ 62.88	SECURITY COIM-CIR&FAC B37
ICSC/LCSC		
BASIC	\$ 44.00	SECURITY ICSC LCSC B15
OVERTIME	\$ 53.06	SECURITY ICSC LCSC B26
PREMIUM	\$ 62.11	SECURITY ICSC LCSC B37

000238

DIR ASSG SUM

1998 - 2000 DIRECTLY ASSIGNED LABOR RATES				7-15-98
PLANT WORK CENTERS	JFC	REGIONAL	REFERENCE	
ADDRESS & FACILITY INVENTORY (AFIG)	400X 4M1X	\$ 33.90	DIR ASSG DETAIL F10	
INSTALL & MTCE - POTS	410X	\$ 41.00	DIR ASSG DETAIL F12	
INSTALL & MTCE - SPEC SVCS (SSIM)	411X	\$ 44.45	DIR ASSG DETAIL F13	
OUTSIDE PLANT CONSTRUCTION (OSPC)	420X 421X	\$ 45.05	DIR ASSG DETAIL F14	
OUTSIDE PLANT ADMIN CENTER (OPAC)	424X	\$ 34.41	DIR ASSG DETAIL F15	
CABLE REPAIR TECHNICIAN (CRT)	422X 423X 425X 426X	\$ 46.96	DIR ASSG DETAIL F16	
CO INSTALL & MTCE FIELD - SWITCH EQUIP	430X	\$ 44.88	DIR ASSG DETAIL F17	
CO INSTALL & MTCE FIELD - CIRCUIT & FAC	431X	\$ 42.88	DIR ASSG DETAIL F18	
RECENT CHANGE LINE TRANSLATIONS (RCMAG)	4321 4N1X	\$ 38.86	DIR ASSG DETAIL F19	
SWITCH & TRUNK BASED TRANSLATIONS	4320 4N2X	\$ 45.34	DIR ASSG DETAIL F20	
CO INSTALL, MTCE & ADMIN - SOFTWARE	4322 4323,4324	\$ 49.48	DIR ASSG DETAIL F21	
TRUNK & CARRIER GROUP (TCG)	4331 4342 473X 4N5X	\$ 43.55	DIR ASSG DETAIL F22	
NETWORK RELIABILITY CENTER (NRC)	4330 4341 4LXX	\$ 37.80	DIR ASSG DETAIL F23	
PROACTIVE ANALYSIS & REPAIR CTR (PAR)	4332 4PXX	\$ 35.77	DIR ASSG DETAIL F24	
CIRCUIT PROVISIONING GROUP (CPG)	470X 4N4X	\$ 37.06	DIR ASSG DETAIL F25	
ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	471X 4AXX	\$ 38.31	DIR ASSG DETAIL F26	
EQUIPMENT BILLING ACCURACY CONT (EBAC)	472X 4N3X	\$ 38.56	DIR ASSG DETAIL F27	
BUSINESS REPAIR CENTER (BRC)	4BXX	\$ 39.11	DIR ASSG DETAIL F28	
RESIDENCE REPAIR CENTER (RRC)	4RXX	\$ 34.89	DIR ASSG DETAIL F29	
WORK MANAGEMENT CENTER (WMC)	4WXX 401X	\$ 34.37	DIR ASSG DETAIL F30	
ENGINEERING FORCE GROUPS	JFC	REGIONAL	REFERENCE	
LAND AND BUILDINGS (FG10)	30XX 350X	\$ 67.04	DIR ASSG DETAIL F37	
NETWORK & ENGINEERING PLANNING (FG20)	31XX 34XX 3AXX 3BXX	\$ 56.20	DIR ASSG DETAIL F38	
NETWORK PLUG-IN ADMINISTRATION (PICS)	341X 3A2X	\$ 36.96	DIR ASSG DETAIL F39	
OUTSIDE PLANT ENGINEERING (FG30)	32XX 356X	\$ 47.97	DIR ASSG DETAIL F40	
COST GROUPS	JFC	REGIONAL	REFERENCE	
CABS ACCOUNTING	1200	\$ 43.32	DIR ASSG DETAIL F49	
CUSTOMER POINT OF CONTACT - ICSC/LSCS	2300	\$ 44.86	DIR ASSG DETAIL F50	
POTS OPERATOR	2120	\$ 32.58	DIR ASSG DETAIL F51	
DIRECTORY ASSISTANCE OPERATOR	2940	\$ 29.69	DIR ASSG DETAIL F52	
COIN COLLECTOR	2600	\$ 35.83	DIR ASSG DETAIL F53	
COLLECTIONS REP - RESIDENCE	2E40	\$ 35.30	DIR ASSG DETAIL F54	
COLLECTIONS REP - BUSINESS	2840	\$ 34.65	DIR ASSG DETAIL F55	
BUS OFC SVC REP - RESIDENCE	2E50 2E70	\$ 37.73	DIR ASSG DETAIL F56	
BUS OFC SVC REP - BUSINESS	2850 2870	\$ 37.39	DIR ASSG DETAIL F57	
COMPTROLLERS CLERICAL	1240 1250 1260 1270	\$ 40.86	DIR ASSG DETAIL F58	
NETWORK SERVICES CLERICAL	2700 2730	\$ 37.19	DIR ASSG DETAIL F59	
ACCOUNT EXECUTIVE	NOT APPLICABLE			
WITH SALES COMPENSATION		\$ 73.78	DIR ASSG DETAIL F61	
WITHOUT SALES COMPENSATION		\$ 59.93	DIR ASSG DETAIL F62	
SYSTEMS DESIGNER	NOT APPLICABLE			
WITH SALES COMPENSATION		\$ 67.26	DIR ASSG DETAIL F64	
WITHOUT SALES COMPENSATION		\$ 61.84	DIR ASSG DETAIL F65	
SERVICE CONSULTANT	NOT APPLICABLE	\$ 45.01	DIR ASSG DETAIL F66	

000239

DIR ASSG IT PB SUM

			7-15-98
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			
1998 - 2000			
DIRECTLY			
<u>BST IT</u>	<u>ASSIGNED</u>		<u>REFERENCE</u>
PAY BAND 54	\$	38.59	DIR ASSG IT PB DETAIL E10
PAY BAND 55	\$	40.53	DIR ASSG IT PB DETAIL E11
PAY BAND 56	\$	46.03	DIR ASSG IT PB DETAIL E12
PAY BAND 57	\$	47.82	DIR ASSG IT PB DETAIL E13
PAY BAND 58	\$	52.44	DIR ASSG IT PB DETAIL E14
PAY BAND 59	\$	57.92	DIR ASSG IT PB DETAIL E15
PAY BAND 60	\$	64.53	DIR ASSG IT PB DETAIL E16
PAY BAND 61	\$	70.60	DIR ASSG IT PB DETAIL E17
WAGE SCALE 10	\$	35.06	DIR ASSG IT PB DETAIL E18
WAGE SCALE 14	\$	36.02	DIR ASSG IT PB DETAIL E19
WAGE SCALE 16	\$	36.68	DIR ASSG IT PB DETAIL E20
WAGE SCALE 18	\$	37.18	DIR ASSG IT PB DETAIL E21
WAGE SCALE 32	\$	43.73	DIR ASSG IT PB DETAIL E22

000240

DIR ASSG MKTG PB SUM

7-15-98			
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			
1998 - 2000			
DIRECTLY			
BST MARKETING	ASSIGNED	REFERENCE	
PAY BAND 56	\$ 43.28	DIR ASSG MKTG PB DETAIL E10	
PAY BAND 57	\$ 45.08	DIR ASSG MKTG PB DETAIL E11	
PAY BAND 58	\$ 49.39	DIR ASSG MKTG PB DETAIL E12	
PAY BAND 59	\$ 55.17	DIR ASSG MKTG PB DETAIL E13	
PAY BAND 61	\$ 67.85	DIR ASSG MKTG PB DETAIL E14	
WAGE SCALE 10	\$ 32.31	DIR ASSG MKTG PB DETAIL E15	

000241

DIR ASSG NTKW PB SUM

7-15-98			
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			
1998 - 2000			
DIRECTLY			
<u>BST NETWORK</u>	<u>ASSIGNED</u>		<u>REFERENCE</u>
PAY BAND 56	\$	43.90	DIR ASSG NTKW PB DETAIL E10
PAY BAND 57	\$	45.69	DIR ASSG NTKW PB DETAIL E11
PAY BAND 58	\$	50.31	DIR ASSG NTKW PB DETAIL E12
PAY BAND 59	\$	55.78	DIR ASSG NTKW PB DETAIL E13
PAY BAND 61	\$	68.43	DIR ASSG NTKW PB DETAIL E14
WAGE SCALE 10	\$	32.96	DIR ASSG NTKW PB DETAIL E15

000242

DIR ASSG FIN PB SUM

7-15-98			
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			
1998 - 2000			
DIRECTLY			
<u>BST FINANCE/REGULATORY</u>		<u>ASSIGNED</u>	<u>REFERENCE</u>
PAY BAND 56	\$	41.72	DIR ASSG FIN PB DETAIL E10
PAY BAND 57	\$	43.50	DIR ASSG FIN PB DETAIL E11
PAY BAND 58	\$	48.12	DIR ASSG FIN PB DETAIL E12
PAY BAND 59	\$	53.59	DIR ASSG FIN PB DETAIL E13
PAY BAND 61	\$	66.24	DIR ASSG FIN PB DETAIL E14
WAGE SCALE 10	\$	30.78	DIR ASSG FIN PB DETAIL E15
WAGE SCALE 16	\$	32.39	DIR ASSG FIN PB DETAIL E16

000243

SECURITY DIR ASSG SUM

SECURITY ESCORT			7-15-98
1998 - 2000			
<u>DIRECTLY ASSIGNED</u>			<u>REFERENCE</u>
<u>ACAC</u>			
BASIC	\$	37.09	SECURITY DIR ASSG ACAC B12
OVERTIME	\$	46.99	SECURITY DIR ASSG ACAC B21
PREMIUM	\$	56.88	SECURITY DIR ASSG ACAC B30
<u>COIM - CIR & FAC</u>			
BASIC	\$	41.24	SECURITY DIR ASSG COIM-CIR&FAC B12
OVERTIME	\$	52.06	SECURITY DIR ASSG COIM-CIR&FAC B21
PREMIUM	\$	62.88	SECURITY DIR ASSG COIM-CIR&FAC B30
<u>ICSC/LCSC</u>			
BASIC	\$	44.00	SECURITY DIR ASSG ICSC LCSC B12
OVERTIME	\$	53.06	SECURITY DIR ASSG ICSC LCSC B21
PREMIUM	\$	62.11	SECURITY DIR ASSG ICSC LCSC B30

000244

SHARED LABOR FACTOR

SHARED LABOR FACTOR	
	1997 - 1999
	SHARED
PLANT WORK CENTERS	LABOR FACTOR
ADDRESS & FACILITY INVENTORY (AFIG)	0.0000
WORK MANAGEMENT CENTER (WMC) - JFC 401X	0.0000
INSTALLATION & MTCE - POTS	0.0000
INSTALLATION & MTCE - SPEC SVCS (SSIM)	0.0000
OUTSIDE PLANT CONSTRUCTION (OSPC)	0.0000
OUTSIDE PLANT ADMIN CENTER (OPAC)	0.0000
CABLE REPAIR TECHNICIAN (CRT)	0.0000
CO INSTALL & MTCE FIELD - SWITCH EQUIP	0.0000
CO INSTALL & MTCE - CIRCUIT & FACILITY	0.0000
RECENT CHANGE LINE TRANS (RCMAG)	0.0000
SWITCH & TRUNK BASED TRANSLATIONS	0.0000
CO INSTALL, MTCE & ADMIN - SOFTWARE	0.0000
TRUNK & CARRIER GROUP (TCG)	0.0000
NETWORK RELIABILITY CENTER (NRC)	0.0000
PROACTIVE ANALYSIS & REPAIR CTR (PAR)	0.0000
CIRCUIT PROVISIONING GROUP (CPG)	0.0000
ACCESS CUSTOMER ADVOCATE CTR (ACAC)	0.0000
EQUIP BILLING ACCURACY CONTROL (EBAC)	0.0000
BUSINESS REPAIR CENTER (BRC)	0.0000
RESIDENCE REPAIR CENTER (RRC)	0.0000
WORK MANAGEMENT CENTER (WMC) - JFC 4WX	0.0000
ENGINEERING FORCE GROUPS	
LAND & BUILDINGS (FG10)	0.0000
NETWORK & ENGINEERING PLANNING (FG20)	0.0000
NETWORK PLUG-IN ADMINISTRATION (PICS)	0.0000
OUTSIDE PLANT ENGINEERING (FG30)	0.0000
COST GROUPS	
CARRIER ACCESS BILLING SYSTEM (CABS)	0.0000
CUSTOMER POINT OF CONTACT - ICSC/LCSC	0.0000
POTS OPERATOR	0.0000
DIRECTORY ASSISTANCE OPERATOR	0.0000
COIN COLLECTOR	0.0000
COLLECTIONS REPRESENTATIVE - RES	0.0000
COLLECTIONS REPRESENTATIVE - BUS	0.0000
BUSINESS OFFICE SERVICE REP - RES	0.0000
BUSINESS OFFICE SERVICE REP - BUS	0.0000
COMPTROLLERS CLERICAL	0.0000
NETWORK SERVICES CLERICAL	0.0000
ACCOUNT EXECUTIVE	
WITH SALES COMPENSATION	0.0000
WITHOUT SALES COMPENSATION	0.0000
SYSTEMS DESIGNER	
WITH SALES COMPENSATION	0.0000
WITHOUT SALES COMPENSATION	0.0000
SERVICE CONSULTANT	0.0000
OTHER THAN IOT, COE & OSP	0.0000

000245

INFL FACTOR

1998 - 2000 TELRIC INFLATION RATE			
PLANT AND COST GROUPS			
1998 - 2.8%	1.028000		
1999 - 3.0%	1.058840	(1.028000*1.030)	
2000 - 3.2%	1.092723	(1.058840*1.032)	
	3.179563	/ 3 =	1.059854
ENGINEERING COST GROUPS			
1998 - 2.8%	1.028000		
1999 - 3.0%	1.058840	(1.028000*1.030)	
2000 - 3.2%	1.092723	(1.058840*1.032)	
	3.179563	/ 3 =	1.059854
AS OF 9-97			
SOURCE: BELLSOUTH REGION TELEPHONE PLANT INDEXES			

000246

TELRIC DETAIL

A	B	C	D	E	F	G	H
1998 - 2000 TELRIC LABOR RATES							
PLANT WORK CENTERS	DIRECT	OTHER	SHARED	SHARED	LABOR	1998 - 2000	1998 - 2000
	S&W*	DIRECT**	LABOR FACTOR***	COSTS (B*D)	RATES (B+C+E)	INFLATION FACTOR****	TELRIC LABOR RATES (F*G)
ADDRESS & FACILITY INVENTORY (AFIG)	\$ 24.23	\$ 7.76	0.0000	\$ -	\$ 31.98	1.059854	\$ 33.90
INSTALLATION & MTCE - POTS	\$ 27.78	\$ 10.90	0.0000	\$ -	\$ 38.68	1.059854	\$ 41.00
INSTALLATION & MTCE - SPEC SVCS (SSIM)	\$ 30.66	\$ 11.29	0.0000	\$ -	\$ 41.94	1.059854	\$ 44.45
OUTSIDE PLANT CONSTRUCTION (OSPC)	\$ 29.58	\$ 12.93	0.0000	\$ -	\$ 42.51	1.059854	\$ 45.05
OUTSIDE PLANT ADMIN CENTER (OPAC)	\$ 23.49	\$ 8.98	0.0000	\$ -	\$ 32.46	1.059854	\$ 34.41
CABLE REPAIR TECHNICIAN (CRT)	\$ 31.58	\$ 12.73	0.0000	\$ -	\$ 44.31	1.059854	\$ 46.96
CO INSTALL & MTCE FIELD - SWITCH EQUIP	\$ 30.30	\$ 12.05	0.0000	\$ -	\$ 42.35	1.059854	\$ 44.88
CO INSTALL & MTCE - CIRCUIT & FACILITY	\$ 28.75	\$ 11.70	0.0000	\$ -	\$ 40.46	1.059854	\$ 42.88
RECENT CHANGE LINE TRANS (RCMAG)	\$ 25.11	\$ 11.56	0.0000	\$ -	\$ 36.66	1.059854	\$ 38.86
SWITCH & TRUNK BASED TRANSLATIONS	\$ 30.72	\$ 12.06	0.0000	\$ -	\$ 42.78	1.059854	\$ 45.34
CO INSTALL, MTCE & ADMIN - SOFTWARE	\$ 35.37	\$ 11.31	0.0000	\$ -	\$ 46.68	1.059854	\$ 49.48
TRUNK & CARRIER GROUP (TCG)	\$ 29.18	\$ 11.91	0.0000	\$ -	\$ 41.09	1.059854	\$ 43.55
NETWORK RELIABILITY CENTER (NRC)	\$ 25.28	\$ 10.38	0.0000	\$ -	\$ 35.66	1.059854	\$ 37.80
PROACTIVE ANALYSIS & REPAIR CTR (PAR)	\$ 25.87	\$ 7.88	0.0000	\$ -	\$ 33.75	1.059854	\$ 35.77
CIRCUIT PROVISIONING GROUP (CPG)	\$ 24.97	\$ 10.00	0.0000	\$ -	\$ 34.97	1.059854	\$ 37.06
ACCESS CUSTOMER ADVOCATE CTR (ACAC)	\$ 27.88	\$ 8.27	0.0000	\$ -	\$ 36.14	1.059854	\$ 38.31
EQUIP BILLING ACCURACY CONTROL (EBAC)	\$ 24.85	\$ 11.54	0.0000	\$ -	\$ 36.39	1.059854	\$ 38.56
BUSINESS REPAIR CENTER (BRC)	\$ 28.62	\$ 8.29	0.0000	\$ -	\$ 36.90	1.059854	\$ 39.11
RESIDENCE REPAIR CENTER (RRC)	\$ 24.26	\$ 8.66	0.0000	\$ -	\$ 32.92	1.059854	\$ 34.89
WORK MANAGEMENT CENTER (WMC)	\$ 24.65	\$ 7.77	0.0000	\$ -	\$ 32.43	1.059854	\$ 34.37
* TOTAL DIR ASSG WORK SHEETS D19+22+26							
** TOTAL DIR ASSG WORK SHEETS D31-D26-D22-D19							
*** SHARED LABOR FACTOR							
**** INFL FACTOR E14							

TELRIC DETAIL

A	B	C	D	E	F	G	H
	DIRECT S&W*	OTHER DIRECT**	SHARED LABOR FACTOR***	SHARED COSTS (B*D)	LABOR RATES (B+C+E)	1998 - 2000 INFLATION FACTOR****	1998 - 2000 TELRIC LABOR RATES (F*G)
ENGINEERING FORCE GROUPS							
LAND & BUILDINGS (FG10)	\$ 47.56	\$ 15.70	0	\$ -	\$ 63.26	1.059854	\$ 67.04
NETWORK & ENGINEERING PLANNING (FG20)	\$ 40.53	\$ 12.50	0	\$ -	\$ 53.03	1.059854	\$ 56.20
NETWORK PLUG-IN ADMINISTRATION (PICS)	\$ 25.74	\$ 9.13	0	\$ -	\$ 34.87	1.059854	\$ 36.96
OUTSIDE PLANT ENGINEERING (FG30)	\$ 34.60	\$ 10.66	0	\$ -	\$ 45.26	1.059854	\$ 47.97
* TOTAL DIR ASSG WORK SHEETS D18							
** TOTAL DIR ASSG WORK SHEETS D22-D18							
*** SHARED LABOR FACTOR							
**** INFL FACTOR E26							
COST GROUPS							
CARRIER ACCESS BILLING SYSTEM (CABS)	\$ 26.97	\$ 13.91	0	\$ -	\$ 40.88	1.059854	\$ 43.32
CUSTOMER POINT OF CONTACT - ICSC/LCSC	\$ 25.33	\$ 16.99	0	\$ -	\$ 42.32	1.059854	\$ 44.86
POTS OPERATOR	\$ 23.79	\$ 6.94	0	\$ -	\$ 30.74	1.059854	\$ 32.58
DIRECTORY ASSISTANCE OPERATOR	\$ 21.19	\$ 6.83	0	\$ -	\$ 28.01	1.059854	\$ 29.69
COIN COLLECTOR	\$ 26.96	\$ 6.85	0	\$ -	\$ 33.80	1.059854	\$ 35.83
COLLECTIONS REPRESENTATIVE - RES	\$ 25.77	\$ 7.54	0	\$ -	\$ 33.31	1.059854	\$ 35.30
COLLECTIONS REPRESENTATIVE - BUS	\$ 25.07	\$ 7.62	0	\$ -	\$ 32.69	1.059854	\$ 34.65
BUSINESS OFFICE SERVICE REP - RES	\$ 27.97	\$ 7.63	0	\$ -	\$ 35.60	1.059854	\$ 37.73
BUSINESS OFFICE SERVICE REP - BUS	\$ 27.46	\$ 7.82	0	\$ -	\$ 35.28	1.059854	\$ 37.39
COMPTROLLERS CLERICAL	\$ 25.43	\$ 13.12	0	\$ -	\$ 38.56	1.059854	\$ 40.86
NETWORK SERVICES CLERICAL	\$ 27.27	\$ 7.82	0	\$ -	\$ 35.09	1.059854	\$ 37.19
* TOTAL DIR ASSG WORK SHEETS D19							
** TOTAL DIR ASSG WORK SHEETS D22-D19							
*** SHARED LABOR FACTOR							

000248

TELRIC DETAIL

**** INFL FACTOR E14	A	B	C	D	E	F	G	H
								1998 - 2000 TELRIC LABOR RATES (F*G)
						</		

000249

AFIG

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: ADDRESS AND FACILITY INVENTORY			
WCT: AFIG			
JFC: 400X OR 4M1X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$20,767,037.17	\$15.97	\$16.40
DIRECT LABOR-PREMIUM	\$696,625.21	\$0.54	\$0.55
DIRECT LABOR-OTHER EMP	\$934,334.70	\$0.72	\$0.74
DIRECT LABOR-ANN PD ABS	\$2,983,591.45	\$2.29	\$2.36
DIRECT ADMINISTRATION	\$5,292,146.29	\$4.07	\$4.18
TOTAL DIRECT LABOR	\$30,673,734.82	\$23.59	\$24.23
DIRECT LABOR-OTHER COST	\$533,163.49	\$0.41	\$0.42
DIRECT LABOR-OTH COST-BC	\$0.00	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$0.00	\$0.00	\$0.00
OTHER TOOLS-BENEFITS	\$0.00	\$0.00	\$0.00
OTHER TOOLS-RENTS	\$0.00	\$0.00	\$0.00
OTHER TOOLS-OTHER	\$0.00	\$0.00	\$0.00
MOTOR VEHICLES-SALARIES	\$166.13	\$0.00	\$0.00
MOTOR VEHICLES-BENEFITS	\$39.65	\$0.00	\$0.00
MOTOR VEHICLES-RENTS	\$15.64	\$0.00	\$0.00
MOTOR VEHICLES-OTHER	\$1,202.92	\$0.00	\$0.00
BENEFITS	\$9,286,366.89	\$7.14	\$7.33
TOTAL DIRECTLY ASSIGNED	\$40,494,689.54	\$31.14	\$31.98
TOTAL CLASSIFIED HOURS	1,300,291.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000250

I&M POTS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: INSTALLATION AND MTCE - POTS			
WCT: I&MPOTS			
JFC: 410X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 293,113,391.21	\$ 18.90	\$ 19.41
DIRECT LABOR - PREMIUM	\$ 36,749,886.67	\$ 2.37	\$ 2.43
DIRECT LABOR - OTHER EMPLOYEE	\$ 8,805,705.73	\$ 0.57	\$ 0.58
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 35,490,861.81	\$ 2.29	\$ 2.35
DIRECT ADMINISTRATION	\$ 41,092,889.82	\$ 2.65	\$ 2.72
TOTAL DIRECT LABOR	\$ 415,252,735.24	\$ 26.78	\$ 27.50
DIRECT LABOR - OTHER COSTS	\$ 9,915,902.30	\$ 0.64	\$ 0.66
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ 651,295.94	\$ 0.04	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 200,032.46	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 480,665.55	\$ 0.03	\$ 0.03
OTHER TOOLS - OTHER	\$ 17,063,990.60	\$ 1.10	\$ 1.13
MOTOR VEHICLES - SALARIES	\$ 3,571,284.18	\$ 0.23	\$ 0.24
MOTOR VEHICLES - BENEFITS	\$ 1,048,184.19	\$ 0.07	\$ 0.07
MOTOR VEHICLES - RENTS	\$ 1,702,720.98	\$ 0.11	\$ 0.11
MOTOR VEHICLES - OTHER	\$ 18,096,258.31	\$ 1.17	\$ 1.20
BENEFITS	\$ 116,059,106.18	\$ 7.49	\$ 7.69
TOTAL DIRECTLY ASSIGNED	\$ 584,042,175.93	\$ 37.67	\$ 38.68
TOTAL CLASSIFIED PROD HOURS	15,505,130.29		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000251

SSIM

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: INSTALLATION & MTCE - SPECIAL SERVICES			
WCT: SSIM			
JFC: 4110			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B32)</u>	<u>(C*B3)</u>
DIRECT LABOR - PRODUCTIVE	\$ 56,009,546.61	\$ 21.69	\$ 22.27
DIRECT LABOR - PREMIUM	\$ 5,803,083.87	\$ 2.25	\$ 2.31
DIRECT LABOR - OTHER EMPLOYEE	\$ 1,421,513.87	\$ 0.55	\$ 0.57
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 6,049,415.27	\$ 2.34	\$ 2.41
DIRECT ADMINISTRATION	\$ 7,125,736.54	\$ 2.76	\$ 2.83
TOTAL DIRECT LABOR	\$ 76,409,296.16	\$ 29.59	\$ 30.38
DIRECT LABOR - OTHER COSTS	\$ 2,625,976.81	\$ 1.02	\$ 1.04
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ 95,054.97	\$ 0.04	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 29,239.56	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 70,863.99	\$ 0.03	\$ 0.03
OTHER TOOLS - OTHER	\$ 2,500,621.59	\$ 0.97	\$ 0.99
MOTOR VEHICLES - SALARIES	\$ 586,514.07	\$ 0.23	\$ 0.23
MOTOR VEHICLES - BENEFITS	\$ 171,063.04	\$ 0.07	\$ 0.07
MOTOR VEHICLES - RENTS	\$ 264,735.94	\$ 0.10	\$ 0.11
MOTOR VEHICLES - OTHER	\$ 2,963,712.92	\$ 1.15	\$ 1.18
BENEFITS	\$ 19,756,722.69	\$ 7.65	\$ 7.86
TOTAL DIRECTLY ASSIGNED	\$ 105,473,801.74	\$ 40.84	\$ 41.94
TOTAL CLASSIFIED PROD HOURS	2,582,681.02		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000252

OSPC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: OUTSIDE PLANT CONSTRUCTION			
WCT: OSPC			
JFC: 420X OR 421X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 155,896,205.91	\$ 20.09	\$ 20.63
DIRECT LABOR - PREMIUM	\$ 8,753,828.19	\$ 1.13	\$ 1.16
DIRECT LABOR - OTHER EMPLOYEE	\$ 6,487,978.93	\$ 0.84	\$ 0.86
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 19,817,979.99	\$ 2.55	\$ 2.62
DIRECT ADMINISTRATION	\$ 29,392,458.82	\$ 3.79	\$ 3.89
TOTAL DIRECT LABOR	\$ 220,348,451.84	\$ 28.39	\$ 29.16
DIRECT LABOR - OTHER COSTS	\$ 7,297,604.01	\$ 0.94	\$ 0.97
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ 324,187.80	\$ 0.04	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 99,284.23	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 206,043.72	\$ 0.03	\$ 0.03
OTHER TOOLS - OTHER	\$ 8,381,558.92	\$ 1.08	\$ 1.11
MOTOR VEHICLES - SALARIES	\$ 2,852,690.71	\$ 0.37	\$ 0.38
MOTOR VEHICLES - BENEFITS	\$ 849,310.45	\$ 0.11	\$ 0.11
MOTOR VEHICLES - RENTS	\$ 1,471,970.90	\$ 0.19	\$ 0.19
MOTOR VEHICLES - OTHER	\$ 14,882,348.57	\$ 1.92	\$ 1.97
BENEFITS	\$ 64,520,731.87	\$ 8.31	\$ 8.54
TOTAL DIRECTLY ASSIGNED	\$ 321,234,183.02	\$ 41.39	\$ 42.51
TOTAL CLASSIFIED PROD HOURS	7,760,965.04		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000253

OPAC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: OUTSIDE PLANT ADMINISTRATION CENTER			
WCT: OPAC			
JFC: 424X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 10,700,954.29	\$ 15.68	\$ 16.10
DIRECT LABOR - PREMIUM	\$ 206,523.19	\$ 0.30	\$ 0.31
DIRECT LABOR - OTHER EMPLOYEE	\$ 529,764.71	\$ 0.78	\$ 0.80
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 1,711,135.10	\$ 2.51	\$ 2.57
DIRECT ADMINISTRATION	\$ 2,463,655.70	\$ 3.61	\$ 3.71
TOTAL DIRECT LABOR	\$ 15,612,032.99	\$ 22.87	\$ 23.49
DIRECT LABOR - OTHER COSTS	\$ 657,132.05	\$ 0.96	\$ 0.99
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ -	\$ -	\$ -
OTHER TOOLS - BENEFITS	\$ -	\$ -	\$ -
OTHER TOOLS - RENTS	\$ -	\$ -	\$ -
OTHER TOOLS - OTHER	\$ -	\$ -	\$ -
MOTOR VEHICLES - SALARIES	\$ -	\$ -	\$ -
MOTOR VEHICLES - BENEFITS	\$ -	\$ -	\$ -
MOTOR VEHICLES - RENTS	\$ -	\$ -	\$ -
MOTOR VEHICLES - OTHER	\$ -	\$ -	\$ -
BENEFITS	\$ 5,310,175.39	\$ 7.78	\$ 7.99
TOTAL DIRECTLY ASSIGNED	\$ 21,579,340.43	\$ 31.61	\$ 32.46
TOTAL CLASSIFIED PROD HOURS	682,645.56		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000254

CRT

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: CABLE REPAIR TECHNICIAN			
WCT: CRT			
JFC: 422X OR 423X OR 425X OR 426X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B32)</u>	<u>(C*B3)</u>
DIRECT LABOR - PRODUCTIVE	\$ 143,901,243.54	\$ 20.46	\$ 21.01
DIRECT LABOR - PREMIUM	\$ 19,481,078.66	\$ 2.77	\$ 2.84
DIRECT LABOR - OTHER EMPLOYEE	\$ 5,725,641.82	\$ 0.81	\$ 0.84
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 18,355,953.10	\$ 2.61	\$ 2.68
DIRECT ADMINISTRATION	\$ 25,884,288.98	\$ 3.68	\$ 3.78
TOTAL DIRECT LABOR	\$ 213,348,206.10	\$ 30.33	\$ 31.15
DIRECT LABOR - OTHER COSTS	\$ 5,744,956.20	\$ 0.82	\$ 0.84
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ 301,738.03	\$ 0.04	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 92,319.34	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 183,140.85	\$ 0.03	\$ 0.03
OTHER TOOLS - OTHER	\$ 7,601,887.85	\$ 1.08	\$ 1.11
MOTOR VEHICLES - SALARIES	\$ 2,654,988.32	\$ 0.38	\$ 0.39
MOTOR VEHICLES - BENEFITS	\$ 772,679.10	\$ 0.11	\$ 0.11
MOTOR VEHICLES - RENTS	\$ 1,127,060.67	\$ 0.16	\$ 0.16
MOTOR VEHICLES - OTHER	\$ 13,429,958.55	\$ 1.91	\$ 1.96
BENEFITS	\$ 58,225,008.52	\$ 8.28	\$ 8.50
TOTAL DIRECTLY ASSIGNED	\$ 303,481,943.53	\$ 43.14	\$ 44.31
TOTAL CLASSIFIED PROD HOURS	7,034,659.01		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000255

COIM-CIR&FAC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: CO INSTALLATION & MTCE - CIRCUIT & FACILITY			
WCT: COIM-CIR & FAC			
JFC: 431X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B32)</u>	<u>(C*B3)</u>
DIRECT LABOR - PRODUCTIVE	\$ 41,494,225.63	\$ 19.88	\$ 20.42
DIRECT LABOR - PREMIUM	\$ 3,134,795.31	\$ 1.50	\$ 1.54
DIRECT LABOR - OTHER EMPLOYEE	\$ 1,529,570.99	\$ 0.73	\$ 0.75
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 5,637,555.36	\$ 2.70	\$ 2.77
DIRECT ADMINISTRATION	\$ 6,429,727.89	\$ 3.08	\$ 3.16
TOTAL DIRECT LABOR	\$ 58,225,875.18	\$ 27.90	\$ 28.65
DIRECT LABOR - OTHER COSTS	\$ 3,366,047.94	\$ 1.61	\$ 1.66
DIRECT LABOR - OTHER COSTS - BC	\$ 94.40	\$ 0.00	\$ 0.00
OTHER TOOLS - SALARIES	\$ 72,170.93	\$ 0.03	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 22,286.48	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 33,011.29	\$ 0.02	\$ 0.02
OTHER TOOLS - OTHER	\$ 1,895,485.70	\$ 0.91	\$ 0.93
MOTOR VEHICLES - SALARIES	\$ 137,268.19	\$ 0.07	\$ 0.07
MOTOR VEHICLES - BENEFITS	\$ 39,692.14	\$ 0.02	\$ 0.02
MOTOR VEHICLES - RENTS	\$ 53,645.46	\$ 0.03	\$ 0.03
MOTOR VEHICLES - OTHER	\$ 658,370.24	\$ 0.32	\$ 0.32
BENEFITS	\$ 17,711,009.58	\$ 8.49	\$ 8.72
TOTAL DIRECTLY ASSIGNED	\$ 82,214,957.53	\$ 39.39	\$ 40.46
TOTAL CLASSIFIED PROD HOURS	2,087,108.85		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000256

COIM-SW EQ

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: CO INSTALLATION AND MTCE FIELD - SWITCH EQUIP			
WCT: COIM-SW EQ			
JFC: 430X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 77,413,727.48	\$ 21.42	\$ 22.00
DIRECT LABOR - PREMIUM	\$ 4,974,801.00	\$ 1.38	\$ 1.41
DIRECT LABOR - OTHER EMPLOYEE	\$ 2,626,166.98	\$ 0.73	\$ 0.75
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 9,871,074.66	\$ 2.73	\$ 2.81
DIRECT ADMINISTRATION	\$ 11,330,657.69	\$ 3.14	\$ 3.22
TOTAL DIRECT LABOR	\$ 106,216,427.81	\$ 29.40	\$ 30.19
DIRECT LABOR - OTHER COSTS	\$ 6,313,990.24	\$ 1.75	\$ 1.79
DIRECT LABOR - OTHER COSTS - BC	\$ 140.51	\$ 0.00	\$ 0.00
OTHER TOOLS - SALARIES	\$ 141,888.03	\$ 0.04	\$ 0.04
OTHER TOOLS - BENEFITS	\$ 43,266.63	\$ 0.01	\$ 0.01
OTHER TOOLS - RENTS	\$ 129,493.17	\$ 0.04	\$ 0.04
OTHER TOOLS - OTHER	\$ 3,307,011.46	\$ 0.92	\$ 0.94
MOTOR VEHICLES - SALARIES	\$ 248,584.76	\$ 0.07	\$ 0.07
MOTOR VEHICLES - BENEFITS	\$ 71,058.80	\$ 0.02	\$ 0.02
MOTOR VEHICLES - RENTS	\$ 92,408.11	\$ 0.03	\$ 0.03
MOTOR VEHICLES - OTHER	\$ 1,248,962.60	\$ 0.35	\$ 0.35
BENEFITS	\$ 31,183,978.52	\$ 8.63	\$ 8.86
TOTAL DIRECTLY ASSIGNED	\$ 148,997,210.64	\$ 41.24	\$ 42.35
TOTAL CLASSIFIED PROD HOURS	3,613,360.58		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000257

RCMAG

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: RECENT CHANGE MEMORY LINE TRANSLATION			
WCT: RCMAG			
JFC: 4321 OR 4N1X			
		1996	1997
		CLASSIFIED	CLASSIFIED
		HOURLY COST	HOURLY COST
	1996		
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$9,627,740.30	\$16.09	\$16.52
DIRECT LABOR-PREMIUM	\$703,316.51	\$1.18	\$1.21
DIRECT LABOR-OTHER EMP	\$417,025.35	\$0.70	\$0.72
DIRECT LABOR-ANN PD ABS	\$1,587,096.44	\$2.65	\$2.72
DIRECT ADMINISTRATION	\$2,237,899.06	\$3.74	\$3.84
TOTAL DIRECT LABOR	\$14,573,077.66	\$24.35	\$25.01
DIRECT LABOR-OTHER COST	\$996,889.16	\$1.67	\$1.71
DIRECT LABOR-OTH COST-BC	\$35.08	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$20,115.95	\$0.03	\$0.03
OTHER TOOLS-BENEFITS	\$6,154.23	\$0.01	\$0.01
OTHER TOOLS-RENTS	\$12,128.21	\$0.02	\$0.02
OTHER TOOLS-OTHER	\$510,688.45	\$0.85	\$0.88
MOTOR VEHICLES-SALARIES	\$38,160.91	\$0.06	\$0.07
MOTOR VEHICLES-BENEFITS	\$10,925.19	\$0.02	\$0.02
MOTOR VEHICLES-RENTS	\$15,890.38	\$0.03	\$0.03
MOTOR VEHICLES-OTHER	\$194,706.46	\$0.33	\$0.33
BENEFITS	\$4,987,138.03	\$8.33	\$8.56
TOTAL DIRECTLY ASSIGNED	\$21,365,909.71	\$35.70	\$36.66
TOTAL CLASSIFIED HOURS	598,511.50		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000258

TRANSLATIONS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: SWITCH AND TRUNK BASED TRANSLATIONS			
WCT: TRANSLATIONS			
JFC: 432X OR 4N2X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B32)</u>	<u>(C*B3)</u>
DIRECT LABOR - PRODUCTIVE	\$ 14,216,474.48	\$20.69	\$21.25
DIRECT LABOR - PREMIUM	\$ 1,291,663.99	\$1.88	\$1.93
DIRECT LABOR - OTHER EMPLOYEE	\$ 502,307.41	\$0.73	\$0.75
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 1,870,076.80	\$2.72	\$2.80
DIRECT ADMINISTRATION	\$ 2,597,286.30	\$3.78	\$3.88
TOTAL DIRECT LABOR	\$ 20,477,808.98	\$29.81	\$30.61
DIRECT LABOR - OTHER COSTS	\$ 1,153,275.91	\$1.68	\$1.72
DIRECT LABOR - OTHER COSTS - BC	\$ 36.88	\$0.00	\$0.00
OTHER TOOLS - SALARIES	\$ 23,773.15	\$0.03	\$0.04
OTHER TOOLS - BENEFITS	\$ 7,224.62	\$0.01	\$0.01
OTHER TOOLS - RENTS	\$ 12,095.45	\$0.02	\$0.02
OTHER TOOLS - OTHER	\$ 596,665.21	\$0.87	\$0.89
MOTOR VEHICLES - SALARIES	\$ 46,979.99	\$0.07	\$0.07
MOTOR VEHICLES - BENEFITS	\$ 13,306.41	\$0.02	\$0.02
MOTOR VEHICLES - RENTS	\$ 16,744.06	\$0.02	\$0.03
MOTOR VEHICLES - OTHER	\$ 238,415.06	\$0.35	\$0.36
BENEFITS	\$ 6,027,415.87	\$8.77	\$9.01
TOTAL DIRECTLY ASSIGNED	\$ 28,613,741.59	\$41.65	\$42.78
TOTAL CLASSIFIED PROD HOURS	686,970.22		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000259

SOFTWARE

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: CO INSTALLATION, MAINTENANCE AND ADMINISTRATION-SOFTWARE			
WCT: SOFTWARE			
JFC: 4322 OR 4323 OR 4324			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$187,293.48	\$27.45	\$28.19
DIRECT LABOR-PREMIUM	\$8,947.20	\$1.31	\$1.35
DIRECT LABOR-OTHER EMP	\$8,659.32	\$1.27	\$1.30
DIRECT LABOR-ANN PD ABS	\$17,357.96	\$2.54	\$2.61
DIRECT ADMINISTRATION	\$12,689.40	\$1.86	\$1.91
TOTAL DIRECT LABOR	\$234,947.36	\$34.44	\$35.37
DIRECT LABOR-OTHER COST	\$6,891.94	\$1.01	\$1.04
DIRECT LABOR-OTH COST-BC	\$0.00	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$5.83	\$0.00	\$0.00
OTHER TOOLS-BENEFITS	\$1.64	\$0.00	\$0.00
OTHER TOOLS-RENTS	\$0.08	\$0.00	\$0.00
OTHER TOOLS-OTHER	\$3,610.20	\$0.53	\$0.54
MOTOR VEHICLES-SALARIES	\$24.86	\$0.00	\$0.00
MOTOR VEHICLES-BENEFITS	\$8.62	\$0.00	\$0.00
MOTOR VEHICLES-RENTS	\$59.52	\$0.01	\$0.01
MOTOR VEHICLES-OTHER	\$170.18	\$0.02	\$0.03
BENEFITS	\$64,423.23	\$9.44	\$9.70
TOTAL DIRECTLY ASSIGNED	\$310,143.46	\$45.46	\$46.68
TOTAL CLASSIFIED HOURS	6822.76		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000260

TCG

A	B	C	D
INFLATION REGION:*	1.027		
STATE: REGION			
FG/FSG: TRUNK AND CARRIER GROUP			
WCT: TCG			
JFC: 4331 OR 4342 OR 473X OR 4N5X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOULY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 7,385,510.60	\$20.17	\$20.71
DIRECT LABOR - PREMIUM	\$ 361,466.28	\$0.99	\$1.01
DIRECT LABOR - OTHER EMPLOYEE	\$ 264,876.68	\$0.72	\$0.74
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 990,453.24	\$2.70	\$2.78
DIRECT ADMINISTRATION	\$ 1,370,358.11	\$3.74	\$3.84
TOTAL DIRECT LABOR	\$ 10,372,664.91	\$28.33	\$29.09
DIRECT LABOR - OTHER COSTS	\$ 634,109.03	\$1.73	\$1.78
DIRECT LABOR - OTHER COSTS - BC	\$ 25.21	\$0.00	\$0.00
OTHER TOOLS - SALARIES	\$ 10,570.65	\$0.03	\$0.03
OTHER TOOLS - BENEFITS	\$ 3,285.57	\$0.01	\$0.01
OTHER TOOLS - RENTS	\$ 3,821.75	\$0.01	\$0.01
OTHER TOOLS - OTHER	\$ 277,042.12	\$0.76	\$0.78
MOTOR VEHICLES - SALARIES	\$ 21,850.11	\$0.06	\$0.06
MOTOR VEHICLES - BENEFITS	\$ 6,222.74	\$0.02	\$0.02
MOTOR VEHICLES - RENTS	\$ 8,615.66	\$0.02	\$0.02
MOTOR VEHICLES - OTHER	\$ 110,357.33	\$0.30	\$0.31
BENEFITS	\$ 3,202,466.06	\$8.75	\$8.98
TOTAL DIRECTLY ASSIGNED	\$ 14,651,031.14	\$40.01	\$41.09
TOTAL CLASSIFIED PROD HOURS	366,195.54		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000261

NRC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: NETWORK RELIABILITY CENTER			
WCT: NRC			
JFC: 4LXX OR 4330 OR 4341			
		1996	1997
		PRODUCTIVE	PRODUCTIVE
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 5,622,421.97	\$17.18	\$17.64
DIRECT LABOR - PREMIUM	\$ 547,748.91	\$1.67	\$1.72
DIRECT LABOR - OTHER EMPLOYEE	\$ 226,115.87	\$0.69	\$0.71
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 830,317.30	\$2.54	\$2.61
DIRECT ADMINISTRATION	\$ 809,148.85	\$2.47	\$2.54
TOTAL DIRECT LABOR	\$ 8,035,752.91	\$24.55	\$25.21
DIRECT LABOR - OTHER COSTS	\$ 806,879.24	\$2.47	\$2.53
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$0.00	\$0.00
OTHER TOOLS - SALARIES	\$ 344.20	\$0.00	\$0.00
OTHER TOOLS - BENEFITS	\$ 116.64	\$0.00	\$0.00
OTHER TOOLS - RENTS	\$ 24.27	\$0.00	\$0.00
OTHER TOOLS - OTHER	\$ 17,266.29	\$0.05	\$0.05
MOTOR VEHICLES - SALARIES	\$ 21,734.94	\$0.07	\$0.07
MOTOR VEHICLES - BENEFITS	\$ 6,457.55	\$0.02	\$0.02
MOTOR VEHICLES - RENTS	\$ 12,303.75	\$0.04	\$0.04
MOTOR VEHICLES - OTHER	\$ 57,591.63	\$0.18	\$0.18
BENEFITS	\$ 2,407,015.27	\$7.35	\$7.55
TOTAL DIRECTLY ASSIGNED	\$ 11,365,486.69	\$34.72	\$35.66
TOTAL PRODUCTIVE HOURS	327,299.89		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000262

PAR

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: PROACTIVE ANALYSIS AND REPAIR CENTER			
WCT: PAR			
JFC: 4PXX OR 4332			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$744,785.41	\$17.23	\$17.69
DIRECT LABOR-PREMIUM	\$5,416.72	\$0.13	\$0.13
DIRECT LABOR-OTHER EMP	\$30,145.58	\$0.70	\$0.72
DIRECT LABOR-ANN PD ABS	\$100,632.79	\$2.33	\$2.39
DIRECT ADMINISTRATION	\$207,864.42	\$4.81	\$4.94
TOTAL DIRECT LABOR	\$1,088,844.92	\$25.19	\$25.87
DIRECT LABOR-OTHER COST	\$21,668.28	\$0.50	\$0.51
DIRECT LABOR-OTH COST-BC	\$0.00	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$29.18	\$0.00	\$0.00
OTHER TOOLS-BENEFITS	\$8.71	\$0.00	\$0.00
OTHER TOOLS-RENTS	\$1.82	\$0.00	\$0.00
OTHER TOOLS-OTHER	\$715.28	\$0.02	\$0.02
MOTOR VEHICLES-SALARIES	\$60.74	\$0.00	\$0.00
MOTOR VEHICLES-BENEFITS	\$16.57	\$0.00	\$0.00
MOTOR VEHICLES-RENTS	\$0.42	\$0.00	\$0.00
MOTOR VEHICLES-OTHER	\$173.46	\$0.00	\$0.00
BENEFITS	\$309,237.42	\$7.15	\$7.35
TOTAL DIRECTLY ASSIGNED	\$1,420,756.80	\$32.86	\$33.75
TOTAL CLASSIFIED HOURS	43,231.25		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000263

CPG

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: CIRCUIT PROVISIONING GROUP			
WCT: CPG			
JFC: 470X OR 4N4X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 9,042,764.47	\$16.62	\$17.07
DIRECT LABOR - PREMIUM	\$ 240,423.35	\$0.44	\$0.45
DIRECT LABOR - OTHER EMPLOYEE	\$ 380,143.67	\$0.70	\$0.72
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 1,456,469.39	\$2.68	\$2.75
DIRECT ADMINISTRATION	\$ 2,104,619.55	\$3.87	\$3.97
TOTAL DIRECT LABOR	\$ 13,224,420.43	\$24.31	\$24.97
DIRECT LABOR - OTHER COSTS	\$ 817,903.09	\$1.50	\$1.54
DIRECT LABOR - OTHER COSTS - BC	\$ 23.77	\$0.00	\$0.00
OTHER TOOLS - SALARIES	\$ 82.12	\$0.00	\$0.00
OTHER TOOLS - BENEFITS	\$ 26.52	\$0.00	\$0.00
OTHER TOOLS - RENTS	\$ 16.95	\$0.00	\$0.00
OTHER TOOLS - OTHER	\$ 2,265.60	\$0.00	\$0.00
MOTOR VEHICLES - SALARIES	\$ 115.75	\$0.00	\$0.00
MOTOR VEHICLES - BENEFITS	\$ 44.12	\$0.00	\$0.00
MOTOR VEHICLES - RENTS	\$ 137.83	\$0.00	\$0.00
MOTOR VEHICLES - OTHER	\$ 477.99	\$0.00	\$0.00
BENEFITS	\$ 4,476,221.70	\$0.00	\$0.00
TOTAL DIRECTLY ASSIGNED	\$ 18,521,735.87	\$34.05	\$34.97
TOTAL CLASSIFIED PROD HOURS	543,952.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000264

ACAC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: ACCESS CUSTOMER ADVOCATE CENTER			
WCT: ACAC			
JFC: 4AXX OR 471X			
		1996	1997
		PRODUCTIVE	INFLATED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 1,202,074.42	\$18.19	\$18.68
DIRECT LABOR - PREMIUM	\$ 73,913.25	\$1.12	\$1.15
DIRECT LABOR - OTHER EMPLOYEE	\$ 42,109.64	\$0.64	\$0.65
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 166,637.80	\$2.52	\$2.59
DIRECT ADMINISTRATION	\$ 309,049.41	\$4.68	\$4.80
TOTAL DIRECT LABOR	\$ 1,793,784.52	\$27.14	\$27.87
DIRECT LABOR - OTHER COSTS	\$ 57,651.93	\$0.87	\$0.90
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$0.00	\$0.00
OTHER TOOLS - SALARIES	\$ 29.24	\$0.00	\$0.00
OTHER TOOLS - BENEFITS	\$ 9.71	\$0.00	\$0.00
OTHER TOOLS - RENTS	\$ 2.24	\$0.00	\$0.00
OTHER TOOLS - OTHER	\$ 898.75	\$0.01	\$0.01
MOTOR VEHICLES - SALARIES	\$ 306.70	\$0.00	\$0.00
MOTOR VEHICLES - BENEFITS	\$ 70.46	\$0.00	\$0.00
MOTOR VEHICLES - RENTS	\$ 279.81	\$0.00	\$0.00
MOTOR VEHICLES - OTHER	\$ 1,471.46	\$0.02	\$0.02
BENEFITS	\$ 471,595.10	\$7.13	\$7.33
TOTAL DIRECTLY ASSIGNED	\$ 2,326,099.92	\$35.19	\$36.14
TOTAL PRODUCTIVE HOURS	66,096.58		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000265

EBAC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: EQUIPMENT BILLING ACCURACY CONTROL			
WCT: EBAC			
JFC: 472X OR 4N3X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$1,996,679.45	\$16.32	\$16.76
DIRECT LABOR-PREMIUM	\$91,003.96	\$0.74	\$0.76
DIRECT LABOR-OTHER EMP	\$86,583.73	\$0.71	\$0.73
DIRECT LABOR-ANN PD ABS	\$322,454.47	\$2.63	\$2.71
DIRECT ADMINISTRATION	\$450,965.09	\$3.69	\$3.78
TOTAL DIRECT LABOR	\$2,947,686.70	\$24.09	\$24.74
DIRECT LABOR-OTHER COST	\$198,466.05	\$1.62	\$1.67
DIRECT LABOR-OTH COST-BC	\$4.67	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$4,436.33	\$0.04	\$0.04
OTHER TOOLS-BENEFITS	\$1,322.66	\$0.01	\$0.01
OTHER TOOLS-RENTS	\$3,956.21	\$0.03	\$0.03
OTHER TOOLS-OTHER	\$110,091.25	\$0.90	\$0.92
MOTOR VEHICLES-SALARIES	\$8,965.16	\$0.07	\$0.08
MOTOR VEHICLES-BENEFITS	\$2,572.17	\$0.02	\$0.02
MOTOR VEHICLES-RENTS	\$3,175.88	\$0.03	\$0.03
MOTOR VEHICLES-OTHER	\$44,076.68	\$0.36	\$0.37
BENEFITS	\$1,010,985.17	\$8.26	\$8.48
TOTAL DIRECTLY ASSIGNED	\$4,335,738.93	\$35.43	\$36.39
TOTAL CLASSIFIED HOURS	122,374.50		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000266

BRC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: BUSINESS REPAIR CENTER			
WCT: BRC			
JFC: 4BXX			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$20,742,404.71	\$18.94	\$19.46
DIRECT LABOR-PREMIUM	\$1,686,270.39	\$1.54	\$1.58
DIRECT LABOR-OTHER EMP	\$1,484,224.07	\$1.36	\$1.39
DIRECT LABOR-ANN PD ABS	\$3,146,818.17	\$2.87	\$2.95
DIRECT ADMINISTRATION	\$3,441,459.11	\$3.14	\$3.23
TOTAL DIRECT LABOR	\$30,501,176.45	\$27.86	\$28.61
DIRECT LABOR-OTHER COST	\$514,441.86	\$0.47	\$0.48
DIRECT LABOR-OTH COST-BC	\$7.26	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$242.05	\$0.00	\$0.00
OTHER TOOLS-BENEFITS	\$82.84	\$0.00	\$0.00
OTHER TOOLS-RENTS	\$74.89	\$0.00	\$0.00
OTHER TOOLS-OTHER	\$13,736.12	\$0.01	\$0.01
MOTOR VEHICLES-SALARIES	\$5,180.16	\$0.00	\$0.00
MOTOR VEHICLES-BENEFITS	\$1,618.39	\$0.00	\$0.00
MOTOR VEHICLES-RENTS	\$2,972.94	\$0.00	\$0.00
MOTOR VEHICLES-OTHER	\$20,511.80	\$0.02	\$0.02
BENEFITS	\$8,281,421.72	\$7.56	\$7.77
TOTAL DIRECTLY ASSIGNED	\$39,341,466.48	\$35.93	\$36.90
TOTAL CLASSIFIED HOURS	1,094,881.25		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000267

RRC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: RESIDENCE REPAIR CENTER			
WCT: RRC			
JFC: 4RXX			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$7,402,890.40	\$15.44	\$15.85
DIRECT LABOR-PREMIUM	\$658,872.75	\$1.37	\$1.41
DIRECT LABOR-OTHER EMP	\$393,338.58	\$0.82	\$0.84
DIRECT LABOR-ANN PD ABS	\$1,129,071.66	\$2.35	\$2.42
DIRECT ADMINISTRATION	\$1,741,062.48	\$3.63	\$3.73
TOTAL DIRECT LABOR	\$11,325,235.87	\$23.62	\$24.26
DIRECT LABOR-OTHER COST	\$98,561.13	\$0.21	\$0.21
DIRECT LABOR-OTH COST-BC	\$0.00	\$0.00	\$0.00
OTHER TOOLS-SALARIES	\$0.00	\$0.00	\$0.00
OTHER TOOLS-BENEFITS	\$0.00	\$0.00	\$0.00
OTHER TOOLS-RENTS	\$0.00	\$0.00	\$0.00
OTHER TOOLS-OTHER	\$0.00	\$0.00	\$0.00
MOTOR VEHICLES-SALARIES	\$1,012.18	\$0.00	\$0.00
MOTOR VEHICLES-BENEFITS	\$272.58	\$0.00	\$0.00
MOTOR VEHICLES-RENTS	\$319.61	\$0.00	\$0.00
MOTOR VEHICLES-OTHER	\$4,693.99	\$0.01	\$0.01
BENEFITS	\$3,939,398.87	\$8.22	\$8.44
TOTAL DIRECTLY ASSIGNED	\$15,369,494.23	\$32.05	\$32.92
TOTAL CLASSIFIED HOURS	479,529.25		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000268

WMC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: WORK MANAGEMENT CENTER			
WCT: WMC			
JFC: 4WXX OR 401X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B32)	(C*B3)
DIRECT LABOR - PRODUCTIVE	\$ 29,221,595.01	\$ 15.52	\$ 15.94
DIRECT LABOR - PREMIUM	\$ 1,454,467.12	\$ 0.77	\$ 0.79
DIRECT LABOR - OTHER EMPLOYEE	\$ 1,356,262.39	\$ 0.72	\$ 0.74
DIRECT LABOR - ANNUAL PAID ABSENCE	\$ 4,340,668.73	\$ 2.31	\$ 2.37
DIRECT ADMINISTRATION	\$ 8,820,855.65	\$ 4.69	\$ 4.81
TOTAL DIRECT LABOR	\$ 45,193,848.90	\$ 24.01	\$ 24.65
DIRECT LABOR - OTHER COSTS	\$ 830,562.12	\$ 0.44	\$ 0.45
DIRECT LABOR - OTHER COSTS - BC	\$ -	\$ -	\$ -
OTHER TOOLS - SALARIES	\$ -	\$ -	\$ -
OTHER TOOLS - BENEFITS	\$ -	\$ -	\$ -
OTHER TOOLS - RENTS	\$ -	\$ -	\$ -
OTHER TOOLS - OTHER	\$ -	\$ -	\$ -
MOTOR VEHICLES - SALARIES	\$ 4,394.43	\$ 0.00	\$ 0.00
MOTOR VEHICLES - BENEFITS	\$ 1,441.18	\$ 0.00	\$ 0.00
MOTOR VEHICLES - RENTS	\$ 3,138.21	\$ 0.00	\$ 0.00
MOTOR VEHICLES - OTHER	\$ 20,770.03	\$ 0.01	\$ 0.01
BENEFITS	\$ 13,384,005.02	\$ 7.11	\$ 7.30
TOTAL DIRECTLY ASSIGNED	\$ 59,438,159.89	\$ 31.57	\$ 32.43
TOTAL CLASSIFIED PROD HOURS	1,882,565.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000269

FG10

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: LAND AND BUILDINGS (FG10)			
JFC: 30XX OR 0030 OR 350X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT ENG-PRODUCTIVE	\$5,416,377.00	\$30.82	\$31.65
DIRECT ENG-PREMIUM	\$5,636.00	\$0.03	\$0.03
DIRECT ENG-OTHER EMP	\$838,645.00	\$4.77	\$4.90
DIRECT ENG-ANN PD ABS	\$637,632.00	\$3.63	\$3.73
DIRECT ADMINISTRATION	\$1,240,520.00	\$7.06	\$7.25
TOTAL DIRECT LABOR	\$8,138,810.00	\$46.31	\$47.56
DIRECT ENG-OTHER COSTS	\$971,879.00	\$5.53	\$5.68
DIRECT ENG-OTHER-BC	\$0.00	\$0.00	\$0.00
BENEFITS	\$1,714,429.00	\$9.76	\$10.02
TOTAL DIRECTLY ASSIGNED	\$10,825,118.00	\$61.59	\$63.26
TOTAL CLASSIFIED HOURS	175,747.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000270

FG20

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: NETWORK AND ENGINEERING PLANNING (FG20)			
JFC: 0031 OR 0036 OR 31XX OR 34XX OR 3A0X OR 3A1 OR 3A2 OR 3B1X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT ENG-PRODUCTIVE	\$50,185,617.00	\$25.70	\$26.39
DIRECT ENG-PREMIUM	\$414,942.00	\$0.21	\$0.22
DIRECT ENG-OTHER EMP	\$7,480,794.00	\$3.83	\$3.93
DIRECT ENG-ANN PD ABS	\$6,813,944.00	\$3.49	\$3.58
DIRECT ADMINISTRATION	\$12,177,768.00	\$6.24	\$6.40
TOTAL DIRECT LABOR	\$77,073,065.00	\$39.46	\$40.53
DIRECT ENG-OTHER COSTS	\$6,912,226.00	\$3.54	\$3.63
DIRECT ENG-OTHER-BC	\$0.00	\$0.00	\$0.00
BENEFITS	\$16,849,312.00	\$8.63	\$8.86
TOTAL DIRECTLY ASSIGNED	\$100,834,603.00	\$51.63	\$53.03
TOTAL CLASSIFIED HOURS	1,952,963.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000271

PICS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: NETWORK PLUG-IN ADMINISTRATION (PICS)			
JFC: 3A2X OR 341X			
		1996	1997
		CLASSIFIED	CLASSIFIED
		HOURLY COST	HOURLY COST
COMPONENT	1996		
	DOLLARS**	(B/B23)	(C*B3)
DIRECT ENG-PRODUCTIVE	\$1,215,509.34	\$16.04	\$16.47
DIRECT ENG-PREMIUM	\$75,492.60	\$1.00	\$1.02
DIRECT ENG-OTHER EMP	\$130,531.31	\$1.72	\$1.77
DIRECT ENG-ANN PD ABS	\$197,718.23	\$2.61	\$2.68
DIRECT ADMINISTRATION	\$280,041.06	\$3.70	\$3.80
TOTAL DIRECT LABOR	\$1,899,292.55	\$25.07	\$25.74
DIRECT ENG-OTHER COSTS	\$114,813.13	\$1.52	\$1.56
DIRECT ENG-OTHER-BC	\$0.00	\$0.00	\$0.00
BENEFITS	\$558,821.89	\$7.37	\$7.57
TOTAL DIRECTLY ASSIGNED	\$2,572,927.57	\$33.96	\$34.87
TOTAL CLASSIFIED HOURS	75,773.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000272

FG30

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
FG/FSG: OUTSIDE PLANT ENGINEERING (FG30)			
JFC: 0032 OR 32XX OR 356X			
		1996	1997
		CLASSIFIED	CLASSIFIED
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT ENG-PRODUCTIVE	\$93,878,832.00	\$22.26	\$22.86
DIRECT ENG-PREMIUM	\$1,043,839.00	\$0.25	\$0.25
DIRECT ENG-OTHER EMP	\$11,466,632.00	\$2.72	\$2.79
DIRECT ENG-ANN PD ABS	15579213.00	\$4.77	\$4.90
DIRECT ADMINISTRATION	\$20,108,042.00	\$4.77	\$4.90
TOTAL DIRECT LABOR	\$142,076,558.00	\$33.69	\$34.60
DIRECT ENG-OTHER COSTS	\$7,089,252.00	\$1.68	\$1.73
DIRECT ENG-OTHER-BC	\$0.00	\$0.00	\$0.00
BENEFITS	\$36,693,327.00	\$8.70	\$8.94
TOTAL DIRECTLY ASSIGNED	\$185,859,137.00	\$44.07	\$45.26
TOTAL CLASSIFIED HOURS	4,216,929.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000273

CABS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: CARRIER ACCESS BILLING SYSTEM (CABS)			
JFC: 1200			
		1996	1997
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B23)</u>	<u>(C*B3)</u>
DIRECT LABOR-PRODUCTIVE	\$2,578,216.32	\$18.53	\$19.03
ADMINISTRATIVE CLERICAL	\$54,256.78	\$0.39	\$0.40
DIRECT ADMINISTRATION	\$354,419.33	\$2.55	\$2.62
DIRECT LABOR-PREMIUM	\$11,228.64	\$0.08	\$0.08
DIRECT LABOR-ANN PD ABS	\$260,831.07	\$1.87	\$1.93
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$394,241.92	\$2.83	\$2.91
TOTAL DIRECT LABOR	\$3,598,937.28	\$26.26	\$26.97
DIRECT LABOR-OTHER COST	\$42.00	\$0.00	\$0.00
BENEFITS	\$1,884,023.84	\$13.54	\$13.91
TOTAL DIRECTLY ASSIGNED	\$5,483,003.12	\$39.80	\$40.88
TOTAL HOURS	139,119.94		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000274

ICSC LCSC

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: CUSTOMER POINT OF CONTACT-ICSC/LCSC			
JFC: 2300			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$5,333,747.99	\$16.64	\$17.09
ADMINISTRATIVE CLERICAL	\$278,193.18	\$0.87	\$0.89
DIRECT ADMINISTRATION	\$1,093,135.54	\$3.41	\$3.50
DIRECT LABOR-PREMIUM	\$253,304.88	\$0.79	\$0.81
DIRECT LABOR-ANN PD ABS	\$738,210.57	\$2.30	\$2.37
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$208,883.61	\$0.65	\$0.67
TOTAL DIRECT LABOR	\$7,905,475.77	\$24.67	\$25.33
DIRECT LABOR-OTHER COST	\$5,656.50	\$0.02	\$0.02
BENEFITS	\$5,296,990.76	\$16.53	\$16.97
TOTAL DIRECTLY ASSIGNED	\$13,208,123.03	\$41.21	\$42.32
TOTAL HOURS	320,490.84		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000275

POTS OPER

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: OPERATOR SERVICES (POTS)			
JFC: 2120 OR 2129 OR 212G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$22,421,436.96	\$15.10	\$15.51
ADMINISTRATIVE CLERICAL	\$89,084.16	\$0.06	\$0.06
DIRECT ADMINISTRATION	\$2,311,589.80	\$1.56	\$1.60
DIRECT LABOR-PREMIUM	\$1,480,095.96	\$1.00	\$1.02
DIRECT LABOR-ANN PD ABS	\$3,853,768.12	\$2.60	\$2.67
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$4,240,278.89	\$2.86	\$2.93
TOTAL DIRECT LABOR	\$34,396,253.89	\$23.17	\$23.79
DIRECT LABOR-OTHER COST	\$65,749.81	\$0.04	\$0.05
BENEFITS	\$9,974,393.07	\$6.72	\$6.90
TOTAL DIRECTLY ASSIGNED	\$44,436,396.77	\$29.93	\$30.74
TOTAL HOURS	1,484,736.06		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000278

DIR ASST OPER

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: DIRECTORY ASSISTANCE			
JFC: 2940 OR 2949 OR 294G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$84,034,521.44	\$14.75	\$15.15
ADMINISTRATIVE CLERICAL	\$0.00	\$0.00	\$0.00
DIRECT ADMINISTRATION	\$5,250,054.66	\$0.92	\$0.95
DIRECT LABOR-PREMIUM	\$5,070,960.29	\$0.89	\$0.91
DIRECT LABOR-ANN PD ABS	\$13,024,914.19	\$2.29	\$2.35
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$10,163,335.16	\$1.78	\$1.83
TOTAL DIRECT LABOR	\$117,543,785.74	\$20.63	\$21.19
DIRECT LABOR-OTHER COST	\$144,712.98	\$0.03	\$0.03
BENEFITS	\$37,739,210.16	\$6.62	\$6.80
TOTAL DIRECTLY ASSIGNED	\$155,427,708.88	\$27.28	\$28.01
TOTAL HOURS	5,698,241.82		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000277

COIN COLL

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: COIN COLLECTOR			
JFC: 2600 OR 260G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$5,156,591.68	\$17.25	\$17.71
ADMINISTRATIVE CLERICAL	\$421,571.80	\$1.41	\$1.45
DIRECT ADMINISTRATION	\$846,133.46	\$2.83	\$2.91
DIRECT LABOR-PREMIUM	\$531,024.11	\$1.78	\$1.82
DIRECT LABOR-ANN PD ABS	\$691,612.21	\$2.31	\$2.38
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$200,455.45	\$0.67	\$0.69
TOTAL DIRECT LABOR	\$7,847,388.71	\$26.25	\$26.96
DIRECT LABOR-OTHER COST	\$1,165.50	\$0.00	\$0.00
BENEFITS	\$1,992,137.48	\$6.66	\$6.84
TOTAL DIRECTLY ASSIGNED	\$9,840,691.69	\$32.91	\$33.80
TOTAL HOURS	298,987.09		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000278

COLL REP-RES

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: COLLECTIONS REP-RESIDENCE			
JFC: 2E40 OR 2E4G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$40,225,062.20	\$16.67	\$17.12
ADMINISTRATIVE CLERICAL	\$3,235,351.80	\$1.34	\$1.38
DIRECT ADMINISTRATION	\$4,496,677.20	\$1.86	\$1.91
DIRECT LABOR-PREMIUM	\$1,756,578.39	\$0.73	\$0.75
DIRECT LABOR-ANN PD ABS	\$5,992,543.58	\$2.48	\$2.55
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$4,860,214.20	\$2.01	\$2.07
TOTAL DIRECT LABOR	\$60,566,427.37	\$25.09	\$25.77
DIRECT LABOR-OTHER COST	\$43,874.00	\$0.02	\$0.02
BENEFITS	\$17,668,267.79	\$7.32	\$7.52
TOTAL DIRECTLY ASSIGNED	\$78,278,569.16	\$32.43	\$33.31
TOTAL HOURS	2,413,700.12		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000279

COLL REP-BUS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: COLLECTIONS REP-BUSINESS			
JFC: 2840 OR 284G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$7,015,243.41	\$16.39	\$16.83
ADMINISTRATIVE CLERICAL	\$543,720.97	\$1.27	\$1.30
DIRECT ADMINISTRATION	\$986,201.16	\$2.30	\$2.37
DIRECT LABOR-PREMIUM	\$176,064.52	\$0.41	\$0.42
DIRECT LABOR-ANN PD ABS	\$1,029,902.37	\$2.41	\$2.47
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$699,420.43	\$1.63	\$1.68
TOTAL DIRECT LABOR	\$10,450,552.86	\$24.41	\$25.07
DIRECT LABOR-OTHER COST	\$5,811.00	\$0.01	\$0.01
BENEFITS	\$3,171,093.82	\$7.41	\$7.61
TOTAL DIRECTLY ASSIGNED	\$13,627,457.68	\$31.83	\$32.69
TOTAL HOURS	428,126.75		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000280

SVC REP-RES

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: SERVICE REP-RESIDENCE			
JFC: 2E50 OR 2570 OR 2E5G OR 2E7G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$134,733,682.37	\$17.70	\$18.18
ADMINISTRATIVE CLERICAL	\$11,114,002.82	\$1.46	\$1.50
DIRECT ADMINISTRATION	\$18,703,117.40	\$2.46	\$2.52
DIRECT LABOR-PREMIUM	\$8,515,830.49	\$1.12	\$1.15
DIRECT LABOR-ANN PD ABS	\$18,195,022.23	\$2.39	\$2.45
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$16,058,420.98	\$2.11	\$2.17
TOTAL DIRECT LABOR	\$207,320,076.29	\$27.23	\$27.97
DIRECT LABOR-OTHER COST	\$248,764.42	\$0.03	\$0.03
BENEFITS	\$56,282,318.30	\$7.39	\$7.59
TOTAL DIRECTLY ASSIGNED	\$263,851,159.01	\$34.66	\$35.60
TOTAL HOURS	7,612,330.70		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000281

SVC REP-BUS

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: SERVICE REP-BUSINESS			
JFC: 2850 OR 2870 OR 2880 OR 285G OR 287G OR 288G			
		1996	1997
	1996	HOURLY COST	HOURLY COST
<u>COMPONENT</u>	<u>DOLLARS**</u>	<u>(B/B23)</u>	<u>(C*B3)</u>
DIRECT LABOR-PRODUCTIVE	\$31,963,354.14	\$17.61	\$18.08
ADMINISTRATIVE CLERICAL	\$2,359,798.91	\$1.30	\$1.34
DIRECT ADMINISTRATION	\$5,420,291.69	\$2.99	\$3.07
DIRECT LABOR-PREMIUM	\$1,261,150.51	\$0.69	\$0.71
DIRECT LABOR-ANN PD ABS	\$4,905,651.67	\$2.70	\$2.78
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$2,623,952.83	\$1.45	\$1.48
TOTAL DIRECT LABOR	\$48,534,199.75	\$26.74	\$27.46
DIRECT LABOR-OTHER COST	\$26,123.50	\$0.01	\$0.01
BENEFITS	\$13,797,535.71	\$7.60	\$7.81
TOTAL DIRECTLY ASSIGNED	\$62,357,858.96	\$34.35	\$35.28
TOTAL HOURS	1,815,229.93		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000282

COMP CLER

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: COMPTROLLERS CLERICAL			
JFC: 1240 OR 1250 OR 1260 OR 1270			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$17,011,712.79	\$17.05	\$17.51
ADMINISTRATIVE CLERICAL	\$712,129.08	\$0.71	\$0.73
DIRECT ADMINISTRATION	\$1,545,230.42	\$1.55	\$1.59
DIRECT LABOR-PREMIUM	\$1,106,955.98	\$1.11	\$1.14
DIRECT LABOR-ANN PD ABS	\$1,715,562.33	\$1.72	\$1.77
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$2,611,722.54	\$2.62	\$2.69
TOTAL DIRECT LABOR	\$24,703,313.14	\$24.77	\$25.43
DIRECT LABOR-OTHER COST	\$1,921.50	\$0.00	\$0.00
BENEFITS	\$12,742,931.69	\$12.77	\$13.12
TOTAL DIRECTLY ASSIGNED	\$37,448,166.33	\$37.54	\$38.56
TOTAL HOURS	997,509.00		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000283

NTWK SVC CLER

A	B	C	D
INFLATION FACTOR:*	1.027		
STATE: REGION			
GROUP: NETWORK SERVICES CLERICAL			
JFC: 2700 OR 2730			
		1996	1997
	1996	HOURLY COST	HOURLY COST
COMPONENT	DOLLARS**	(B/B23)	(C*B3)
DIRECT LABOR-PRODUCTIVE	\$6,077,541.30	\$17.65	\$18.13
ADMINISTRATIVE CLERICAL	\$86,419.90	\$0.25	\$0.26
DIRECT ADMINISTRATION	\$1,188,266.84	\$3.45	\$3.54
DIRECT LABOR-PREMIUM	\$151,970.69	\$0.44	\$0.45
DIRECT LABOR-ANN PD ABS	\$664,828.85	\$1.93	\$1.98
TRAINING	\$0.00	\$0.00	\$0.00
DIRECT LABOR-OTHER EMP	\$973,896.24	\$2.83	\$2.91
TOTAL DIRECT LABOR	\$9,142,923.82	\$26.56	\$27.27
DIRECT LABOR-OTHER COST	\$2,648.07	\$0.01	\$0.01
BENEFITS	\$2,618,596.28	\$7.61	\$7.81
TOTAL DIRECTLY ASSIGNED	\$11,764,168.17	\$34.17	\$35.09
TOTAL HOURS	344,293.44		
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
**DATA EXTRACT FROM FINANCIAL PROCESSOR			

000284

DIRECTLY ASSIGNED LABOR RATES FOR ACCOUNT EXECUTIVE, SYSTEMS DESIGNER AND SERVICE CONSULTANT			
INFLATION FACTOR:*		1.027	
		1996	1997
ACCOUNT EXECUTIVE	HOURLY RATE		HOURLY RATE
			(B*B4)
DIRECT SALARIES AND WAGES	\$ 54.90	\$	56.38
OTHER DIRECT	\$ 12.88	\$	13.23
DIRECTLY ASSIGNED WITH SALES COMP	\$ 67.78	\$	69.61
DIRECT SALARIES AND WAGES	\$ 44.60	\$	45.80
OTHER DIRECT	\$ 10.46	\$	10.74
DIRECTLY ASSIGNED WITHOUT SALES COMP	\$ 55.06	\$	56.55
SYSTEMS DESIGNER			
DIRECT SALARIES AND WAGES	\$ 50.05	\$	51.40
OTHER DIRECT	\$ 11.74	\$	12.06
DIRECTLY ASSIGNED WITH SALES COMP	\$ 61.79	\$	63.46
DIRECT SALARIES AND WAGES	\$ 46.02	\$	47.26
OTHER DIRECT	\$ 10.79	\$	11.08
DIRECTLY ASSIGNED WITHOUT SALES COMP	\$ 56.81	\$	58.34
SERVICE CONSULTANT			
DIRECT SALARIES AND WAGES	\$ 33.49	\$	34.39
OTHER DIRECT	\$ 7.86	\$	8.07
DIRECTLY ASSIGNED	\$ 41.35	\$	42.47
*BELLSOUTH REGION TELEPHONE PLANT INDEXES			
SOURCE: FINANCE DEPARTMENT/BELLSOUTH BUSINESS SYSTEMS			

000285

TELRIC IT PB DETAIL

A	B	C	D	E	F	G	H
	1998 - 2000 TELRIC LABOR RATES						7-15-98
							1998 - 2000
							TELRIC
							LABOR
							RATES
							(F*G)
<u>BST IT</u>	<u>DIRECT</u>	<u>OTHER</u>	<u>SHARED</u>	<u>SHARED</u>	<u>LABOR</u>	<u>1998 - 2000</u>	
	<u>S&W*</u>	<u>DIRECT**</u>	<u>LABOR</u>	<u>COSTS</u>	<u>RATES</u>	<u>INFLATION</u>	
			<u>FACTOR***</u>	<u>(B*D)</u>	<u>(B+C+E)</u>	<u>FACTOR****</u>	
PAY BAND 54	\$ 25.95	\$ 10.46	0	\$ -	\$ 36.41	1.059854	\$ 38.59
PAY BAND 55	\$ 27.38	\$ 10.86	0	\$ -	\$ 38.24	1.059854	\$ 40.53
PAY BAND 56	\$ 31.46	\$ 11.97	0	\$ -	\$ 43.43	1.059854	\$ 46.03
PAY BAND 57	\$ 32.79	\$ 12.33	0	\$ -	\$ 45.12	1.059854	\$ 47.82
PAY BAND 58	\$ 36.22	\$ 13.26	0	\$ -	\$ 49.48	1.059854	\$ 52.44
PAY BAND 59	\$ 40.28	\$ 14.37	0	\$ -	\$ 54.65	1.059854	\$ 57.92
PAY BAND 60	\$ 45.18	\$ 15.71	0	\$ -	\$ 60.89	1.059854	\$ 64.53
PAY BAND 61	\$ 49.68	\$ 16.93	0	\$ -	\$ 66.61	1.059854	\$ 70.60
WAGE SCALE 10	\$ 23.33	\$ 9.75	0	\$ -	\$ 33.08	1.059854	\$ 35.06
WAGE SCALE 14	\$ 24.05	\$ 9.94	0	\$ -	\$ 33.99	1.059854	\$ 36.02
WAGE SCALE 16	\$ 24.53	\$ 10.08	0	\$ -	\$ 34.61	1.059854	\$ 36.68
WAGE SCALE 18	\$ 24.90	\$ 10.18	0	\$ -	\$ 35.08	1.059854	\$ 37.18
WAGE SCALE 32	\$ 29.76	\$ 11.50	0	\$ -	\$ 41.26	1.059854	\$ 43.73
*IT PAY BAND B6:B23							
**IT PAY BAND B24:B29							
***SHARED LABOR FACTOR B56							
**** INFL FACTOR E14							

000286

IT PAY BAND

BS IT	AREA: REGION	SOURCE: FINANCIAL MANAGEMENT/EXPENSE ACTUALS - BY EXTC DETAIL									
COMPONENT	PAY BAND 54	PAY BAND 55	PAY BAND 56	PAY BAND 57	PAY BAND 58	PAY BAND 59	PAY BAND 60	PAY BAND 61			
BASIC SALARIES	\$ 17.63	\$ 19.06	\$ 23.14	\$ 24.47	\$ 27.90	\$ 31.96	\$ 36.86	\$ 41.36			
CLERICAL WAGES	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87			
PREMIUM OT-MGMT	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23			
PREMIUM OT-NON-MGMT	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18			
PAID ABSENCE-MGMT	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47			
PAID ABSENCE-NON-MGMT	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53			
IND INCENT AWARD-MGMT	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90			
IND INCENT AWARD-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
INCENT PROT PLAN-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
INCENT PROT PLAN-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
MKT INC PAY-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
MKT INC PAY-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
TEAM INCENT AWARD-MGMT	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65			
TEAM INCENT AWARD-NON-MGMT	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11			
OTHER PLANS-MGMT	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13			
OTHER PLANS-NON-MGMT	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02			
ALL OTHER-MGMT	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16			
ALL OTHER-NON-MGMT	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07			
PENSIONS/BENEFITS	\$ 5.09	\$ 5.38	\$ 6.18	\$ 6.44	\$ 7.11	\$ 7.91	\$ 8.87	\$ 9.75			
TAXES	\$ 1.98	\$ 2.09	\$ 2.40	\$ 2.50	\$ 2.76	\$ 3.07	\$ 3.45	\$ 3.79			
CONFERENCE & TRAVEL	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11			
RELOCATION	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36			
SUPPLIES	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27			
OTHER DIRECT	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65			
DIRECTLY ASSIGNED	\$ 36.41	\$ 38.24	\$ 43.43	\$ 45.12	\$ 49.48	\$ 54.65	\$ 60.89	\$ 66.61			

000287

IT PAY BAND

BST IT		SOURCE: FINANCIAL MANAGEMENT/EXPENSE ACTUALS - BY EXTC DETAIL					
AREA: REGION		WAGE SCALE 10	WAGE SCALE 14	WAGE SCALE 16	WAGE SCALE 18	WAGE SCALE 32	
COMPONENT							
BASIC SALARIES	\$	15.01	\$ 15.73	\$ 16.21	\$ 16.58	\$ 21.44	
CLERICAL WAGES	\$	3.87	\$ 3.87	\$ 3.87	\$ 3.87	\$ 3.87	
PREMIUM OT-MGMT	\$	0.23	\$ 0.23	\$ 0.23	\$ 0.23	\$ 0.23	
PREMIUM OT-NON-MGMT	\$	0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	
PAID ABSENCE-MGMT	\$	0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	
PAID ABSENCE-NON-MGMT	\$	0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	
IND INCENT AWARD-MGMT	\$	0.90	\$ 0.90	\$ 0.90	\$ 0.90	\$ 0.90	
IND INCENT AWARD-NON-MGMT	\$	-	\$ -	\$ -	\$ -	\$ -	
INCENT PROT PLAN-MGMT	\$	-	\$ -	\$ -	\$ -	\$ -	
INCENT PROT PLAN-NON-MGMT	\$	-	\$ -	\$ -	\$ -	\$ -	
MKT INC PAY-MGMT	\$	-	\$ -	\$ -	\$ -	\$ -	
MKT INC PAY-NON-MGMT	\$	-	\$ -	\$ -	\$ -	\$ -	
TEAM INCENT AWARD-MGMT	\$	1.65	\$ 1.65	\$ 1.65	\$ 1.65	\$ 1.65	
TEAM INCENT AWARD-NON-MGMT	\$	0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	
OTHER PLANS-MGMT	\$	0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	
OTHER PLANS-NON-MGMT	\$	0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	
ALL OTHER-MGMT	\$	0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	
ALL OTHER-NON-MGMT	\$	0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	
PENSIONS/BENEFITS	\$	4.58	\$ 4.72	\$ 4.82	\$ 4.89	\$ 5.84	
TAXES	\$	1.78	\$ 1.83	\$ 1.87	\$ 1.90	\$ 2.27	
CONFERENCE & TRAVEL	\$	1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	
RELOCATION	\$	0.36	\$ 0.36	\$ 0.36	\$ 0.36	\$ 0.36	
SUPPLIES	\$	1.27	\$ 1.27	\$ 1.27	\$ 1.27	\$ 1.27	
OTHER DIRECT	\$	0.65	\$ 0.65	\$ 0.65	\$ 0.65	\$ 0.65	
DIRECTLY ASSIGNED	\$	33.08	\$ 33.99	\$ 34.61	\$ 35.08	\$ 41.26	

000288

TELRIC MKTG PB DETAIL

A	B	C	D	E	F	G	H
	1998 - 2000 TELRIC LABOR RATES						7-15-98
							1998 - 2000
							TELRIC
							LABOR
							RATES
							(F*G)
BST MARKETING	DIRECT	OTHER	SHARED	SHARED	LABOR	1998 - 2000	
	S&W*	DIRECT**	LABOR	COSTS	RATES	INFLATION	
			FACTOR***	(B*D)	(B+C+E)	FACTOR****	
PAY BAND 56	\$ 28.50	\$ 12.34	0	\$ -	\$ 40.84	1.059854	\$ 43.28
PAY BAND 57	\$ 29.83	\$ 12.70	0	\$ -	\$ 42.53	1.059854	\$ 45.08
PAY BAND 58	\$ 33.26	\$ 13.34	0	\$ -	\$ 46.60	1.059854	\$ 49.39
PAY BAND 59	\$ 37.32	\$ 14.73	0	\$ -	\$ 52.05	1.059854	\$ 55.17
PAY BAND 61	\$ 46.72	\$ 17.30	0	\$ -	\$ 64.02	1.059854	\$ 67.85
WAGE SCALE 10	\$ 20.37	\$ 10.12	0	\$ -	\$ 30.49	1.059854	\$ 32.31
*MARKETING PAY BAND B6:B23							
**MARKETING PAY BAND B24:B29							
***SHARED LABOR FACTOR B56							
**** INFL FACTOR E14							

000289

MARKETING PAY BAND

BST MARKETING AREA: REGION	SOURCE: FINANCIAL MANAGEMENT/EXPENSE ACTUALS - BY EXTC DETAIL									
COMPONENT	PAY BAND 56	PAY BAND 57	PAY BAND 58	PAY BAND 59	PAY BAND 61	WAGE SCALE 10				
BASIC SALARIES	\$ 23.14	\$ 24.47	\$ 27.90	\$ 31.96	\$ 41.36	\$ 15.01				
CLERICAL WAGES	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72				
PREMIUM OT-MGMT	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02				
PREMIUM OT-NON-MGMT	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03				
PAID ABSENCE-MGMT	\$ 0.45	\$ 0.45	\$ 0.45	\$ 0.45	\$ 0.45	\$ 0.45				
PAID ABSENCE-NON-MGMT	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20				
IND INCENT AWARD-MGMT	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88				
IND INCENT AWARD-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
INCENT PROT PLAN-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
INCENT PROT PLAN-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
MKT INC PAY-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
MKT INC PAY-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
TEAM INCENT AWARD-MGMT	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72	\$ 1.72				
TEAM INCENT AWARD-NON-MGMT	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05				
OTHER PLANS-MGMT	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10				
OTHER PLANS-NON-MGMT	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01				
ALL OTHER-MGMT	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16				
ALL OTHER-NON-MGMT	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02				
PENSIONS/BENEFITS	\$ 5.59	\$ 5.85	\$ 6.23	\$ 7.31	\$ 9.16	\$ 3.99				
TAXES	\$ 2.17	\$ 2.27	\$ 2.53	\$ 2.84	\$ 3.56	\$ 1.55				
CONFERENCE & TRAVEL	\$ 2.43	\$ 2.43	\$ 2.43	\$ 2.43	\$ 2.43	\$ 2.43				
RELOCATION	\$ 0.37	\$ 0.37	\$ 0.37	\$ 0.37	\$ 0.37	\$ 0.37				
SUPPLIES	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89				
OTHER DIRECT	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89	\$ 0.89				
DIRECTLY ASSIGNED	\$ 40.84	\$ 42.53	\$ 46.60	\$ 52.05	\$ 64.02	\$ 30.49				

000290

000291

Laborate.xls

NETWORK PAY BAND

BST NETWORK						
AREA: REGION						
SOURCE: FINANCIAL MANAGEMENT/EXPENSE ACTUALS - BY EXTC DETAIL						
COMPONENT	PAY BAND 56	PAY BAND 57	PAY BAND 58	PAY BAND 59	PAY BAND 61	WAGE SCALE 10
BASIC SALARIES	\$ 23.14	\$ 24.47	\$ 27.90	\$ 31.96	\$ 41.36	\$ 15.01
CLERICAL WAGES	\$ 1.59	\$ 1.59	\$ 1.59	\$ 1.59	\$ 1.59	\$ 1.59
PREMIUM OT-MGMT	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01
PREMIUM OT-NON-MGMT	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01
PAID ABSENCE-MGMT	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53	\$ 0.53
PAID ABSENCE-NON-MGMT	\$ 0.17	\$ 0.17	\$ 0.17	\$ 0.17	\$ 0.17	\$ 0.17
IND INCENT AWARD-MGMT	\$ 1.16	\$ 1.16	\$ 1.16	\$ 1.16	\$ 1.16	\$ 1.16
IND INCENT AWARD-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INCENT PROT PLAN-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INCENT PROT PLAN-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MKT INC PAY-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MKT INC PAY-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TEAM INCENT AWARD-MGMT	\$ 1.86	\$ 1.86	\$ 1.86	\$ 1.86	\$ 1.86	\$ 1.86
TEAM INCENT AWARD-NON-MGMT	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05
OTHER PLANS-MGMT	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
OTHER PLANS-NON-MGMT	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01
ALL OTHER-MGMT	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02
ALL OTHER-NON-MGMT	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05
PENSIONS/BENEFITS	\$ 5.60	\$ 5.86	\$ 6.53	\$ 7.32	\$ 9.15	\$ 4.02
TAXES	\$ 2.17	\$ 2.27	\$ 2.53	\$ 2.84	\$ 3.55	\$ 1.56
CONFERENCE & TRAVEL	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91
RELOCATION	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SUPPLIES	\$ 0.61	\$ 0.61	\$ 0.61	\$ 0.61	\$ 0.61	\$ 0.61
OTHER DIRECT	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
DIRECTLY ASSIGNED	\$ 41.42	\$ 43.11	\$ 47.47	\$ 52.63	\$ 64.57	\$ 31.10

000292

TELRIC FINANCE PB DETAIL

A	B	C	D	E	F	G	H
	1998 - 2000 TELRIC LABOR RATES						7-15-98
							1998 - 2000
							TELRIC
							LABOR
							RATES
							(F*G)
BST FINANCE/REGULATORY	DIRECT	OTHER	SHARED	SHARED	LABOR	1998 - 2000	
	S&W*	DIRECT**	LABOR	COSTS	RATES	INFLATION	
			FACTOR***	(B*D)	(B+C+E)	FACTOR****	
PAY BAND 56	\$ 29.13	\$ 10.23	0	\$ -	\$ 39.36	1.059854	\$ 41.72
PAY BAND 57	\$ 30.46	\$ 10.58	0	\$ -	\$ 41.04	1.059854	\$ 43.50
PAY BAND 58	\$ 33.89	\$ 11.51	0	\$ -	\$ 45.40	1.059854	\$ 48.12
PAY BAND 59	\$ 37.95	\$ 12.61	0	\$ -	\$ 50.56	1.059854	\$ 53.59
PAY BAND 61	\$ 47.35	\$ 15.15	0	\$ -	\$ 62.50	1.059854	\$ 66.24
WAGE SCALE 10	\$ 21.00	\$ 8.04	0	\$ -	\$ 29.04	1.059854	\$ 30.78
WAGE SCALE 16	\$ 22.20	\$ 8.36	0	\$ -	\$ 30.56	1.059854	\$ 32.39
*FINANCE PAY BAND B6:B23							
**FINANCE PAY BAND B24:B29							
***SHARED LABOR FACTOR B56							
**** INFL FACTOR E14							

000293

FINANCE PAY BAND

BST FINANCE/REGULATORY AREA: REGION	SOURCE: FINANCIAL MANAGEMENT/EXPENSE ACTUALS - BY EXTC DETAIL									
COMPONENT	PAY BAND 56	PAY BAND 57	PAY BAND 58	PAY BAND 59	PAY BAND 61	WAGE SCALE 10	WAGE SCALE 16			
BASIC SALARIES	\$ 23.14	\$ 24.47	\$ 27.90	\$ 31.96	\$ 41.36	\$ 15.01	\$ 16.21			
CLERICAL WAGES	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18	\$ 2.18			
PREMIUM OT-MGMT	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06			
PREMIUM OT-NON-MGMT	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01			
PAID ABSENCE-MGMT	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47	\$ 0.47			
PAID ABSENCE-NON-MGMT	\$ 0.28	\$ 0.28	\$ 0.28	\$ 0.28	\$ 0.28	\$ 0.28	\$ 0.28			
IND INCENT AWARD-MGMT	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84			
IND INCENT AWARD-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
INCENT PROT PLAN-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
INCENT PROT PLAN-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
MKT INC PAY-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
MKT INC PAY-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
TEAM INCENT AWARD-MGMT	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75			
TEAM INCENT AWARD-NON-MGMT	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06			
OTHER PLANS-MGMT	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11			
OTHER PLANS-NON-MGMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
ALL OTHER-MGMT	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20			
ALL OTHER-NON-MGMT	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03			
PENSIONS/BENEFITS	\$ 5.67	\$ 5.92	\$ 6.59	\$ 7.38	\$ 9.21	\$ 4.09	\$ 4.32			
TAXES	\$ 2.20	\$ 2.30	\$ 2.56	\$ 2.87	\$ 3.58	\$ 1.59	\$ 1.68			
CONFERENCE & TRAVEL	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11			
RELOCATION	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10			
SUPPLIES	\$ 0.46	\$ 0.46	\$ 0.46	\$ 0.46	\$ 0.46	\$ 0.46	\$ 0.46			
OTHER DIRECT	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69			
DIRECTLY ASSIGNED	\$ 39.36	\$ 41.04	\$ 45.40	\$ 50.56	\$ 62.50	\$ 29.04	\$ 30.56			

000234

SECURITY ACAC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
ACAC	HOURLY RATE	REFERENCE
BASIC		
DIRECT S&W	\$ 27.87	ACAC D19
LESS PREMIUM	\$ 1.15	ACAC D15
DIRECT S&W LESS PREM	\$ 26.72	
SHARED COST	\$ -	B11*SHARED LABOR FACTOR B22
OTHER DIRECT	\$ 8.27	ACAC D31-ACAC D19
BASIC LESS PREMIUM	\$ 34.99	
TOTAL 1998 - 2000 TELRIC	\$ 37.09	B14*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECT S&W	\$ 27.87	ACAC D19
LESS PREMIUM	\$ 1.15	ACAC D15
DIRECT S&W LESS PREM	\$ 26.72	
1/2 PROD LABOR	\$ 9.34	ACAC D14/2
SHARED COST	\$ -	B21+B22*SHARED LABOR FACTOR B22
OTHER DIRECT	\$ 8.27	ACAC D31-ACAC D19
OT LESS PREM + 1/2 PROD	\$ 44.33	
TOTAL 1998 - 2000 TELRIC	\$ 46.99	B25*INFL FACTOR E14
PREMIUM (2X)		
DIRECT S&W	\$ 27.87	ACAC D19
LESS PREMIUM	\$ 1.15	ACAC D15
DIRECT S&W LESS PREM	\$ 26.72	
1X PROD LABOR	\$ 18.68	ACAC D14
SHARED COST	\$ -	B32+B33*SHARED LABOR FACTOR B22
OTHER DIRECT	\$ 8.27	ACAC D31-ACAC D19
PREM LESS PREM + 1X PROD	\$ 53.67	
TOTAL 1998 - 2000 TELRIC	\$ 56.88	B25*INFL FACTOR E14

000295

SECURITY COIM-CIR FAC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
COIM - CIR & FAC	HOURLY RATE	REFERENCE
BASIC		
DIRECT S&W	\$ 28.75	COIM-CIR&FAC D19+D22+D26
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DIRECT S&W LESS PREM	\$ 27.21	
SHARED COST	\$ -	B11*SHARED LABOR FACTOR B14
OTHER DIRECT	\$ 11.70	COIM-CIR&FAC D31-D19-D22-D26
BASIC LESS PREMIUM	\$ 38.91	
TOTAL 1998 - 2000 TELRIC	\$ 41.24	B14*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECT S&W	\$ 28.75	COIM-CIR&FAC D19+D22+D26
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DIRECT S&W LESS PREM	\$ 27.21	
1/2 PROD LABOR	\$ 10.21	COIM-CIR&FAC D14/2
SHARED COST	\$ -	B21+B22*SHARED LABOR FACTOR B14
OTHER DIRECT	\$ 11.70	COIM-CIR&FAC D31-D19-D22-D26
OT LESS PREM + 1/2 PROD	\$ 49.12	
TOTAL 1998 - 2000 TELRIC	\$ 52.06	B25*INFL FACTOR E14
PREMIUM (2X)		
DIRECT S&W	\$ 28.75	COIM-CIR&FAC D19+D22+D26
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DIRECT S&W LESS PREM	\$ 27.21	
1X PROD LABOR	\$ 20.42	COIM-CIR&FAC D14
SHARED COST	\$ -	B32+B33*SHARED LABOR FACTOR B14
OTHER DIRECT	\$ 11.70	COIM-CIR&FAC D31-D19-D22-D26
PREM LESS PREM + 1X PROD	\$ 59.33	
TOTAL 1998 - 2000 TELRIC	\$ 62.88	B36*INFL FACTOR E14

000296

SECURITY ICSC LCSC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
<u>ICSC/LCSC</u>	<u>HOURLY RATE</u>	<u>REFERENCE</u>
BASIC		
DIRECT S&W	\$ 25.33	ICSC LCSC D19
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DIRECT S&W LESS PREM	\$ 24.52	
SHARED COST	\$ -	B11*SHARED LABOR FACTOR B38
OTHER DIRECT	\$ 16.99	ICSC LCSC D22-D19
BASIC LESS PREMIUM	\$ 41.51	
TOTAL 1998 - 2000 TELRIC	\$ 44.00	B14*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECT S&W	\$ 25.33	ICSC LCSC D19
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DIRECT S&W LESS PREM	\$ 24.52	
1/2 PROD LABOR	\$ 8.55	ICSC LCSC D12/2
SHARED COST	\$ -	B21+B22*SHARED LABOR FACTOR B38
OTHER DIRECT	\$ 16.99	ICSC LCSC D22-D19
OT LESS PREM + 1/2 PROD	\$ 50.06	
TOTAL 1998 - 2000 TELRIC	\$ 53.06	B25*INFL FACTOR E14
PREMIUM (2X)		
DIRECT S&W	\$ 25.33	ICSC LCSC D19
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DIRECT S&W LESS PREM	\$ 24.52	
1X PROD LABOR	\$ 17.09	ICSC LCSC D12
SHARED COST	\$ -	B32+B33*SHARED LABOR FACTOR B38
OTHER DIRECT	\$ 16.99	ICSC LCSC D22-D19
PREM LESS PREM + 1X PROD	\$ 58.60	
TOTAL 1998 - 2000 TELRIC	\$ 62.11	B36*INFL FACTOR E14

000297

DIR ASSG DETAIL

A	B	C	D	E	F
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES					
PLANT WORK CENTERS	JFC	DIRECTLY ASSIGNED	COLUMN C REFERENCE	1998 - 2000 INFLATION FACTOR*	DIRECTLY ASSIGNED LABOR RATE (C'E)
ADDRESS & FACILITY INVENTORY (AFIG)	400X 4M1X	\$ 31.98	AFIG D31	1.059854	\$ 33.90
INSTALL & MTCE - POTS	410X	\$ 38.68	I&M POTS D31	1.059854	\$ 41.00
INSTALL & MTCE - SPEC SVCS (SSIM)	411X	\$ 41.94	SSIM D31	1.059854	\$ 44.45
OUTSIDE PLANT CONSTRUCTION (OSPC)	420X 421X	\$ 42.51	OSPC D31	1.059854	\$ 45.05
OUTSIDE PLANT ADMIN CENTER (OPAC)	424X	\$ 32.46	OPAC D31	1.059854	\$ 34.41
CABLE REPAIR TECHNICIAN (CRT)	422X 423X 425X 426X	\$ 44.31	CRT D31	1.059854	\$ 46.96
CO INSTALL & MTCE FIELD - SWITCH EQUIP	430X	\$ 42.35	COIM-SW EQ D31	1.059854	\$ 44.88
CO INSTALL & MTCE FIELD - CIRCUIT & FAC	431X	\$ 40.46	COIM-CIR&FAC D31	1.059854	\$ 42.88
RECENT CHANGE LINE TRANSLATIONS (RCMAG)	4321 4N1X	\$ 36.66	RCMAG D31	1.059854	\$ 38.86
SWITCH & TRUNK BASED TRANSLATIONS	4320 4N2X	\$ 42.78	TRANSLATIONS D31	1.059854	\$ 45.34
CO INSTALL, MTCE & ADMIN - SOFTWARE	4322 4323 4324	\$ 46.68	SOFTWARE D31	1.059854	\$ 49.48
TRUNK & CARRIER GROUP (TCG)	4331 4342 473X 4N5X	\$ 41.09	TCG D31	1.059854	\$ 43.55
NETWORK RELIABILITY CENTER (NRC)	4330 4341 4LXX	\$ 35.66	NRC D31	1.059854	\$ 37.80
PROACTIVE ANALYSIS & REPAIR CTR (PAR)	4332 4PXX	\$ 33.75	PAR D31	1.059854	\$ 35.77
CIRCUIT PROVISIONING GROUP (CPG)	470X 4N4X	\$ 34.97	CPG D31	1.059854	\$ 37.06
ACCESS CUSTOMER ADVOCATE CENTER (ACAC)	471X 4AXX	\$ 36.14	ACAC D31	1.059854	\$ 38.31
EQUIPMENT BILLING ACCURACY CONT (EBAC)	472X 4N3X	\$ 36.39	EBAC D31	1.059854	\$ 38.56
BUSINESS REPAIR CENTER (BRC)	4BXX	\$ 36.90	BRC D31	1.059854	\$ 39.11
RESIDENCE REPAIR CENTER (RRC)	4RXX	\$ 32.92	RRC D31	1.059854	\$ 34.89
WORK MANAGEMENT CENTER (WMC)	4WXX 401X	\$ 32.43	WMC D31	1.059854	\$ 34.37
* INFL FACTOR E14					
ENGINEERING FORCE GROUPS	JFC	DIRECTLY ASSIGNED	COLUMN C REFERENCE	1998 - 2000 INFLATION FACTOR*	DIRECTLY ASSIGNED LABOR RATE (C'E)
LAND AND BUILDINGS (FG10)	30XX 350X	\$ 63.26	FG10 D22	1.059854	\$ 67.04
NETWORK & ENGINEERING PLANNING (FG20)	31XX 34XX 3AXX 3BXX	\$ 53.03	FG20 D22	1.059854	\$ 56.20
NETWORK PLUG-IN ADMINISTRATION (PICS)	341X 3A2X	\$ 34.87	PICS D22	1.059854	\$ 36.96
OUTSIDE PLANT ENGINEERING (FG30)	32XX 356X	\$ 45.26	FG30 D22	1.059854	\$ 47.97
* INFL FACTOR E26					

000298

DIR ASSG DETAIL

A	B	C	D	E	F
		DIRECTLY ASSIGNED	COLUMN C REFERENCE	1998 - 2000 INFLATION FACTOR*	1998 - 2000 DIRECTLY ASSIGNED LABOR RATE (C*E)
<u>COST GROUPS</u>	<u>JFC</u>				
CABS ACCOUNTING	1200	\$ 40.88	CABS D22	1.059854	\$ 43.32
CUSTOMER POINT OF CONTACT - ICSC/SCS	2300	\$ 42.32	ICSC LCSC D22	1.059854	\$ 44.86
POTS OPERATOR	2120	\$ 30.74	POTS OPER D22	1.059854	\$ 32.58
DIRECTORY ASSISTANCE OPERATOR	2940	\$ 28.01	DIR ASST OPER D22	1.059854	\$ 29.69
COIN COLLECTOR	2600	\$ 33.80	COIN COLL D22	1.059854	\$ 35.83
COLLECTIONS REP - RESIDENCE	2E40	\$ 33.31	COLL REP-RES D22	1.059854	\$ 35.30
COLLECTIONS REP - BUSINESS	2840	\$ 32.69	COLL REP-BUS D22	1.059854	\$ 34.65
BUS OFC SVC REP - RESIDENCE	2E50 2E70	\$ 35.60	SVC REP-RES D22	1.059854	\$ 37.73
BUS OFC SVC REP - BUSINESS	2850 2870	\$ 35.28	SVC REP-BUS D22	1.059854	\$ 37.39
COMPTROLLERS CLERICAL	1240 1250 1260 1270	\$ 38.56	COMP CLER D22	1.059854	\$ 40.86
NETWORK SERVICES CLERICAL	2700 2730	\$ 35.09	NTWK SVC CLER D22	1.059854	\$ 37.19
ACCOUNT EXECUTIVE	NOT APPLICABLE				
WITH SALES COMPENSATION		\$ 69.61	AE SD SC B8	1.059854	\$ 73.78
WITHOUT SALES COMPENSATION		\$ 56.55	AE SD SC B12	1.059854	\$ 59.93
SYSTEMS DESIGNER	NOT APPLICABLE				
WITH SALES COMPENSATION		\$ 63.46	AE SD SC B18	1.059854	\$ 67.26
WITHOUT SALES COMPENSATION		\$ 58.34	AE SD SC B22	1.059854	\$ 61.84
SERVICE CONSULTANT	NOT APPLICABLE	\$ 42.47	AE SD SC B28	1.059854	\$ 45.01
* INFL FACTOR E14					

000299

DIR ASSG IT PB DETAIL

A	B	C	D	E
	1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			7-15-98
				1998 - 2000 DIRECTLY ASSIGNED (B*D)
<u>BST IT</u>	<u>HOURLY RATE</u>	<u>COLUMN B REFERENCE</u>	<u>1998 - 2000 INFLATION FACTOR*</u>	
PAY BAND 54	\$ 36.41	TELRIC IT PB DETAIL B11+C11	1.059854	\$ 38.59
PAY BAND 55	\$ 38.24	TELRIC IT PB DETAIL B12+C12	1.059854	\$ 40.53
PAY BAND 56	\$ 43.43	TELRIC IT PB DETAIL B13+C13	1.059854	\$ 46.03
PAY BAND 57	\$ 45.12	TELRIC IT PB DETAIL B14+C14	1.059854	\$ 47.82
PAY BAND 58	\$ 49.48	TELRIC IT PB DETAIL B15+C15	1.059854	\$ 52.44
PAY BAND 59	\$ 54.65	TELRIC IT PB DETAIL B16+C16	1.059854	\$ 57.92
PAY BAND 60	\$ 60.89	TELRIC IT PB DETAIL B17+C17	1.059854	\$ 64.53
PAY BAND 61	\$ 66.61	TELRIC IT PB DETAIL B18+C18	1.059854	\$ 70.60
WAGE SCALE 10	\$ 33.08	TELRIC IT PB DETAIL B19+C19	1.059854	\$ 35.06
WAGE SCALE 14	\$ 33.99	TELRIC IT PB DETAIL B20+C20	1.059854	\$ 36.02
WAGE SCALE 16	\$ 34.61	TELRIC IT PB DETAIL B21+C21	1.059854	\$ 36.68
WAGE SCALE 18	\$ 35.08	TELRIC IT PB DETAIL B22+C22	1.059854	\$ 37.18
WAGE SCALE 32	\$ 41.26	TELRIC IT PB DETAIL B23+C23	1.059854	\$ 43.73
* INFL FACTOR E14				

000300

DIR ASSG MKTG PB DETAIL

A	B	C	D	E
	1998 - 2000 DIRECTLY ASSIGNED LABOR RATES			7-15-98
				1998 - 2000 DIRECTLY ASSIGNED
			1998 - 2000 INFLATION FACTOR*	(B*D)
<u>BST MARKETING</u>	<u>HOURLY RATE</u>	<u>COLUMN B REFERENCE</u>		
PAY BAND 56	\$ 40.84	TELRIC MKTG PB DETAIL B11+C11	1.059854	\$ 43.28
PAY BAND 57	\$ 42.53	TELRIC MKTG PB DETAIL B12+C12	1.059854	\$ 45.08
PAY BAND 58	\$ 46.60	TELRIC MKTG PB DETAIL B13+C13	1.059854	\$ 49.39
PAY BAND 59	\$ 52.05	TELRIC MKTG PB DETAIL B14+C14	1.059854	\$ 55.17
PAY BAND 61	\$ 64.02	TELRIC MKTG PB DETAIL B15+C15	1.059854	\$ 67.85
WAGE SCALE 10	\$ 30.49	TELRIC MKTG PB DETAIL B16+C16	1.059854	\$ 32.31
* INFL FACTOR E14				

000301

DIR ASSG NTKW PB DETAIL

A	B	C	D	E
				7-15-98
		1998 - 2000 DIRECTLY ASSIGNED LABOR RATES		
				1998 - 2000 DIRECTLY ASSIGNED (B*D)
			1998 - 2000 INFLATION FACTOR*	
BST NETWORK	HOURLY RATE	COLUMN B REFERENCE		
PAY BAND 56	\$ 41.42	TELRIC NTKW PB DETAIL B11+C11	1.059854	\$ 43.90
PAY BAND 57	\$ 43.11	TELRIC NTKW PB DETAIL B12+C12	1.059854	\$ 45.69
PAY BAND 58	\$ 47.47	TELRIC NTKW PB DETAIL B13+C13	1.059854	\$ 50.31
PAY BAND 59	\$ 52.63	TELRIC NTKW PB DETAIL B14+C14	1.059854	\$ 55.78
PAY BAND 61	\$ 64.57	TELRIC NTKW PB DETAIL B15+C15	1.059854	\$ 68.43
WAGE SCALE 10	\$ 31.10	TELRIC NTKW PB DETAIL B16+C16	1.059854	\$ 32.96
* INFL FACTOR E14				

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DIR ASSG FIN PB DETAIL

A	B	C	D	E
1998 - 2000 DIRECTLY ASSIGNED LABOR RATES				
				7-15-98
				1998 - 2000
			1998 - 2000	DIRECTLY
			INFLATION	ASSIGNED
			FACTOR*	(B*D)
BST FINANCE/REGULATORY	HOURLY RATE	COLUMN B REFERENCE		
PAY BAND 56	\$ 39.36	TELRIC FINANCE PB DETAIL B11+C11	1.059854	\$ 41.72
PAY BAND 57	\$ 41.04	TELRIC FINANCE PB DETAIL B12+C12	1.059854	\$ 43.50
PAY BAND 58	\$ 45.40	TELRIC FINANCE PB DETAIL B13+C13	1.059854	\$ 48.12
PAY BAND 59	\$ 50.56	TELRIC FINANCE PB DETAIL B14+C14	1.059854	\$ 53.59
PAY BAND 61	\$ 62.50	TELRIC FINANCE PB DETAIL B15+C15	1.059854	\$ 66.24
WAGE SCALE 10	\$ 29.04	TELRIC FINANCE PB DETAIL B16+C16	1.059854	\$ 30.78
WAGE SCALE 16	\$ 30.56	TELRIC FINANCE PB DETAIL B17+C17	1.059854	\$ 32.39
* INFL FACTOR E14				

SECURITY DIR ASSG ACAC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
ACAC	HOURLY RATE	REFERENCE
BASIC		
DIRECTLY ASSIGNED	\$ 36.14	ACAC D31
LESS PREMIUM	\$ 1.15	ACAC D15
DA LESS PREM	\$ 34.99	
TOTAL 1998 - 2000 DA	\$ 37.09	B11*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECTLY ASSIGNED	\$ 36.14	ACAC D31
LESS PREMIUM	\$ 1.15	ACAC D15
DA LESS PREM	\$ 34.99	
1/2 PROD LABOR	\$ 9.34	ACAC D14/2
DA LESS PREM +1/2 PROD	\$ 44.33	
TOTAL 1998 - 2000 DA	\$ 46.99	B20*INFL FACTOR E14
PREMIUM (2X)		
DIRECTLY ASSIGNED	\$ 36.14	ACAC D31
LESS PREMIUM	\$ 1.15	ACAC D15
DA LESS PREM	\$ 34.99	
1X PROD LABOR	\$ 18.68	ACAC D14
DA LESS PREM + 1X PROD	\$ 53.67	
TOTAL 1998 - 2000 DA	\$ 56.88	B29*INFL FACTOR E14

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SECURITY DIR ASSG COIM-CIR FAC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
<u>COIM - CIR&FAC</u>	<u>HOURLY RATE</u>	<u>REFERENCE</u>
BASIC		
DIRECTLY ASSIGNED	\$ 40.46	COIM-CIR&FAC D31
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DA LESS PREM	\$ 38.91	
TOTAL 1998 - 2000 DA	\$ 41.24	B11*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECTLY ASSIGNED	\$ 40.46	COIM-CIR&FAC D31
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DA LESS PREM	\$ 38.91	
1/2 PROD LABOR	\$ 10.21	COIM-CIR&FAC D14/2
DA LESS PREM +1/2 PROD	\$ 49.12	
TOTAL 1998 - 2000 DA	\$ 52.06	B20*INFL FACTOR E14
PREMIUM (2X)		
DIRECTLY ASSIGNED	\$ 40.46	COIM-CIR&FAC D31
LESS PREMIUM	\$ 1.54	COIM-CIR&FAC D15
DA LESS PREM	\$ 38.91	
1X PROD LABOR	\$ 20.42	COIM-CIR&FAC D14
DA LESS PREM + 1X PROD	\$ 59.33	
TOTAL 1998 - 2000 DA	\$ 62.88	B29*INFL FACTOR E14

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SECURITY DIR ASSG ICSC LCSC

A	B	C
SECURITY ESCORT		7-15-98
1998 - 2000 DIRECTLY ASSIGNED - BASIC, OVERTIME, PREMIUM		
<u>ICSC/LCSC</u>	<u>HOURLY RATE</u>	<u>REFERENCE</u>
BASIC		
DIRECTLY ASSIGNED	\$ 42.32	ICSC LCSC D22
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DA LESS PREM	\$ 41.51	
TOTAL 1998 - 2000 DA	\$ 44.00	B11*INFL FACTOR E14
OVERTIME (1 1/2)		
DIRECTLY ASSIGNED	\$ 42.32	ICSC LCSC D22
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DA LESS PREM	\$ 41.51	
1/2 PROD LABOR	\$ 8.55	ICSC LCSC D12/2
DA LESS PREM +1/2 PROD	\$ 50.06	
TOTAL 1998 - 2000 DA	\$ 53.06	B20*INFL FACTOR E14
PREMIUM (2X)		
DIRECTLY ASSIGNED	\$ 42.32	ICSC LCSC D22
LESS PREMIUM	\$ 0.81	ICSC LCSC D15
DA LESS PREM	\$ 41.51	
1X PROD LABOR	\$ 17.09	ICSC LCSC D12
DA LESS PREM + 1X PROD	\$ 58.60	
TOTAL 1998 - 2000 DA	\$ 62.11	B29*INFL FACTOR E14

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