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Legal Department

Bennett L. Ross
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BellSouth Telecommunications, Inc.
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August 17, 2000

Mrs. Blanca S. Bayó
Director, Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. 000649-TP (MCI)

Dear Ms. Bayó

Enclosed please find the original and fifteen copies of BellSouth Telecommunications, Inc.'s Direct Testimony of D. Daonne Caldwell, David A. Coon, W. Keith Milner, Cynthia K. Cox, Ronald M. Pate, and David P. Scollard, which we ask that you file in the captioned matter.

A copy of this letter is enclosed. Please mark it to indicate that the original was filed and return the copy to me. Copies have been served to the parties shown on the attached Certificate of Service.

Sincerely,

Bennett L. Ross

Bennett L. Ross
(2L)

cc: All Parties of Record
Marshall M. Criser III
R. Douglas Lackey
Nancy B. White

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CERTIFICATE OF SERVICE
Docket No. 000649-TP

I HEREBY CERTIFY that a true and correct copy of the foregoing was served via U.S. Mail this 17th day of August, 2000 to the following:

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ORIGINAL

BELLSOUTH TELECOMMUNICATIONS, INC.

DIRECT TESTIMONY OF D. DAONNE CALDWELL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 000649-TP

AUGUST 17, 2000

Q. PLEASE STATE YOUR NAME, ADDRESS AND OCCUPATION.

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

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

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

My initial employment was with South Central Bell in 1976 in the Tupelo, Mississippi, Engineering Department where I was responsible for Outside Plant Planning. In 1983, I transferred to BellSouth Services, Inc. in Birmingham, Alabama, and was responsible for the Centralized Results System Database. I

moved to the Pricing and Economics Department in 1984 where I developed methodology for service cost studies until 1986 when I accepted a rotational assignment with Bellcore. While at Bellcore, I was responsible for development and instruction of the Service Cost Studies Curriculum including courses such as "Concepts of Service Cost Studies", "Network Service Costs", "Nonrecurring Costs", and "Cost Studies for New Technologies". In 1990, I returned to BellSouth and accepted a position in the cost organization, now part of the Finance Department, with the responsibility of managing the development of cost studies for transport facilities, both loop and interoffice. My current responsibilities encompass cost methodology development and the overall coordination of cost study and interrogatory response filings. Additionally, I participate in cost-related dockets as an expert witness on cost issues.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of my testimony is to describe the methodology BellSouth utilized in developing the costs that support the proposed rates offered to MCI WorldCom.

Q. WHAT ARBITRATION ISSUE DOES YOUR TESTIMONY ADDRESS?

A. My testimony addresses Issue 2, which concerns the prices that should be included in the interconnection agreement for various Unbundled Network Elements ("UNEs").

Q. WHAT COSTS SHOULD THE COMMISSION CONSIDER WHEN DETERMINING THE RATES FOR THE UNES IN THIS ARBITRATION?

A. In Docket 990649-TP, BellSouth submitted cost studies that support all of the UNE rates BellSouth has proposed in this arbitration, with the exception of line sharing. These costs reflect the costs BellSouth expects to incur in providing unbundled network elements and combinations to competitors on a going-forward basis in the state of Florida. These costs were based on an efficient network, designed to incorporate currently available forward-looking technology, but recognizing BellSouth's provisioning practices and network guidelines, as well. Additionally, shared and common costs were considered.

In this arbitration I am filing, in both paper form and on CD-ROM, the cost study results for line sharing. Attached as Exhibit DDC-1 is BellSouth's cost study. The Commission should consider the cost studies filed in Docket No. 990649-TP and the cost studies filed in this arbitration in setting the rates in the interconnection agreement.

Q. WHY ARE LINE SHARING COSTS NOT INCLUDED IN DOCKET 990649-TP?

A. The stipulation entered in Docket 990649-TP excluded line sharing. Thus, although BellSouth originally filed line sharing cost studies in Docket 990649-TP, those studies have been revised to remove line sharing.

Q. IS THE COST METHODOLOGY BELLSOUTH USED FOR LINE SHARING THE SAME AS THE COST METHODOLOGY FILED IN DOCKET 990649-TP?

A. Yes. The cost development followed the same cost methodology used in Docket 990649-TP. Therefore, the Commission should set rates in this docket for line sharing with the understanding that any adjustments ordered in Docket 990649-TP can be incorporated into the line sharing cost study at a later date.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.

FLORIDA DOCKET NO. 000649-TP

MCI ARBITRATION

EXHIBIT DDC-1

PUBLIC VERSION

FLORIDA DOCKET NO. 000649-TP
TABLE OF CONTENTS

FLORIDA DOCKET NO. 000649-TP
TABLE OF CONTENTS

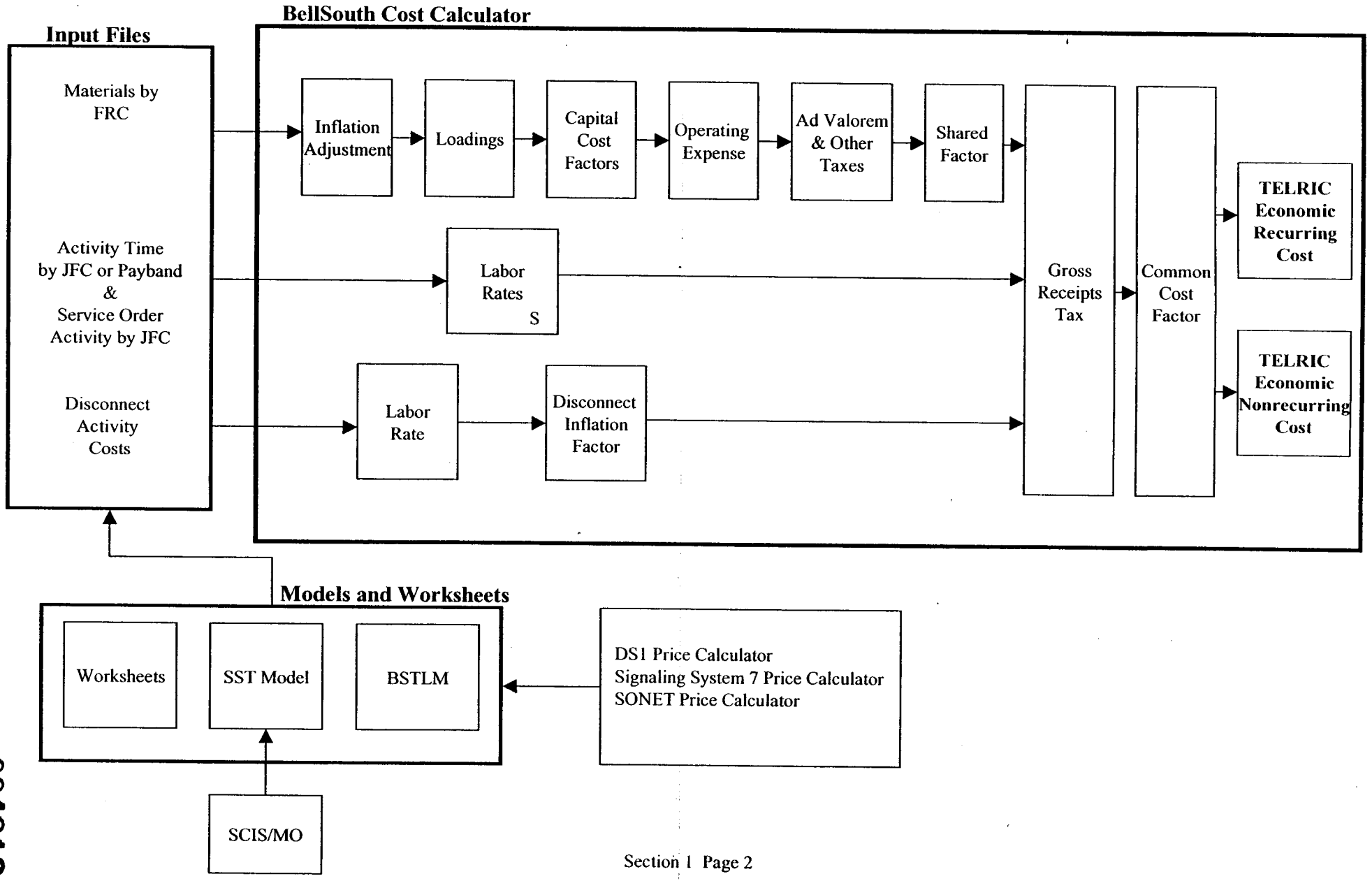
FLORIDA DOCKET NO. 000649-TP
TABLE OF CONTENTS

FLORIDA DOCKET NO. 000649-TP
SECTION 1
EXECUTIVE SUMMARY

STATEMENT OF PURPOSE

BellSouth Telecommunications, Inc. (BellSouth) is including in this filing a total element long run incremental cost study (TELRIC) for line sharing unbundled network elements (UNE). The economic costs presented in this docket reflect a 2000-2002 study period. This study is consistent with cost methodology, inputs and other factors used in Docket 990649-TP. The study complies with the Commission's directives with respect to cost development.

TELRIC Calculation



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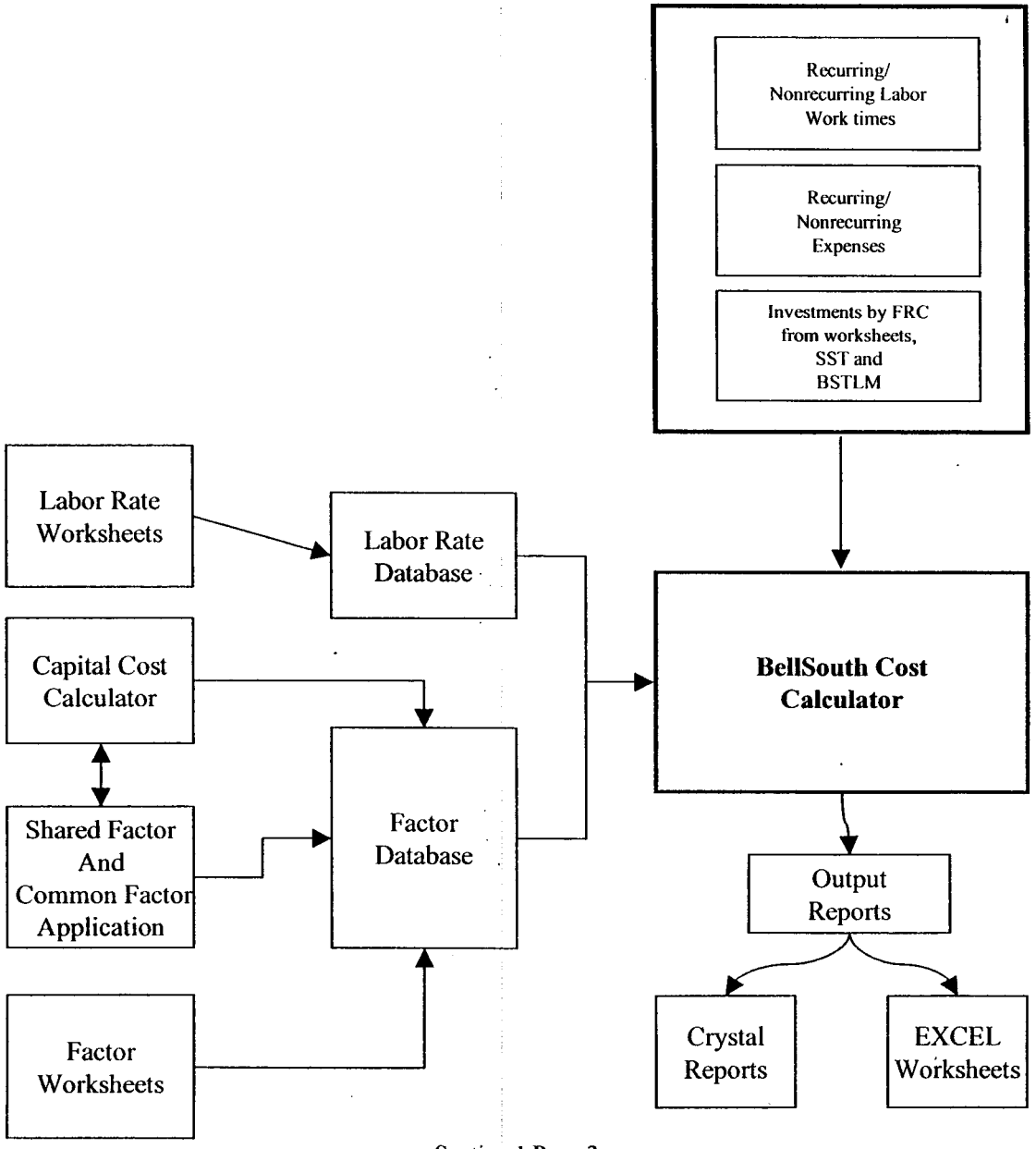
BELLSOUTH COST CALCULATOR WORKFLOW PROCESS



FLORIDA DOCKET NO. 000649-TP
SECTION 2
BELLSOUTH COST SUMMARY

BellSouth Cost Calculator 2.4 - Element Summary Report

Study Name: MCI Arbitration
State: Florida
Scenario: Line Sharing J.4.1 - J.4.4
Study Type: TELRIC

Cost Element	Description	Recurring	Non Recurring	Non-Recurring First	Non-Recurring Additional	Non-Recurring Initial	Non-Recurring Subseque
J.0	OTHER						
J.4	LINE SHARING SPLITTER - DATA						
J.4.1	Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)	$201.46		$347.67			
J.4.1	Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD) - Disconnect Only			$330.40			
J.4.2	Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)	$50.37		$347.67			
J.4.2	Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD) - Disconnect Only			$330.40			
J.4.3	Line Sharing Splitter - per Line Activation in the Central Office (LSOD)	$7.71		$37.02	$21.20		
J.4.3	Line Sharing Splitter - per Line Activation in the Central Office (LSOD) - Disconnect Only			$19.56	$9.60		
J.4.4	Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)			$32.78	$16.38		

004915

FLORIDA DOCKET NO. 000649-TP
SECTION 3
STUDY METHODOLOGY

TOTAL ELEMENT LONG RUN INCREMENTAL COST (TELRIC)

BellSouth's cost studies are compliant with the FCC's TELRIC standards. Thus, they are consistent with the FCC's costing methodology as set forth in FCC Rule 51.505. Pursuant to the FCC's rules, such costs must be developed using an efficient network configuration that uses the existing location of the Incumbent Local Exchange Carrier's (ILEC's) wire centers. Further, the costs should be developed using a forward-looking cost of capital and economic depreciation rates, and a reasonable allocation of forward-looking common costs is appropriate. The forward-looking economic costs may not include embedded costs, retail costs, opportunity costs or revenues to subsidize other services.

The FCC's UNE Remand Order did not adjust the TELRIC cost methodology. However, on July 18, 2000, the United States Court of Appeals for the Eighth Circuit issued its opinion striking down the FCC's TELRIC pricing rules. The Court held that unbundled network element (UNE) costs should be determined using forward-looking costs of the Incumbent Local Exchange Company's (ILEC's) existing network rather than on the costs of a hypothetical network of an imaginary carrier. Specifically, the Eighth Circuit's ruling, once it becomes effective, vacates FCC Rule 51.505(b) and remands the matter to the FCC.

BellSouth has not fully evaluated the impacts of this decision on the costs of UNEs. Therefore, no changes to the TELRIC methodology used in this filing have been made. The costs filed in this package are forward-looking but are conservative (low) based on the Eight Circuit's opinion.

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 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 and their respective capacities 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 (potentially both BellSouth and vendor), exempt material and sales taxes.

Supporting equipment and power loadings are added, as appropriate, to specific investment accounts. Next, support structure investments for land, building, poles and conduit are developed. These support structure investments are identified by their relationship to the respective item of plant being supported. For example, applying a pole-loading factor to the aerial cable investment develops the pole investment. An accounting change, effective 1999, reclassified Right-To-Use (RTU) fees from expense to capital. In order to reflect the capitalized RTU fees (560C) associated with central office investments (377C), BellSouth also developed a RTU fee loading factor.

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 installed investment by account code, yielding an annual cost per account code. Account specific shared cost factors are applied then the gross receipts tax factor is applied to produce forward-looking TELRIC costs. The common cost allocation factor is then applied. The result is the economic cost.

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

Step 1: Determine the forward looking, efficient 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 and thus, reflect the current discounts.

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 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 inflated 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, RTU fees, 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. (Not all elements are expressed on a monthly basis. For example, elements charged on a per minute of use basis are not divided by 12.)

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.

NONRECURRING COSTS

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

Service Inquiry – Review network facilities for availability

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 structure, i.e., determine if the costs occur only once, on a first and additional basis, or on an initial and subsequent basis. Individuals familiar with the provisioning process associated with each unbundled network element or combination describe the tasks required to handle a service request from a CLEC. In other words, they determine the workflow. Then, subject matter experts identify the amount of time required to perform the tasks and also determine the probability that the activity will occur. Nonrecurring 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 structure.

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.

FLORIDA DOCKET NO. 000649-TP
SECTION 4
DESCRIPTION OF MODELS AND PRICE CALCULATORS

1. BellSouth Cost Calculator

The BellSouth Cost 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 BellSouth Cost Calculator© was used to produce the TELRIC studies included in this filing.

The BellSouth Cost Calculator is a Microsoft Visual Basic application that is used to create cost study scenarios that are stored in a Microsoft Access database. The BellSouth Cost Calculator allows users to access and modify these scenarios to create new scenarios. Each scenario contains all the data necessary to produce a cost study.

The BellSouth Cost Calculator takes information from the default data sources or from the user-modified sources and stores them in tables within the scenario database. Investments are stored by Field Reporting Code (FRC), Sub Field Reporting Code (Sub-FRC), and cost element number. The sub-FRC is used by the BellSouth Cost Calculator to determine the appropriate application of factors and loadings. The factors and loadings are applied based on a "Factor Application" matrix. This matrix can be viewed or printed from the BellSouth Cost Calculator under the "Inputs – Factor Application" menu item. Factors and loadings are stored by FRC.

Recurring and nonrecurring work times are stored by function and Job Function Code (JFC) or Job Grade. Other recurring and nonrecurring expenses are stored by description and cost element number. Lastly, labor rates are stored by JFC or Job Grade. The output reports are by default created in a Crystal Report format that can be viewed or printed, however, the user can also export any report to an Excel file.

BellSouth Cost Calculator Recurring Cost Development

Investment Development (Excluding Land, Building, Pole, & Conduit)
Volume sensitive and volume insensitive material prices by FRC and sub-FRC are converted to investments by applying inflation factors, inplant loadings and supporting equipment and/or power loadings, if applicable. As stated previously, the application of these factors/loadings is driven by a "Factor Application" matrix. If the factor/loading is not applicable to the FRC and sub-FRC, the material price is multiplied by the default value of one. All calculations are detailed above each column on the output sheets.

Land, Building, Pole, & Conduit Investment Development
Investments from the Investment Development process flow into the Land, Building, Pole, and Conduit module. This module applies land, building, pole, and conduit loadings to the investments. If land, building, pole, and conduit investments are directly calculated in the Investment Development process, they 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 passed to the Recurring Cost Development process. All calculations are detailed above each column on the output sheets.

Network Switch RTU Fees (560C)
If the study identifies a 377C switching investment associated with an end office or tandem switch, the 560C factor is utilized to develop the software RTU investment. The Simplified Switching Tool (SST) computes switch RTU fees by applying the RTU fee loading factor (FRC 560C) to the primary switch (377C) investment. SST provides the 377C and 560C investments separately for input to the Recurring Cost Development process.

Recurring Cost Development
The investments from the Investment Development and the Land, Building, Pole, and Conduit Investment Development modules are summed to the FRC level and flow into the Recurring Cost Development module. This process applies 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. If the input investments are annual investments, the outputs are divided by twelve to produce monthly costs. The results then flow to the Recurring Economic Cost Development process.

Recurring Labor Expense Development
Recurring labor work times associated with a work function and a JFC or Job Grade are multiplied by the appropriate labor rates, determined by the JFC or Job Grade, to produce the expenses. These expenses flow to the summary process, i.e., the Recurring Cost Development process. All calculations are detailed above each cell.

Recurring Economic Cost Development
Recurring costs from the volume sensitive and volume insensitive recurring cost development processes, recurring direct expenses from the recurring Labor Expense Development process, and other expenses from the input sheet "Additives" flow to the Recurring Economic Cost Development process. 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 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.

BellSouth Cost Calculator Nonrecurring Cost Development

Nonrecurring Cost Development
Installation and disconnect work times, by work function and JFC or Job Grade, are brought from the input sheet, Nonrecurring Labor, to the nonrecurring cost development process. The nonrecurring cost development process produces three different types of nonrecurring cost structures. The first structure is for a single nonrecurring cost, the second is for costs that are first and additional, and the third is for costs that are initial and subsequent. Only one of these three structures is developed for a cost element. The cost development methodology is the same for all three structures.

The BellSouth Cost Calculator calculates the disconnect factor, used to develop the present value of a labor cost that will take place in the future. The calculator 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 and the disconnect cost is not converted to a present value.

To develop the nonrecurring cost, the appropriate labor rate for the JFC or Job Grade is applied to the installation and disconnect work times for each function to produce the install cost and the disconnect cost. The disconnect cost also has the disconnect factor applied. The costs then flow to the appropriate summary process. All calculations are detailed above each cell.

Nonrecurring Economic Cost Development
The nonrecurring installation and disconnect costs from the Nonrecurring Cost Development process, and other expenses from the input sheet "Additives" are brought to the installation cost development and the disconnect cost development processes where costs and expenses are summed to a total cost. These costs are then multiplied by Gross Receipts Tax and Common Cost

factors to produce the nonrecurring economic costs for installation and disconnect.

The previously described nonrecurring cost development reports will not be included with a cost element for which nonrecurring costs are not applicable.

2. Capital Cost Calculator

The Capital Cost Calculator calculates the three annual capital cost factors - depreciation, cost of money and income tax for each class of physical plant. Depreciation (book) is a function of the Gompertz-Makeham survival curve for the respective classes of plant, and is defined in the calculator by the c, G and S parameters. Cost of Money is the return on investment needed to satisfy both the debt and equity investors in the enterprise. Income tax calculations are a function of the return on equity (that portion of the Cost of Money not directed toward debt retirement) and debt service requirements.

User adjustable inputs to the calculator include financial data, tax data, tax depreciation information, and book depreciation data. The calculator also allows the user to input the Gompertz-Makeham curve shapes, the lives, and the future net salvage (FNS) of each plant account.

Survival data for each class of plant is based on the Gompertz-Makeham survival curve defined by the c, G, and S parameters describing the attrition of plant over it's useful life. The curve is adjusted to match the respective economic lives. The G-M survival curves are the standard approach used in the telecom industry and approved by most state and federal regulatory bodies. While the curve represents the pattern of retirements, the area under the curve represents the average life of the plant. Thus, as the user adjusts the average life, the area under the curve must also be adjusted to match the input average life.

The calculator contains survival data for both beginning of year (BOY) convention and end of year (EOY) convention. Yearly retirements are obtained by subtracting current year survival proportions from previous year survival proportions.

In calculating annual depreciation amounts, the Calculator methodology uses the standard Midyear Equal Life Group (ELG) approach. Since midyear convention is used, the first year values recognize that capital is only on the books for ½ of a year.

Average Capital per year is used as the basis against which Cost of Money calculations are made. Beginning of Year Capital and End of Year Capital are averaged together to develop the Average Capital per year.

The EOY capital balance is calculated as:

(BOY Capital) - (Book Depreciation) - (Deferred Tax)

This balance recognizes the deferred tax balance that is available to the company from "normalizing" its deferred taxes. However, this balance is assumed to have a 0% rate of return (therefore, it can be removed from the capital amount the company has invested).

Annual Deferred Tax is calculated as:

(Tax Deprecation) - (Book Depreciation) * (Combined Income Tax Rate)

Data inputs for income tax data calculations include a MACRS (Modified Accelerated Cost Recovery System) table. This table provides the yearly tax depreciation rates for each Recovery Class as specified by MACRS tax depreciation rules.

Grossed-up Income Tax is calculated as:

(Return on Equity * Combined Income Tax Rate) /
(1 - the Combined Income Tax Rate).

This formula recognizes that most states do not allow Federal Income Taxes to be deducted from income.

Tax depreciation is included in Federal Income Tax calculations and serves to reduce the effective tax on the Return on Equity portion of Cost of Money.

When the initial operations of the Calculator are completed, the total capital cost factors for each year that plant survives is determined. In order to develop a set of levelized annual cost factors, two steps are necessary. First, the net present value (NPV) of the annual factor streams is calculated using a discount rate equal to the Cost of Money. Second, the NPV is spread over the economic life of the plant account using a midyear convention to arrive at a set of levelized annual cost factors for book depreciation, cost of money, and combined income taxes. A detailed description of the model and the associated EXCEL spreadsheet is included in Appendix A.

3. Main Distributing Frame Material Price Study

The Main Distributing Frame and associated equipment are the backbone for equipment mounts in the Central Office (C.O.). Vendor equipment (Lucent, Nortel, etc.) interfaces with the MDF in order to connect a subscriber to a line, a trunk, or a carrier.

The MDF fundamental study assumes the basic configuration is a metal frame, measuring eleven feet by six feet, with mounting blocks running vertically and horizontally. Each analog line requires one MDF and protector termination. Digital lines interface with the switch via T-1 links, with each line requiring two MDF and protector terminations. The MDF fundamental study develops MDF material prices for the following local loops:

2-wire or 4-wire copper, nonswitched
2-wire or 4-wire copper, switched
2-wire or 4-wire fiber, nonswitched (Universal DLC)
2-wire or 4-wire fiber, switched (integrated DLC)
ISDN
4-wire DS1 Digital copper, nonswitched
4-wire DS1 Digital copper, switched
2-wire or 4-wire Analog Line Port
Copper Loop/Port Combination

MDF Utilized Material Price Study Assumptions:

1. The forward-looking MDF configuration is 11' - 6" double-sided conventional framework.

2. Connectors (310 and 410 types) and Connecting Blocks (89 type) will be ordered through the BellSouth Turf Vendor Central Office Ordering Process.

3. Protectors and Continuity Plugs will be ordered through GTE Supply.

4. Projected Actual Fill for all MDF associated equipment, except for protectors and continuity plugs, is 85%. Projected actual fill for protectors and continuity plugs is 100%.

5. All loops entering the Central Office on copper facilities terminate at the MDF for protection and cross connection to other equipment.

6. Nonswitched UNE loops entering the Central Office on fiber optic facilities (Universal DLC) will have a nonprotected termination at the MDF for testing and cross connection to other equipment.

7. MDF costs will be developed on a "per-pair terminated" basis. Loops are terminated in connectors/protectors on the vertical side of the MDF. Office equipment, such as, the switch or connections to interoffice facilities, is terminated at connecting blocks on the horizontal side of the MDF.

8. The MDF framework, connecting block, tie-cable, cable rack and associated equipment to connect the CLEC space to the MDF is provided in the Collocation UNE elements.

9. The cost of all necessary mounting brackets and other miscellaneous hardware is included in the material cost of the appropriate item, e.g., framework, connector, etc.

10. The average stub length for 310-type connectors terminating copper loops is 100 feet. The 410-type connector associated with fiber loops has no stub.

11. The cable between the MDF and the C.O. switch and the terminal block to terminate this cable at the MDF is included in the Line Port cost.

12. All costs associated with running the cross connect jumper(s) between Connectors and Connecting Blocks are included in the work activities associated with provisioning a UNE and are recovered as nonrecurring costs.

An electronic copy of this Price Calculator is included, in Section 4 under the documentation sub-directory on the CD furnished as Appendix C.

FLORIDA DOCKET NO. 000649-TP
SECTION 5
INPUTS – DESCRIPTION OF LOADINGS AND FACTORS

BELLSOUTH REGION TELEPHONE PLANT INDEXES

The BellSouth Region Telephone Plant Indices (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 indices 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 econometric 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 F.

INVESTMENT INFLATION FACTORS

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

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

IN-PLANT LOADING FACTORS

The In-Plant Loading factors add engineering and installation labor and miscellaneous equipment to the material price and/or vendor installed price, that is, the In-Plant Loading converts the material price to an installed investment. The installed investment is the dollar amount that is recorded in the capital accounts. In-Plant loadings are account specific. There are two types of in-plant loadings used in these studies: 1) Material Loading, 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 1998 State and Local Sales Taxes, Resource Tracking Analysis and Planning (RTAP) System, and Special Report/File 542 - 1998 Investments.

A summary of the In-Plant Loading factors used in these studies and worksheets showing their development are included in Appendix B.

SUPPORTING EQUIPMENT AND POWER LOADING FACTORS

Supporting Equipment and Power Loading factors are used to calculate the incremental investment for such items as power equipment (rectifiers, power supplies, batteries, some fuse panels and emergency power generators), distributing frames, ladders, tools, alarms and test sets, required to support an additional dollar of central office (CO) investment. The Supporting Equipment and Power Loadings are developed from investment data obtained from a 1998 Central Office Monthly Allocation Process (COMAP) extract of power and supporting equipment.

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

LAND AND BUILDING LOADINGS

Land and Building Loadings are translators used to determine the amount of investment in land and building associated with central office investment. Ratios are developed between land investments and central office equipment investments and between building (central office) investments and central office equipment investments.

In order to develop these ratios, regulated investment dollars are taken from extracts from BellSouth financial systems for the years ending 1997 and 1998.

The EOY investments are averaged to develop an average investment level for 1998. The projected view of 1999 through 2002, from Network, is based on plant additions less retirements and is added to the 1998 EOY investment levels. Current Cost Factors are applied to average 1998 investment levels only. Projected net additions for 1999 through 2002 are added to represent the current forward looking period (2000 – 2002).

The 2000 through 2002 land and building projected investments are added, multiplied by the percent of land and building associated with central office equipment, and each is respectively divided by the three years of total central office equipment to derive the loading factors.

Worksheets showing the development of Land and Building Loading factors used in these studies are included in Appendix B.

POLE AND CONDUIT LOADINGS

Pole and conduit loadings are translators used to determine the amount of investment in poles and conduit associated with aerial and underground cable investment.

The pole loading is developed by comparing the investment in poles to the investment in aerial cable. A ratio is then developed that allows each dollar of aerial cable investment to include a fraction of the pole investment. The conduit loading is developed by comparing the investment in conduit to the investment in underground cable. A ratio is then developed that allows each dollar of underground cable investment to include a fraction of the conduit investment.

The regulated investment dollars used in developing these factors are taken from extracts from BellSouth financial systems for the years ending 1997 and 1998. The projected view of 1999 through 2002 received from Network is based on plant additions less retirements and is added to the 1998 EOY investment levels. Current Cost Factors are applied to 1998 average investment levels only. Projected net additions for 1999 through 2002 are added to represent the current forward looking period. The pole loading is developed by dividing three years cumulative pole investment by three years cumulative aerial cable investment. The conduit loading is developed by dividing three years cumulative conduit investment by three years cumulative underground cable investment.

A worksheet showing the Pole and Conduit Loadings development is included in Appendix B.

RTU FEE LOADING FACTOR (560C)

This investment loading factor computes the RTU fee investment for Central Office switching equipment (Field Reporting Code 377C). The RTU fee is classified as Account Code 2690 - 560C Intangible Software RTU Investment - Network Switching.

The loading factor represents the ratio of RTU fee capitalized investment to switch investment over the study period. The general procedure for developing the loading factor is as follows:

1. Determine from Company budget forecasts the expected dollar amount for network additions in 377C plant over the study period (2000-2002).

2. Determine from Company budget forecasts the expected dollar amount for network additions in 560C software over the study period (2000-2002).

3. Divide (2) by (1) to compute the RTU fee loading factor.

The RTU loading factor is applied to 377C material, when required, to determine the associated the capitalized RTU 560C material amount. This 560C material is then included as input into the BellSouth Cost Calculator.

A worksheet showing the RTU Fee Loading factor development is included in Appendix B.

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 investment. Annual cost factors were developed for each category of plant investment. When the dollar amount for a particular investment is multiplied by the annual cost factor for that particular category of plant investment, the product reflects the annual recurring cost incurred by BellSouth with respect to that particular 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 a PC based spreadsheet, the Capital Cost Calculator, which 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.

CAPITAL-RELATED COSTS

DEPRECIATION (book) - the allocation of the initial plant investment over the years of service provided by the plant. Depreciation is determined by analysis of survivor curve data. Survivor curves represent the survival pattern of plant investment. Specifically, for any year, depreciation is defined as the difference in the plant surviving at the beginning of the year less the amount of that same plant surviving at the end of the year. Survivor curve shapes for different classes of plant are determined by the respective Gompertz-Makeham c, G, and S parameters.

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 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 - taxes 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 method employed in these studies employs survivor curves as defined by the Gompertz-Makeham c, G, S parameters. The general form of the survivor curves, in log form, is:

$$P_x = P_0 + xS + G\left[\left(c^x\right) - 1\right],$$

where:

P_x = Proportion surviving at age x,

P_0 = Proportion surviving at age zero, and

x = Age.

The curve shape parameters describe a particular curve shape, along with an associated life. In practice, the parameters are determined by actuarial-type studies of classes of telephone plant.

The curves for specific classes of plant are rendered as tables of proportions surviving versus years in service. Depreciation ratios for specific years of service are determined by subtracting proportions surviving at the beginning and end of the years in question. Where the half-year convention is employed, proportions surviving may be expressed at intervals such as 0.5, 1.5, 2.5,etc. years.

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, 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. The overall cost of money rate is equivalent to the rate of return currently authorized by the Federal Communications Commission (FCC) and the rate of return referred to by the FCC in its First Report and Order, CC Docket 96-98.

Income tax expense is the federal and state taxes levied on "taxable income." For income tax purposes, what is considered gross income and what expenses are deductible are defined by laws and codes. The income tax factor is developed to reflect the income tax in two situations: 1) payment of dividends to

stockholders, which are neither tax deductions nor accounting expenses; and 2) and the existence of a tax-timing difference between book depreciation and tax depreciation. While interest to bondholders is book expense and deductible for income tax purposes, the federal government and most state governments levy a tax on the revenues, which are earned to compensate stockholders for the use of their money. A company must pay income taxes on the equity portion of return, but the debt portion is tax exempt. The timing differences for depreciation are the result of both different depreciable lives and different depreciation methods. In addition, the basis for tax depreciation may be different from the basis for accounting depreciation.

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 that reflects the relationship between the expenses for plant category and 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. Certain expenses, such as service order activity, have been excluded from the appropriate categories. 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 expenses incorporated in the Plant Specific Expense Factors include those associated with the following types of operations:

1. Inspecting and reporting on the condition of plant investment to determine the need for repairs, replacements, rearrangements and changes

2. Performing routine work to prevent trouble

3. Replacing items of plant other than retirement units

4. Rearranging and changing the location of plant not retired

5. Repairing material for reuse

6. Restoring the condition of plant damaged by storms, floods, fire and other casualties (other than the cost of replacing retirement units)

7. Inspecting after repairs have been made

8. 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 based on three years of projected expense and investment data. The 1998 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 Regulatory Accounting Group for the 1999 through 2000 expenses and spread based on actual expenses. 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 2000 through 2002 projected expense amounts are added together and averaged to represent the average annual expenses for the projected period.

The investment dollars are derived from actual EOY 1997 and 1998 levels plus 1999 through 2002 projected net additions from the Network Budgets Group. The investment projections are based on plant additions less retirements added to the cumulative historical year. The actual EOY 1997 and EOY 1998 dollars were extracted from BellSouth financial systems. EOY 1997 and EOY 1998 investments are averaged to develop average 1998 amounts, current cost factors are applied, and then 1999 through 2002 net additions are added together to represent the projected period. The 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 B.

AD VALOREM AND OTHER TAXES

The ad valorem and other tax factor is an effective tax factor furnished by the BellSouth Tax Department. The BellSouth Tax Department develops the factor by calculating the ratio of certain tax expenses to the telephone plant in service, as follows:

$$\frac{\text{Accounts } 7240.1000 + 7240.3000 + 7240.9000}{\text{Telephone Plant In Service}}$$

Account 7240.1000 includes taxes levied upon the assessed value of property.

Account 7240.3000 includes taxes levied upon the value or number of shares of outstanding capital stock, upon invested capital, upon rate of dividends paid, etc.

Account 7240.9000 includes other nonincome, nonrevenue taxes such as municipal license taxes, state privilege taxes, state self-insurer's tax, etc.

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

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 B.

DISCONNECT FACTORS

Disconnect factors are translators used to determine the costs associated with disconnecting a service. These factors are developed because there is a difference in time between when a service is disconnected and when BellSouth recovers this disconnect cost. Disconnect costs are typically included in the one-time up front service establishment charges. The customer is billed now for work that will be done in the future. However, the user has the option of developing disconnect costs under the assumption that these charges will apply at the time of disconnect.

The calculation of the disconnect factors is based on the following data: the expected life of the service being studied and an interest rate that is comparable to the highest rate BellSouth is required to pay its customers for customer deposit payments held by BellSouth. The disconnect factor inflates the labor cost to the period of the future disconnect and discounts these costs to the present. Disconnect factors are calculated by month for twelve years for the company on a regional basis. The data sources for these factors are the 1998 forecasted labor inflation rates from the BellSouth Region TPIs and a discount rate based on simple interest calculations.

If disconnect costs are to be collected at the time of disconnect, the factor reflects inflation only. The costs are not discounted to the present.

Worksheets that develop the Disconnect Factors used in these studies are included in Appendix B.

LABOR RATES

Labor rates for specific work groups are developed annually based on extracts of previous year's data from the Financial Front End System. This extract collects labor 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. The base year of labor rate data collection was the 1998 calendar year. A labor inflation factor is developed from the BellSouth Region TPIs and is applied to inflate these rates to the study period 2000-2002. The actual labor rate inflation development process can be seen under the inflation factor tab of the Labor Rate file in Appendix F.

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

DIRECT SALARIES AND WAGES

1. Direct Labor - Productive (RESOURCE TYPE CODE (RTC) 111, 121)
   Represents the wage and salary costs associated with work reporting employees 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 (RTC 122)
Represents the wage and salary costs associated with premium hours paid for hours worked beyond the normally scheduled work period.

3. Direct Labor - Other Employee (RTC 199, 19B, 19C, 193)
Covers the costs associated with the periodic incentive compensation payments made to management employees based on corporate service and financial performance, the annual bonus paid to non-management employees, all costs associated with commissions paid to employees, cash awards paid for any approved program, etc.

4. Direct Labor - Annual Paid Absence (RTC 132, 19E)
Identifies the cost 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 (RTC 111, 121, 122, 199, 19B, 19C, 19E, 193, 132)
Identifies the costs of salaries paid during the month to the first level of supervision responsible for supervising occupational work reporting 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. Other Tools - Salaries (RTC CQR)
Identifies the salary portion of the distributed costs associated with tools.

7. Motor Vehicles - Salaries (RTC CQM)
Identifies the salary portion of the plant motor vehicle expenses distributed to 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 (Various RTCs)
Identifies the costs incurred for office, traveling and other costs of employees whose wage and salary costs are direct labor.

2. Other Tools - Benefits (RTC CQS)
Identifies the distributed benefits costs associated with tools.

3. Other Tools - Rents (RTC CQK)
Identifies the distributed rent costs associated with tools.

4. Other Tools - Other (RTC CQL)
Identifies the distributed other expense costs associated with tools.

5. Motor Vehicles - Benefits (RTC CQN)
Identifies the benefits portion of the plant motor vehicle expenses distributed to construction, removal or plant specific operations expense accounts based on the classified productive hours of the labor groups using the motor vehicles.

6. Motor Vehicle - Rents (RTC CQP)
Identifies the rents portion of the plant motor vehicle expenses distributed to construction, removal or plant specific operation expense accounts based on the classified productive hours of the labor groups using the motor vehicles.

7. Motor Vehicle - Other (RTC CQQ)
Identifies the other costs portion of the plant motor vehicle expenses distributed to construction, removal or plant specific operations expense accounts based on the classified productive hours of the labor groups using the motor vehicles.

8. Benefits (RTC KB1)
Identifies amounts for the payroll related benefits and taxes. 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.

Labor Rate worksheets are included in Appendix B.

SHARED FACTORS AND COMMON FACTOR DEVELOPMENT AND APPLICATION

Process Overview

In order to develop factors that reflect a distribution of a) shared costs to distinct network elements or facilities and b) common costs that span the activities of the business, BellSouth designed a process which complies with FCC pronouncements. This process employs cost assignments, where possible, based on the cost attribution principles underlying the Cost Allocation Manual (CAM) approved by the FCC. These principles provide a structural "cost causative" basis for assigning costs to network related plant or to non-network related groupings (Common, Non-Recurring Costs, Retail, etc.).

Base Period Data

Base period cost profile data for regulated 1998 expenses and 1998 average investment amounts were extracted from BellSouth's financial records. In addition, the related salary and wage amounts were retrieved for use in the apportionment processes. The data was retrieved by Account, Field Reporting Code/Subsidiary Record Category (FRC/SRC), Cost Pool, Cost Sub-Pool, Expense Matrix Indicator (EMI), and Account Type as appropriate.

STEP 1. Development of 2000-2002 Average Annual Costs

Projection factors were applied to the base period data at a cost pool/sub-pool level to develop average annual forward-looking costs for the 2000-2002 period. As a first step in this process, the 1998 expenses and salary and wage amounts were multiplied by the 2000-2002 Expense/Salary & Wage Development Factors to develop the related average annual expenses and salary and wage amounts for the 2000-2002 period. Next, 1998 averaged investment amounts were multiplied by the 2000-2002 Investment Development Factors to develop the average 2000-2002 investment levels. Next, the 2000-2002 average investment levels were converted to average annual capital related costs by applying the Capital Cost and Ad Valorem Factors. The final process in this step was the identification and segregation of all nonrecurring costs to prevent them from being impacted by any recurring costs.

After the expenses and investments have been converted into forward-looking costs in Step 1, the next steps assigned these costs to cost objectives such as wholesale network investments, retail, nonrecurring, etc.

STEP 2. Reclassification

The next operation identified those accounts where there were direct, cost causative relationships between expense accounts and related investment accounts, and performed a reclassification process to combine the expenses and capital costs of the related accounts. As an example, Account 6112 Motor Vehicle maintenance expense was combined with Account 2112 Motor Vehicle capital related costs. Most of the plant specific expenses have a direct, cost-causative relationship with either a general support or network investment account.

STEP 3. Primary Attribution of Cost

After the above-referenced reclassifications, the remaining expenses and support asset costs (Accounts 61XX, 65XX, 66XX, 67XX, 1220, 21XX, and 26XX) were assigned by applying factors based on the cost attribution principles underlying the CAM. Apportionment factors were developed on a cost pool/sub-pool basis reflecting salary and wage relationships, investment relationships, or expense relationships.

STEP 4. Secondary Reclassification

Following the first iteration of cost assignments, a reclassification of assigned costs was made to associate costs which, by their nature, were assignable to related accounts or to final non-network related groupings.

During the first iteration of cost assignments, some apportionments were made to support type accounts; and therefore, a second iteration of cost assignment was required to appropriately distribute support type costs on a cost causative basis. The second iteration of cost assignment began in this step and included only computer costs (Account 6124).

STEP 5. Secondary Attribution of Costs

This step continued the distribution of support type costs referred to in Step 4 above. It included the assignment of provisioning expenses (Account 6512), and network operations expenses (Accounts 653X).

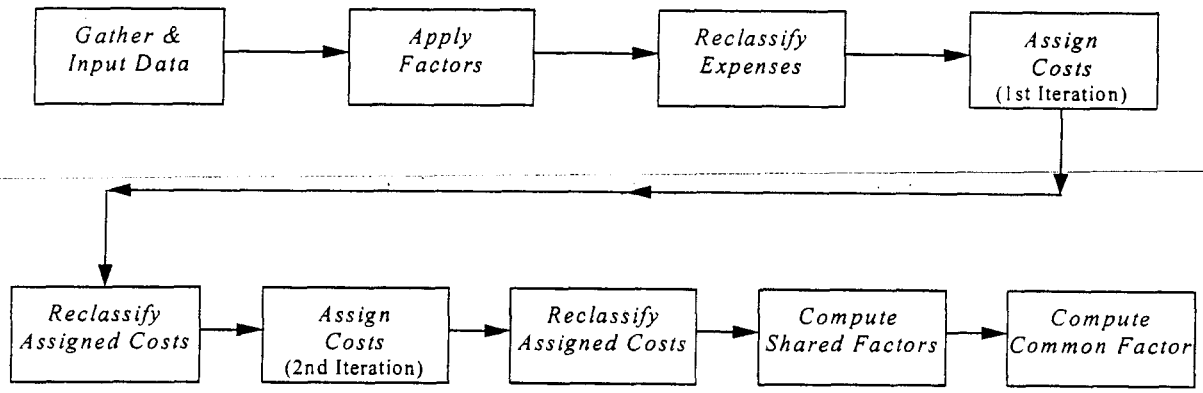
STEP 6. Reclassification and Factors Development

After the second iteration of cost assignment, a final reclassification was required to associate the remaining costs with either a network related account or with a nonnetwork related grouping. The cost assignments that were associated with network related accounts were then divided by the related 2000-2002 investment amounts in order to develop the shared factors

In the steps of the process outlined above, some costs, though common in nature, have wholesale/retail attributions that facilitate an assignment to the wholesale or retail category. These costs are referred to as directly assigned common costs. Other common costs, having no reasonable cost causation basis, were allocated to the wholesale and retail categories on the basis of the relationship between total wholesale costs and total retail costs.

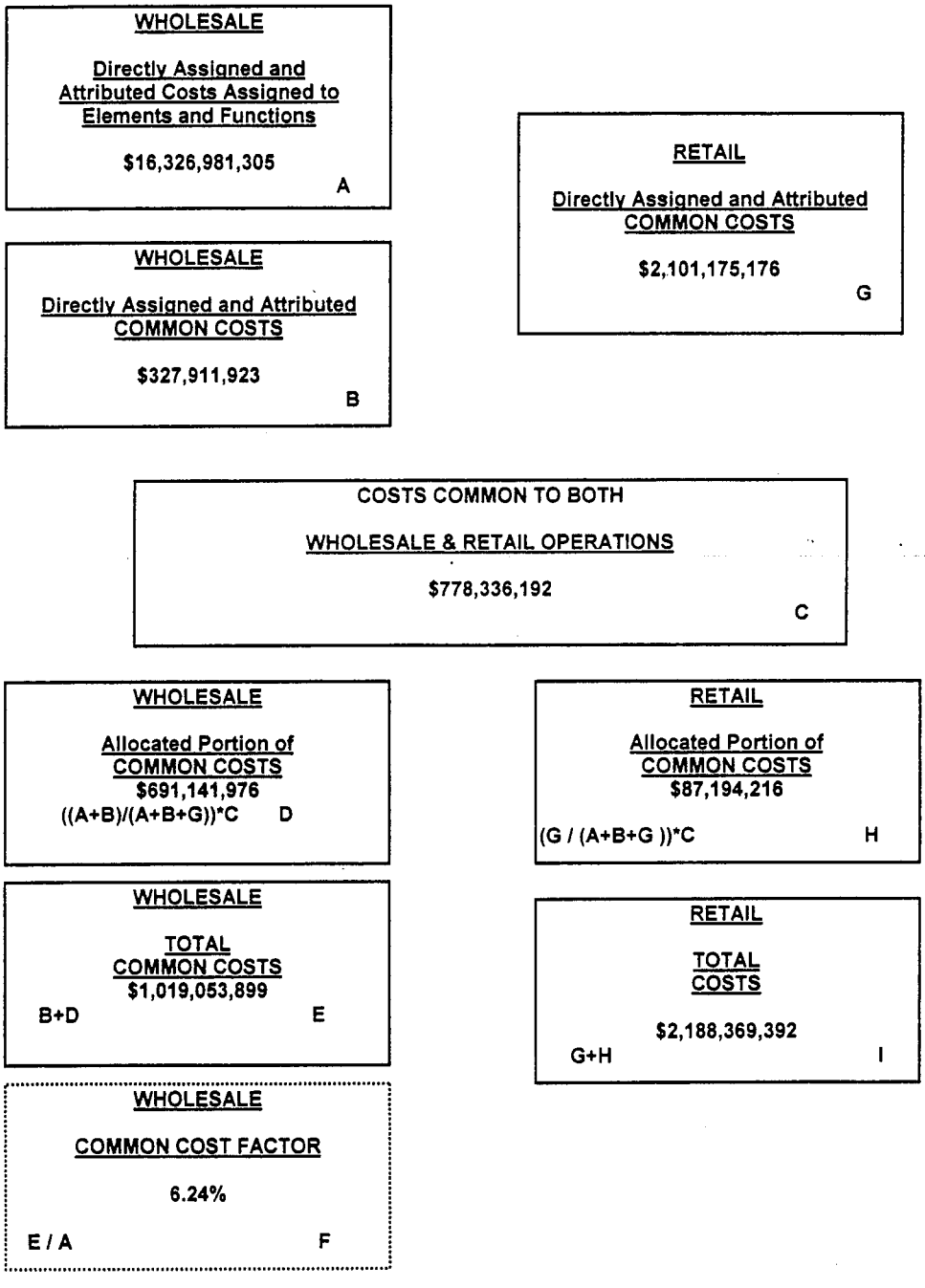
Total wholesale common costs were developed by summing the directly assigned wholesale common costs and the allocated wholesale common costs. The common cost factor was developed by dividing the total wholesale common costs by the total wholesale costs excluding the common portion (Nonrecurring costs were included with the total wholesale costs to form the denominator).

Flow Diagram of the Calculation of the Shared Cost Factors and the Common Cost Factor



CALCULATION OF COMMON COST FACTOR

Note: The amounts and percentages on this diagram are illustrative in nature and may or may not reflect the amounts or results incorporated in this filing.



Inputs To The Application

The inputs to the Shared and Common Cost Application consist of the following:

1998 regulated expenses
1998 averaged regulated investment amounts
1998 regulated salary and wage amounts
2000-2002 Expense/S&W Development Factors
Capital Cost Factors
Ad Valorem Factors
2000-2002 Investment Development Factors
Service Order Proportion Factors
Wholesale/Retail Factors for A/C 661X Marketing
Wholesale/Retail Factors for A/C 6623 Customer Services

The 1998 expense and investment data provides a foundation or template to drive the 2000-2002 projected expenses and investment to appropriate cost pool/sub pool assignments. The salary and wage (S&W) amounts are used in the apportionment processes performed by the application. The 1998 salary and wage amounts were input into the application and were utilized in appropriate salary and wage attribution bases for assigning attributable costs.

The 2000-2002 Expense/S&W Development factors that were input to the shared and common application are a reflection of the relationships of projected average annual expense for the 2000-2002 period to the actual 1998 expense amounts on an account level basis. Estimates of expenses for each of the three years in the 2000-2002 period were developed to reflect BellSouth's projected operations. These expenses were averaged and utilized in the 2000-2002 Expense/S&W factors described above.

The 2000-2002 Investment Development factors were calculated by restating the 1998 investment based on historical cost to investment based on current prices. In addition, any planned additions and retirements were considered in arriving at an investment reflecting the forward-looking costs required by the FCC. Once the investment was calculated for each year, it was averaged for the period 2000-2002. The 2000-2002 averaged investment by account was divided by the 1998 investment by account to produce the 2000-2002 Investment Development factors.

Capital Cost and Ad Valorem Factors include calculations for Depreciation, Cost of Money, Income Taxes, and Ad Valorem Taxes. The Capital Cost Calculator computes the Capital Cost factors used in the Shared and Common Cost Application. For details concerning the calculations of these factors, see the Capital Cost Calculator (Section 4) and Ad Valorem Costs (Section 5).

The Service Order Proportion factors are used to derive the non-recurring costs associated with Central Office Equipment Expenses (62XX accounts), Terminal Equipment Expenses (63XX accounts), and Cable and Wire Expenses (64XX accounts). Actual service order work hours by network related plant were retrieved and a relationship to total work hours was developed for each type of plant. The hours were extracted on a study basis. For details concerning the calculations, see Plant Specific Costs (Section 5).

The Wholesale/Retail Factors relating to Accounts 6611, 6612, 6613, and 6623 reflected an analysis of each account by cost pool/sub pool to determine the nature of the expenses and how they would be reflected in a wholesale versus retail company. The study was often carried out at a Work ID level. Based on the analysis, an assignment to wholesale or retail was specified for each cost pool/sub pool. At the conclusion of the analysis, the total wholesale portion was divided by the account total to arrive at a wholesale percentage. A similar calculation was done for determining the retail percentage.

BellSouth Shared and Common Cost Application

The BellSouth Shared and Common Cost Application is a menu driven application used in calculating the Common Cost Factor and the Shared Cost Factors. Users are guided through the process by selecting from easy to understand choices.

The user interface for the Shared and Common Cost Application allows for editing inputs, viewing reports of the outputs, examining the underlying methodology of the Application, and saving and loading edits as scenarios. The Application provides help screens and descriptions of processes to guide the user in understanding the process, creating new scenarios and reviewing the results/outputs of the process. The application processes in either of two modes. By selecting SETTINGS on the user interface main screen, the user may process the application in steps or all at once. The Batch mode processes the data without allowing the user to view results at various stages of the process. The Interactive mode allows the user to access data at various stages of the process and provides a description of the step being performed.

Worksheets supporting the development of the Shared and Common Cost Factors used in these studies are included in Appendix B.

FLORIDA DOCKET NO. 000649-TP
SECTION 6
UNBUNDLED NETWORK ELEMENT STUDIES

INTRODUCTION

This section contains descriptions of cost elements and an overview of the study process for each category of elements studied by BellSouth.

The studies included in this filing are costs associated with providing the unbundled network cost elements are identified and included in the TELRIC studies.

The following is a listing of the unbundled network cost elements provided in this filing package. Each cost element is represented by a designated cost element number that is referenced throughout the studies. Also provided is the file name of the Microsoft Excel spreadsheet in which inputs and workpapers for each element can be found. These input spreadsheets and workpapers are being furnished in electronic format only. The input spreadsheets are contained on the CD-ROM included in Appendix C. They are located under the investment sub-directory listed under each scenario.

Following this listing are narratives for each category of cost elements describing the elements, study technique, and specific study assumptions.

		File Name
J.4	**LINE SHARING SPLITTER - DATA**	Fllinesh.xls
J.4.1	Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)	Fllinesh.xls
J.4.2	Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)	Fllinesh.xls
J.4.3	Line Sharing Splitter - per Line Activation in the Central Office (LSOD)	Fllinesh.xls
J.4.4	Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)	Fllinesh.xls

J.4 LINE SHARING SPLITTER IN THE CENTRAL OFFICE (CO)
J.4.1 LINE SHARING SPLITTER, PER SYSTEM 96 LINE CAPACITY in the CO
J.4.2 LINE SHARING SPLITTER, PER SYSTEM 24 LINE CAPACITY in the CO
J.4.3 LINE SHARING SPLITTER - PER LINE ACTIVATION in the CO
J.4.4 LINE SHARING SPLITTER - PER SUBSEQUENT ACTIVITY PER LINE REARRANGEMENT

Element Description

This unbundled network element (UNE) unbundles the high frequency data portion of the local loop in the end users' serving wire center. The CLECs can use this UNE to provide xDSL-based services for their end user customers. The loop's remaining transmission frequencies continue to provide voice grade service from BellSouth. The Line Sharing Splitter in the CO UNE is provided on a two wire unloaded line side copper loop that does not exceed 18 KF. For each loop, BellSouth provides this UNE only to a single requesting carrier and only for use at the same customer address. BellSouth will not provide this UNE if BellSouth does not currently provide analog voice service to the customer. Also, if the customer terminates his voice service with BellSouth, this UNE will be disconnected for that customer. However, if the CLEC wants to continue to provide xDSL service to the end user, the CLEC may purchase the full stand-alone loop unbundled network element.

In order to unbundle the high frequency portion of the loop; a 2-wire line-side copper loop is terminated at a splitter located in the serving wire center. The splitter routes the high frequency portion of the circuit to the CLECs xDSL equipment. One splitter or passive signal filter must also be installed at the customer's premises as CPE (Customer Premises Equipment). Since the CPE is the responsibility of the customer or CLEC, the cost of the CPE is not included. BellSouth installs only the splitter in the central office.

The Line Sharing Splitter UNE consists of the following elements: (J.4.1) a per splitter system 96 line capacity and (J.4.2) a per splitter system 24 line capacity, (J4.3) a per line activation in the central office per occurrence and (J4.4) a per subsequent activity per occurrence. The system splitter consists of a 96-line or 24-line capacity for 96 or 24 individual (line) connections in the central office for line sharing. The CLEC purchases collocation cross connects to connect his xDSL equipment to the splitter frame in the central office. For CO line sharing, the CLEC must have a DSLAM unit collocated in the serving central office of the end user. The line activation in the central office provides for a connection between the collocation cross connect, the splitter and the end user loop. A line activation charge is applicable for every end user loop that connects to a splitter.

FLORIDA DOCKET NO. 000649-TP
SECTION 6
UNBUNDLED NETWORK ELEMENT STUDIES

Study Technique

Microsoft Excel spreadsheets are used to develop both recurring and nonrecurring cost analyses.

Specific Study Assumptions

- "N " Unbundled Network Elements apply.
- Loop conditioning is not included. Additional charges apply if conditioning is required.
- The CLEC will need to order collocation in the central office to go with line sharing.
- The end user calls BellSouth for problems related to voice service and calls the CLEC for problems related to data service.

FLORIDA DOCKET NO. 000649-TP
APPENDIX A

BellSouth Capital Cost Calculator

Model Description
Illustrative Example of Capital cost Calculator Calculations

BellSouth Capital Cost Calculator

The Capital Cost Calculator is a computer application designed by BellSouth that has been integrated into the BellSouth Cost Calculator model. It was developed to produce accurate and reliable capital cost component factors (depreciation, cost of money, and income taxes) in an open, understandable, and verifiable manner. BellSouth also developed an Excel spreadsheet version of the integrated Capital Cost Calculator for the purposes of illustrating and demonstrating the methodology that underlies the integrated version. Utilizing the Excel version, all BellSouth capital cost calculations may be reviewed by taking the following steps:

1. Open the Excel version of the BellSouth Capital Cost Calculator.
2. Enable Macros.
3. Using the floating toolbar, select an account. Once done, the Excel spreadsheet will be populated with data for that specific account based on user inputs.
4. All calculations within the Excel spreadsheet may then be followed.

The following provides a step by step description of the capital cost calculations in the BellSouth Capital Cost Calculator. The workbook consists of several individual worksheets (tabs) that are referenced throughout this description. The account selected (Step 3 above) for this example is the Digital Circuit Equipment-Pair Gain account.

The first tab displays the "Capital Cost Inputs". Included in this tab are the user adjustable inputs including account nonspecific financial data such as return on equity, debt rate, debt ratio, discount rate (cost of money), and income tax rate. Additionally, account specific inputs allow the user to input the economic lives, the tax lives, the future net salvages (FNS), and the Gompertz-Makeham curve shapes of each account,

The second tab displays the "MACRS Tax Tables" . These tables provide the yearly tax depreciation rates for each Recovery Class as specified by MACRS tax depreciation rules. For example, Digital Circuit Equipment-Pair Gain falls into Recovery Class 5 and the yearly tax depreciation rates are:

Year 1	.2000
Year 2	.3200
Year 3	.1920
Year 4	.1152
Year 5	.1152
Year 6	.0576
Total	1.0000

The third tab provides the "Survival Data" for Digital Circuit Equipment-Pair Gain based on the Gompertz-Makeham survival curve defined by the user input c, G, and S parameters adjusted to match the economic life of 9.0 years as input by the user. The Gompertz-Makeham survival curves are the standard approach used in the telecom industry and are approved by most state and federal regulatory bodies. These curves represent the survival pattern of telecom plant. While the curve represents the pattern of retirements, the area under the curve represents the average life of the plant. As the user adjusts the average life, we also must adjust the area under the curve. Therefore, the input curve is adjusted to match the input average life.

- Columns A and B provide survival data assuming a beginning of year (BOY) convention. For example, Year 1 begins with 100% of the investment in place. According to the survival curve, 2.89% retires in Year 1, resulting in 97.11% of the investment remaining in service at the end of Year 1.

- Columns C and D provide the same data assuming an end of year (EOY) convention.

- Column E calculates the yearly retirements (BOY convention) by subtracting Column B of the current year from Column B of the previous year. Column F calculates the yearly retirements (EOY convention) by subtracting Column D of the current year from Column D of the previous year.

- Column G determines the book depreciation rates (BOY convention) for each "life group" of the circuit account that should be recovered in each year. The methodology uses the standard/approved Equal Life Group (ELG) approach. For example, in Year 1, Column E shows that 2.89% of the investment is retired, or has a life of only one year. Therefore, Column G shows that the full amount of 2.89% of the total investment should be recovered in Year 1. In Year 2, Column E shows that 4.60% of the investment is retired (i.e., 4.60% of the investment has a 2 year life) and Column G shows that this portion of the investment with a 2 year life must be recovered in 2 years. Therefore, 2.30% of the investment is depreciated each year for two years, resulting in 2.30 * 2 = 4.60%. This methodology forms the basis for Equal Life Group (ELG) depreciation.

- Column H displays the ELG depreciation rates for each equal life group based on EOY convention.

- Columns I and J simply add up the individual surviving equal life group depreciation rates to arrive at a composite depreciation rate for each year of the study. For example, in Year 1 the depreciation rate is the sum of all individual ELG groups' depreciation rates since all life groups are surviving in Year 1. In Year 2, the investment with a one year life (2.89% of the

investment) has been retired and the composite depreciation rate for Year 2 is the sum of all equal life groups' annual depreciation rates for investment with a life of 2 years or longer. Year 3 depreciation rate is based on the sum of depreciation rates for ELG groups with surviving investment in Year 3, etc.

- BellSouth assumes a midyear investment convention. Midyear depreciation in Column K is determined as the average of Columns I (BOY) and J (EOY).

The fourth tab develops the "Capital Calculations" (BOY and EOY net investments) against which the cost of money is calculated.

- Column A displays the BOY capital. This value starts as 1 and then is equal to the amount outstanding at the end of year (Column E).

- Column B brings over the midyear ELG depreciation rate per year calculated in Column K of Tab 3 "Survival Data". The depreciation rate is then multiplied by the total capital investment that needs to be recovered. This total capital investment is adjusted to include the need to recognize the value of the future net salvage (FNS). The formula is as follows:

  Midyear ELG Depreciation times (1 less the future net salvage percent). The FNS is input by the user in Tab 1 "Capital Cost Inputs".

- Column C brings over the yearly tax depreciation rate for circuit equipment (Recovery Class 5) from Tab 2 " MACRS Tax Tables".

- Column D, Deferred Tax, is calculated as: Tax Depreciation (Column C) less Book Depreciation (Column B) times Income Tax Rate.

- Column E calculates the yearly EOY capital balance. This balance recognizes the deferred tax balance that is available to the company from "normalizing" their deferred taxes. However, this balance is assumed to have a 0% rate of return (therefore we can remove it from the capital amount the company has invested). This EOY capital is calculated as: BOY Capital (Column A) less Book Depreciation (Column B) less Deferred Tax (Column D).

The fifth tab, "Capital Costs", completes the development of the annual capital cost factors for book depreciation, cost of money, and income taxes.

- Column A, Average Capital, is used as the basis against which cost of money calculations are made. From Tab 4, the Beginning of Period Capital (Column A) and End of Period Capital (Column E) are averaged to develop the Average Capital per year.

- Column B, Book Depreciation, is simply brought forward from the Book Depreciation (Column B) in Tab 4.

- Column C, Return on Capital, is calculated as the Average Capital (Column A) times the Discount Rate (Cost of Money) of 11.25% from Tab 1.

- Column D, Return on Equity, is necessary to determine income taxes. Return on Equity is calculated as Average Capital (Column A) times the portion of capital associated with equity (1 less the debt ratio from Tab 1 times return on equity (from Tab 1).

- Column E, Grossed-Up Income Tax, is calculated as Return on Equity (Column D) times the Composite Income Tax Rate from Tab 1 divided by 1 minus the Composite Income Tax Rate.

Please keep in mind that under midyear convention, the first year values need to recognize that the capital is only on the books for ½ of a year.

Tab 5 also displays the capital cost factors for each year that plant survives based on the adjusted survival curves for the plant account. In order to develop a set of levelized annual cost factors, two steps are necessary. First, the net present value (NPV) of the annual streams of Columns B through E is calculated using a discount rate equal to the cost of money. Second, the NPV is spread back out over the economic life of the plant account using a midyear convention approach to arrive at a set of levelized annual cost factors for book depreciation, return on capital, and income taxes.

The sixth tab "Annual Charge Factors" displays the levelized capital cost factors and their component pieces cost of money, depreciation, and income taxes) that are then applied to investments as calculated by the BellSouth Cost Calculator for all accounts to determine annual capital costs.

The integrated Capital Cost Calculator also allows the user to view both the methodology and the development of the capital costs associated with a particular account. From the integrated Capital Cost Calculator application select "View", "Methodology", "Details" and then the specific account that you want to review. Then simply follow the prompts to review the step-by-step development of capital costs associated with the specific account. The integrated Capital Cost Calculator is also equipped with a user-friendly help screen feature.

FLORIDA DOCKET NO. 000649-TP
APPENDIX A

EXCEL VERSION OF CAPITAL COST CALCULATOR 9 PAGES

Capital Cost Inputs

Description	Value	Data Name
Financial Data		
ReturnOnEquity	14.08%	Return on Equity
DebtRate	7.00%	Debt Rate
DebtRatio	40.00%	Debt Ratio
Discount Rate (Cost Of Money)	11.25%	Discount Rate
Tax Data		
Income Tax Rate	38.71%	Income Tax Rate
Tax Depreciation		
TaxMethod		Method
TaxConvention		Convention
TaxFlowThrough		Flow Thru Normalization
Book		
Book Survival Curves	CG&S	Use Survival Curves
BookConvention	Mid Year	Convention
BookELG_VG	ELG	ELG / VG
BookWL_RL	Remaining Life	WL / RL

Specific Account Inputs

Account	Economic Life (years)	Tax Life (years)	Future Net Salvage (percent)	Survival Curve	Company E	Company G	Company S
Aerial Cable - Metallic-Building Entrance	15.0	15	-14%	CG&S	1.0400000	-0.09358568	0.00153213
Aerial Cable - Metallic-Other	15.0	15	-14%	CG&S	1.0400000	-0.09358568	0.00153213
Aerial Cable - Non-Metallic-Building Entrance	20.0	15	-14%	CG&S	1.0400000	-0.09358568	0.00153213
Aerial Cable - Non-Metallic-Other	20.0	15	-14%	CG&S	1.0400000	-0.09358568	0.00153213
Analog Circuit Equipment-Other	7.5	15	0%	CG&S	0.9900000	-10.40017300	-0.11857001
Analog Circuit Equipment-Pair Gain	7.5	15	0%	CG&S	0.9900000	-10.40017300	-0.11857001
Analog Electronic Switching System	1.6	15	0%	CG&S	1.1333974	-0.21745512	0.02396884
Buildings	45.0	39	0%	CG&S	1.1842870	-0.10145000	0.01557700
Buried Cable - Metallic	15.0	15	-7%	CG&S	1.0400000	-0.10704312	0.00350758
Buried Cable - Non-Metallic	20.0	15	-7%	CG&S	1.0400000	-0.10704312	0.00350758
Conduit Systems	55.0	15	-10%	CG&S	1.7162960	-0.00114600	0.00038200
Corporate Communications Equipment	7.0	5	10%	CG&S	1.1024940	-0.33410041	0.02401188
Digital Circuit Equipment-DDS	8.0	5	2%	CG&S	0.9900000	-37.13714100	-0.37162048
Digital Circuit Equipment-Other	9.0	5	0%	CG&S	0.9600000	-0.78794871	-0.03526985
Digital Circuit Equipment-Pair Gain	9.0	5	0%	CG&S	0.9600000	-0.78794871	-0.03526985
Digital Electronic Switching System	10.0	5	0%	CG&S	1.1333974	-0.21745512	0.02396884
Furniture	15.0	7	10%	CG&S	0.7300000	-0.20379925	-0.03679818
Garage Work Equipment	12.0	10	0%	CG&S	0.6900000	-0.09722504	-0.02917732
General Purpose Computers-Centralized	4.5	5	2%	CG&S	0.8000000	-0.42437848	-0.09595316
General Purpose Computers-Other	4.5	5	2%	CG&S	0.8000000	-0.42437848	-0.09595316
Intangibles - General Purpose Software RTU	5.0	3	0%	square life	0.0000000	0.00000000	0.00000000
Intangibles - Network Circuit Software RTU	3.0	3	0%	square life	0.0000000	0.00000000	0.00000000
Intangibles - Network Software Other RTU	3.0	3	0%	square life	0.0000000	0.00000000	0.00000000
Intangibles - Network Switch Software RTU	3.0	3	0%	square life	0.0000000	0.00000000	0.00000000
Intangibles - Operator Services Software RTU	3.0	3	0	square life	0.0000000	0.00000000	0.00000000
Intrabuilding Network Cable - Non-Metallic	20.0	15	-10%	CG&S	1.0400000	-0.09358568	0.00153213
Intrabuilding Network Cable- Metallic	20.0	15	-10%	CG&S	1.0400000	-0.09358568	0.00153213
Land	98.0	0	0%	square life	0.0000000	0.00000000	0.00000000
Large PBX	6.0	15	5%	CG&S	1.1842870	-0.10145000	0.01557700
Motor Vehicles	8.0	5	16%	CG&S	1.6400000	-0.00230922	-0.00174928
Office Support Equipment	11.5	5	5%	CG&S	0.9900000	-83.13056300	-0.84332106
Operator Systems	10.0	15	0%	CG&S	1.1333974	-0.21745512	0.02396884
Other Terminal Equipment	6.0	15	5%	CG&S	1.1842870	-0.10145000	0.01557700
Other Work Equipment	15.0	10	0%	CG&S	0.8300000	-0.38694495	-0.12240424
Poles	36.0	15	-55%	CG&S	1.0300000	-0.04638575	-0.00299707
Radio Systems	9.0	15	-5%	CG&S	1.0100000	-7.05305100	0.02151467
Special Purpose Vehicles	7.0	5	0%	CG&S	1.7162960	-0.00114600	0.00038200
Station Apparatus-Other	6.0	15	5%	CG&S	1.1842870	-0.10145000	0.01557700
Station Apparatus-Regular	6.0	15	5%	CG&S	1.1842870	-0.10145000	0.01557700
Submarine Cable - Metallic	15.0	15	-5%	CG&S	1.0400000	-0.10704312	0.00350758
Submarine Cable - Non-Metallic	15.0	15	-5%	CG&S	1.0400000	-0.10704312	0.00350758
Underground Cable - Metallic	14.0	15	-8%	CG&S	1.1024940	-0.33410041	0.02401188
Underground Cable - Non-Metallic	20.0	15	-8%	CG&S	1.1024940	-0.33410041	0.02401188

MACRS Tax Tables

Recovery Class		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13
0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	3	0.3333	0.4445	0.1481	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	5	0.2000	0.3200	0.1920	0.1152	0.1152	0.0576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	7	0.1429	0.2449	0.1749	0.1249	0.0893	0.0892	0.0893	0.0446	0.0000	0.0000	0.0000	0.0000	0.0000
10	10	0.1000	0.1800	0.1440	0.1152	0.0922	0.0737	0.0655	0.0655	0.0656	0.0655	0.0328	0.0000	0.0000
15	15	0.0500	0.0950	0.0855	0.0770	0.0693	0.0623	0.0590	0.0590	0.0591	0.0590	0.0591	0.0590	0.0590
20	20	0.0375	0.0722	0.0668	0.0617	0.0571	0.0529	0.0489	0.0452	0.0446	0.0446	0.0446	0.0446	0.0446
39	39	0.0128	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256

MACRS Tax Tables **MACRS Tax Tables**

Recovery Class		Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21	Year 22	Year 23	Year 24	Year 25	Year 26
0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	15	0.0590	0.0590	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	20	0.0446	0.0446	0.0446	0.0446	0.0446	0.0446	0.0446	0.0225	0.0000	0.0000	0.0000	0.0000	0.0000
39	39	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.02564	0.02564	0.02564	0.02564	0.02564	0.02564

MACRS Tax Tables

Recovery Class		Year 27	Year 28	Year 29	Year 30	Year 31	Year 32	Year 33	Year 34	Year 35	Year 36	Year 37	Year 38	Year 39
0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	39	0.02564	0.02564	0.02564	0.02564	0.02564	0.02564	0.02564	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256

MACRS Tax Tables

Recovery Class		Year 40	Year 41	Year 42	Year 43	Year 44	Year 45	Year 46	Year 47	Year 48	Year 49	Year 50
0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	39	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Survival Calculations for Capital Costs
Digital Circuit Equipment-Pair Gain

Gompertz Makeham				Converted C.G.S	
c	0.96000000	Econ. Life	9.0	c'	0.89718524
G	-0.78794871	Surv Curve	CG&S	G'	-0.78794871
S	-0.03526985			S'	-0.09373696

Survival Calculations for Capital Costs
Digital Circuit Equipment-Pair Gain

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Year	BOY, Beginning of Year Survival Rate	BOY, End of Year Survival Rate	EOY, Beginning of Year Survival Rate	EOY, End of Year Survival Rate	BOY, Yearly Retirements	EOY, Yearly Retirements	BOY, Yearly Retirement per Year Depreciation	EOY, Yearly Retirement per Year Depreciation	BOY, ELG Depreciation	EOY, ELG Depreciation	MIDYear, ELG Depreciation		BOY, NPV Factor	EOY, NPV Factor	MidYear, NPV Factor	Unadjusted Survival Curve	Original Service Life/Required Service Life
													5.484	4.929	5.206		
1	1.0000	0.9711	0.0000	1.0000	0.0289	0.0000	0.0289	0.0000	0.1732	0.0000	0.0866		1	0	0.5	0.99140	2.65771
2	0.9711	0.9252	1.0000	0.9711	0.0460	0.0289	0.0230	0.0289	0.1443	0.1732	0.1588		1	1	1	0.98002	
3	0.9252	0.8664	0.9711	0.9252	0.0588	0.0460	0.0196	0.0230	0.1213	0.1443	0.1328		1	1	1	0.96608	
4	0.8664	0.7988	0.9252	0.8664	0.0675	0.0588	0.0169	0.0196	0.1017	0.1213	0.1115		1	1	1	0.94979	
5	0.7988	0.7265	0.8664	0.7988	0.0724	0.0675	0.0145	0.0169	0.0849	0.1017	0.0933		1	1	1	0.93138	
6	0.7265	0.6525	0.7988	0.7265	0.0740	0.0724	0.0123	0.0145	0.0704	0.0849	0.0776		1	1	1	0.91108	
7	0.6525	0.5795	0.7265	0.6525	0.0729	0.0740	0.0104	0.0123	0.0581	0.0704	0.0642		1	1	1	0.88911	
8	0.5795	0.5096	0.6525	0.5795	0.0699	0.0729	0.0087	0.0104	0.0476	0.0581	0.0528		1	1	1	0.86571	
9	0.5096	0.4442	0.5795	0.5096	0.0655	0.0699	0.0073	0.0087	0.0389	0.0476	0.0433		1	1	1	0.84108	
10	0.4442	0.3840	0.5096	0.4442	0.0602	0.0655	0.0060	0.0073	0.0316	0.0389	0.0353		0	1	0.5	0.81545	
11	0.3840	0.3296	0.4442	0.3840	0.0544	0.0602	0.0049	0.0060	0.0256	0.0316	0.0286		0	0	0	0.78901	
12	0.3296	0.2810	0.3840	0.3296	0.0485	0.0544	0.0040	0.0049	0.0207	0.0256	0.0231		0	0	0	0.76195	
13	0.2810	0.2383	0.3296	0.2810	0.0428	0.0485	0.0033	0.0040	0.0166	0.0207	0.0186		0	0	0	0.73446	
14	0.2383	0.2010	0.2810	0.2383	0.0373	0.0428	0.0027	0.0033	0.0133	0.0166	0.0150		0	0	0	0.70670	
15	0.2010	0.1687	0.2383	0.2010	0.0323	0.0373	0.0022	0.0027	0.0107	0.0133	0.0120		0	0	0	0.67884	
16	0.1687	0.1410	0.2010	0.1687	0.0277	0.0323	0.0017	0.0022	0.0085	0.0107	0.0096		0	0	0	0.65100	
17	0.1410	0.1174	0.1687	0.1410	0.0236	0.0277	0.0014	0.0017	0.0068	0.0085	0.0076		0	0	0	0.62332	
18	0.1174	0.0975	0.1410	0.1174	0.0200	0.0236	0.0011	0.0014	0.0054	0.0068	0.0061		0	0	0	0.59592	
19	0.0975	0.0807	0.1174	0.0975	0.0168	0.0200	0.0009	0.0011	0.0043	0.0054	0.0048		0	0	0	0.56890	
20	0.0807	0.0666	0.0975	0.0807	0.0141	0.0168	0.0007	0.0009	0.0034	0.0043	0.0038		0	0	0	0.54235	
21	0.0666	0.0548	0.0807	0.0666	0.0118	0.0141	0.0006	0.0007	0.0027	0.0034	0.0030		0	0	0	0.51634	
22	0.0548	0.0450	0.0666	0.0548	0.0098	0.0118	0.0004	0.0006	0.0021	0.0027	0.0024		0	0	0	0.49095	
23	0.0450	0.0369	0.0548	0.0450	0.0081	0.0098	0.0004	0.0004	0.0017	0.0021	0.0019		0	0	0	0.46624	
24	0.0369	0.0302	0.0450	0.0369	0.0067	0.0081	0.0003	0.0004	0.0013	0.0017	0.0015		0	0	0	0.44225	
25	0.0302	0.0247	0.0369	0.0302	0.0055	0.0067	0.0002	0.0003	0.0011	0.0013	0.0012		0	0	0	0.41901	
26	0.0247	0.0201	0.0302	0.0247	0.0045	0.0055	0.0002	0.0002	0.0008	0.0011	0.0009		0	0	0	0.39657	
27	0.0201	0.0164	0.0247	0.0201	0.0037	0.0045	0.0001	0.0002	0.0007	0.0008	0.0007		0	0	0	0.37493	
28	0.0164	0.0134	0.0201	0.0164	0.0031	0.0037	0.0001	0.0001	0.0005	0.0007	0.0006		0	0	0	0.35412	
29	0.0134	0.0109	0.0164	0.0134	0.0025	0.0031	0.0001	0.0001	0.0004	0.0005	0.0005		0	0	0	0.33414	
30	0.0109	0.0088	0.0134	0.0109	0.0020	0.0025	0.0001	0.0001	0.0003	0.0004	0.0004		0	0	0	0.31500	
31	0.0088	0.0072	0.0109	0.0088	0.0017	0.0020	0.0001	0.0001	0.0003	0.0003	0.0003		0	0	0	0.29669	
32	0.0072	0.0058	0.0088	0.0072	0.0014	0.0017	0.0000	0.0001	0.0002	0.0003	0.0002		0	0	0	0.27920	
33	0.0058	0.0047	0.0072	0.0058	0.0011	0.0014	0.0000	0.0000	0.0002	0.0002	0.0002		0	0	0	0.26254	
34	0.0047	0.0038	0.0058	0.0047	0.0009	0.0011	0.0000	0.0000	0.0001	0.0002	0.0001		0	0	0	0.24667	
35	0.0038	0.0031	0.0047	0.0038	0.0007	0.0009	0.0000	0.0000	0.0001	0.0001	0.0001		0	0	0	0.23158	
36	0.0031	0.0025	0.0038	0.0031	0.0006	0.0007	0.0000	0.0000	0.0001	0.0001	0.0001		0	0	0	0.21727	
37	0.0025	0.0020	0.0031	0.0025	0.0005	0.0006	0.0000	0.0000	0.0001	0.0001	0.0001		0	0	0	0.20369	
38	0.0020	0.0016	0.0025	0.0020	0.0004	0.0005	0.0000	0.0000	0.0000	0.0001	0.0001		0	0	0	0.19084	
39	0.0016	0.0013	0.0020	0.0016	0.0003	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.17868	
40	0.0013	0.0011	0.0016	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.16719	
41	0.0011	0.0009	0.0013	0.0011	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.15635	
42	0.0009	0.0007	0.0011	0.0009	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.14613	
43	0.0007	0.0006	0.0009	0.0007	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.13651	
44	0.0006	0.0005	0.0007	0.0006	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.12745	
45	0.0005	0.0004	0.0006	0.0005	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.11893	
46	0.0004	0.0003	0.0005	0.0004	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.11093	
47	0.0003	0.0002	0.0004	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.10342	
48	0.0002	0.0002	0.0003	0.0002	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.09637	
49	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.08977	
50	0.0002	0.0001	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.08358	
51	0.0001	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.07779	
52	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.07238	
53	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.06731	
54	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.06258	
55	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.05816	
56	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.05404	
57	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.05020	
58	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.04661	
59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.04327	
60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0	0	0	0.04015	

Capital Calculations
Digital Circuit Equipment-Pair Gain

Econ Life=	9.0
FNS=	0%
Tax Life=	5
Convention	Mid Year

	A	B	C	D	E
Year	Beginning of Period Capital	Book Depreciation	Tax Depreciation	Deferred Tax	End of Period Capital
Total		1.0000	1.0000	0.0000	
1	1.0000	0.0866	0.2000	0.0439	0.8695
2	0.8695	0.1588	0.3200	0.0624	0.6483
3	0.6483	0.1328	0.1920	0.0229	0.4926
4	0.4926	0.1115	0.1152	0.0014	0.3796
5	0.3796	0.0933	0.1152	0.0085	0.2779
6	0.2779	0.0776	0.0576	-0.0077	0.2080
7	0.2080	0.0642	0.0000	-0.0249	0.1686
8	0.1686	0.0528	0.0000	-0.0205	0.1363
9	0.1363	0.0433	0.0000	-0.0167	0.1097
10	0.1097	0.0353	0.0000	-0.0136	0.0881
11	0.0881	0.0286	0.0000	-0.0111	0.0706
12	0.0706	0.0231	0.0000	-0.0090	0.0564
13	0.0564	0.0186	0.0000	-0.0072	0.0450
14	0.0450	0.0150	0.0000	-0.0058	0.0358
15	0.0358	0.0120	0.0000	-0.0046	0.0285
16	0.0285	0.0096	0.0000	-0.0037	0.0226
17	0.0226	0.0076	0.0000	-0.0030	0.0179
18	0.0179	0.0061	0.0000	-0.0024	0.0142
19	0.0142	0.0048	0.0000	-0.0019	0.0112
20	0.0112	0.0038	0.0000	-0.0015	0.0089
21	0.0089	0.0030	0.0000	-0.0012	0.0070
22	0.0070	0.0024	0.0000	-0.0009	0.0056
23	0.0056	0.0019	0.0000	-0.0007	0.0044
24	0.0044	0.0015	0.0000	-0.0006	0.0035
25	0.0035	0.0012	0.0000	-0.0005	0.0027
26	0.0027	0.0009	0.0000	-0.0004	0.0022
27	0.0022	0.0007	0.0000	-0.0003	0.0017
28	0.0017	0.0006	0.0000	-0.0002	0.0013
29	0.0013	0.0005	0.0000	-0.0002	0.0011
30	0.0011	0.0004	0.0000	-0.0001	0.0008
31	0.0008	0.0003	0.0000	-0.0001	0.0007
32	0.0007	0.0002	0.0000	-0.0001	0.0005
33	0.0005	0.0002	0.0000	-0.0001	0.0004
34	0.0004	0.0001	0.0000	-0.0001	0.0003
35	0.0003	0.0001	0.0000	0.0000	0.0003
36	0.0003	0.0001	0.0000	0.0000	0.0002
37	0.0002	0.0001	0.0000	0.0000	0.0002
38	0.0002	0.0001	0.0000	0.0000	0.0001
39	0.0001	0.0000	0.0000	0.0000	0.0001
40	0.0001	0.0000	0.0000	0.0000	0.0001
41	0.0001	0.0000	0.0000	0.0000	0.0001
42	0.0001	0.0000	0.0000	0.0000	0.0001
43	0.0001	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000		0.0000	0.0000
54	0.0000	0.0000		0.0000	0.0000
55	0.0000	0.0000		0.0000	0.0000
56	0.0000	0.0000		0.0000	0.0000
57	0.0000	0.0000		0.0000	0.0000
58	0.0000	0.0000		0.0000	0.0000
59	0.0000	0.0000		0.0000	0.0000
60	0.0000	0.0000		0.0000	0.0000

Cost of Capital (Annual)
Digital Circuit Equipment-Pair Gain

Rate of Return	11.25%	Debt Ratio	40.00%	Discount Rate	11.25%
Cost of Debt	7.00%	Income Tax	38.71%	Convention	Mid Year

	A	B	C	D	E
Year	Average Capital	Book Depreciation	Return on Capital	Return on Equity (Income)	Grossed Up Income Tax
NPV		0.5846	0.2555	0.1919	0.1212
LAV		0.1123	0.0491	0.0369	0.0233
1	0.9348	0.0866	0.0526	0.0395	0.0249
2	0.7589	0.1588	0.0854	0.0641	0.0405
3	0.5705	0.1328	0.0642	0.0482	0.0304
4	0.4361	0.1115	0.0491	0.0368	0.0233
5	0.3288	0.0933	0.0370	0.0278	0.0175
6	0.2429	0.0776	0.0273	0.0205	0.0130
7	0.1883	0.0642	0.0212	0.0159	0.0100
8	0.1524	0.0528	0.0171	0.0129	0.0081
9	0.1230	0.0433	0.0138	0.0104	0.0066
10	0.0989	0.0353	0.0056	0.0042	0.0026
11	0.0794	0.0286	0.0000	0.0000	0.0000
12	0.0635	0.0231	0.0000	0.0000	0.0000
13	0.0507	0.0186	0.0000	0.0000	0.0000
14	0.0404	0.0150	0.0000	0.0000	0.0000
15	0.0322	0.0120	0.0000	0.0000	0.0000
16	0.0256	0.0096	0.0000	0.0000	0.0000
17	0.0203	0.0076	0.0000	0.0000	0.0000
18	0.0161	0.0061	0.0000	0.0000	0.0000
19	0.0127	0.0048	0.0000	0.0000	0.0000
20	0.0101	0.0038	0.0000	0.0000	0.0000
21	0.0080	0.0030	0.0000	0.0000	0.0000
22	0.0063	0.0024	0.0000	0.0000	0.0000
23	0.0050	0.0019	0.0000	0.0000	0.0000
24	0.0039	0.0015	0.0000	0.0000	0.0000
25	0.0031	0.0012	0.0000	0.0000	0.0000
26	0.0024	0.0009	0.0000	0.0000	0.0000
27	0.0019	0.0007	0.0000	0.0000	0.0000
28	0.0015	0.0006	0.0000	0.0000	0.0000
29	0.0012	0.0005	0.0000	0.0000	0.0000
30	0.0010	0.0004	0.0000	0.0000	0.0000
31	0.0008	0.0003	0.0000	0.0000	0.0000
32	0.0006	0.0002	0.0000	0.0000	0.0000
33	0.0005	0.0002	0.0000	0.0000	0.0000
34	0.0004	0.0001	0.0000	0.0000	0.0000
35	0.0003	0.0001	0.0000	0.0000	0.0000
36	0.0002	0.0001	0.0000	0.0000	0.0000
37	0.0002	0.0001	0.0000	0.0000	0.0000
38	0.0001	0.0001	0.0000	0.0000	0.0000
39	0.0001	0.0000	0.0000	0.0000	0.0000
40	0.0001	0.0000	0.0000	0.0000	0.0000
41	0.0001	0.0000	0.0000	0.0000	0.0000
42	0.0001	0.0000	0.0000	0.0000	0.0000
43	0.0001	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000	0.0000

Account Capital Cost (Annual Basis)

Account	Economic Life (years)	Cost Of Money (Return)	Depreciation	Income Taxes	Total Capital Cost Rate
Aerial Cable - Metallic-Building Entrance	15.0	0.0669	0.0775	0.0317	0.1761
Aerial Cable - Metallic-Other	15.0	0.0669	0.0775	0.0317	0.1761
Aerial Cable - Non-Metallic-Building Entrance	20.0	0.0665	0.0600	0.0316	0.1581
Aerial Cable - Non-Metallic-Other	20.0	0.0665	0.0600	0.0316	0.1581
Analog Circuit Equipment-Other	7.5	0.0674	0.1343	0.0320	0.2337
Analog Circuit Equipment-Pair Gain	7.5	0.0674	0.1343	0.0320	0.2337
Analog Electronic Switching System	1.6	0.0824	0.6041	0.0391	0.7255
Buildings	45.0	0.0893	0.0210	0.0424	0.1526
Buried Cable - Metallic	15.0	0.0675	0.0719	0.0320	0.1714
Buried Cable - Non-Metallic	20.0	0.0673	0.0552	0.0319	0.1544
Conduit Systems	55.0	0.0823	0.0118	0.0390	0.1332
Corporate Communications Equipment	7.0	0.0524	0.1262	0.0249	0.2035
Digital Circuit Equipment-DDS	8.0	0.0512	0.1213	0.0243	0.1968
Digital Circuit Equipment-Other	9.0	0.0491	0.1123	0.0233	0.1846
Digital Circuit Equipment-Pair Gain	9.0	0.0491	0.1123	0.0233	0.1846
Digital Electronic Switching System	10.0	0.0513	0.0986	0.0244	0.1743
Furniture	15.0	0.0524	0.0632	0.0248	0.1404
Garage Work Equipment	12.0	0.0552	0.0882	0.0262	0.1697
General Purpose Computers-Centralized	4.5	0.0561	0.2123	0.0266	0.2950
General Purpose Computers-Other	4.5	0.0561	0.2123	0.0266	0.2950
Intangibles - General Purpose Software RTU	5.0	0.0484	0.2000	0.0230	0.2713
Intangibles - Network Circuit Software RTU	3.0	0.0525	0.3333	0.0249	0.4107
Intangibles - Network Software Other RTU	3.0	0.0525	0.3333	0.0249	0.4107
Intangibles - Network Switch Software RTU	3.0	0.0525	0.3333	0.0249	0.4107
Intangibles - Operator Services Software RTU	3.0	0.0525	0.3333	0.0249	0.4107
Intrabuilding Network Cable - Non-Metallic	20.0	0.0665	0.0579	0.0316	0.1560
Intrabuilding Network Cable- Metallic	20.0	0.0665	0.0579	0.0316	0.1560
Land	98.0	0.1125	0.0000	0.0534	0.1658
Large PBX	6.0	0.0727	0.1539	0.0345	0.2611
Motor Vehicles	8.0	0.0540	0.1015	0.0256	0.1811
Office Support Equipment	11.5	0.0498	0.0832	0.0236	0.1567
Operator Systems	10.0	0.0693	0.0986	0.0329	0.2007
Other Terminal Equipment	6.0	0.0727	0.1539	0.0345	0.2611
Other Work Equipment	15.0	0.0552	0.0718	0.0262	0.1532
Poles	36.0	0.0723	0.0439	0.0343	0.1504
Radio Systems	9.0	0.0647	0.1209	0.0307	0.2163
Special Purpose Vehicles	7.0	0.0552	0.1378	0.0262	0.2192
Station Apparatus-Other	6.0	0.0727	0.1539	0.0345	0.2611
Station Apparatus-Regular	6.0	0.0727	0.1539	0.0345	0.2611
Submarine Cable - Metallic	15.0	0.0675	0.0705	0.0320	0.1701
Submarine Cable - Non-Metallic	15.0	0.0675	0.0705	0.0320	0.1701
Underground Cable - Metallic	14.0	0.0668	0.0786	0.0317	0.1771
Underground Cable - Non-Metallic	20.0	0.0662	0.0573	0.0314	0.1549

FLORIDA DOCKET NO. 000649-TP
APPENDIX B

The following worksheets showing the calculations associated with loadings and factors development discussed in Section 5 are included in this Appendix. These files are being furnished in electronic format only.

Loadings and Factors	File Name
1. TPI's/Levelized Inflation Factors	InflnLv2.xls
2. Inplant Factors – COE	IPlntCOE.xls
3. Inplant Factors – OSP	IPlantOSP.xls
4. Plug-in Factors – Hard-wired Factors	HWPI98CL.xls
5. Supporting Equipment & Power Loadings	ComPwr.xls
6. Plant Specific, Land and Building Loadings Pole and Conduit Loadings	PLSP99Ey.xls
7. Ad Valorem and Other Taxes	98AdVals.xls
8. Gross receipts Tax	99stuse3.xls
9. Income Taxes, State and Federal	Taxes9~2.xls
10. Disconnect Factors	Discon99.xls
11. Labor Rates	99Lab_.xls
12. Right To Use Development Factor	rtu560c2.xls

Shared & Common Related Files:	File Name
1. Projected Expenses for 1999	EXPPRJ00.XLS EXPPRJ00.DOC
2. Summary of the Shared & Common Factors	S&CSUM00.XLS
3. Average Projected investment: 2000 - 2002	INVPRJ00.XLS
4. Expense Development Factors	EXPDVF00.XLS
5. Investment Development Factors	INVDVF00.XLS
6. Service Order Proportion Factors	SVCORD00.XLS
7. Wholesale/Retail Factors for Account 6611	6611SC00.XLS
8. Wholesale/Retail Factors for Account 6612	6612SC00.XLS
9. Wholesale/Retail Factors for Account 6613	6613SC00.XLS
10. Wholesale/Retail Factors for Account 6623	6623SC00.XLS

FLORIDA DOCKET NO. 000649-TP
APPENDIX C

This appendix contains the following:

1. BellSouth Cost Calculator application requirements and loading instructions.

2. BellSouth Cost Calculator User Guide (Electronic format only)

3. Compact Disk containing electronic copies of filing, models, spreadsheets and instructions (Proprietary and Nonproprietary)

APPLICATION REQUIREMENTS AND LOADING INSTRUCTIONS

For this filing the following requirements apply to the BellSouth Cost Calculator and supporting applications. Please refer to the BellSouth Telecommunications Loop Model User Guide for BSTLM application requirements and loading instructions.

Operating system platforms:

Windows 95
Windows 98
Windows NT 4.0

Hardware:

Your computer should be adequately configured to run Windows 95/98/NT 4.0. Performance will vary depending on the processor and random access memory (RAM) installed in your computer. Below are the minimum hardware requirements:

CPU:	Pentium 166 MHz (Due to the size of this filing, a Pentium 450MHz is recommended.)
RAM:	64 MB recommended
Disk:	Temporary installation files (approximately 35 MB) Applications (approximately 40 MB if all components installed) Scenario requirements will vary but due to the size of this filing, it is recommended that 1 GB be available.
Printer:	If you would like to print reports, your computer must be connected to a printer.

Software:

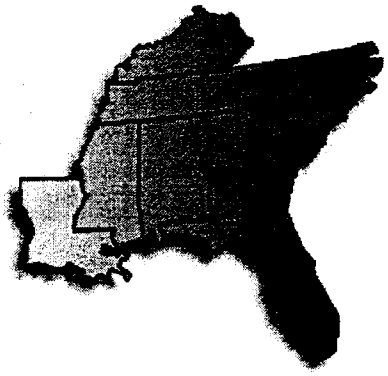
Microsoft Excel 97 or higher

Installing The BellSouth Cost Calculator

1. Verify that you have the required amount of disk space available as detailed in the Application Requirements above.

2. Place the BellSouth Cost Calculator CD-ROM into the CD-ROM drive on your PC. Open Windows Explorer and locate the **setup.exe** file on the CD-ROM drive. Double-click **setup.exe**. The BellSouth Cost Calculator will automatically load. A User Guide will be included in the load but a copy is also included in this appendix.

BELLSOUTH



Cost Calculator

User Guide Version 2.4

Table of Contents

Application Requirements

Operating System:

The BellSouth Cost Calculator and supporting applications are designed to run on the following operating system platforms:

Windows 95/98
Windows NT 4.0

Hardware:

Your computer should be adequately configured to run Windows 95/98/NT 4.0. Performance will vary depending on the processor and random access memory (RAM) installed in your computer. Below are the minimum hardware requirements:

CPU:	Pentium 166 MHz (Pentium II or III recommended)
RAM:	32 MB (64 MB recommended)
Disk:	Applications (approximately 40 MB if all components installed) Scenarios (variable)
Printer:	If you would like to print reports, your computer must be connected to a printer.

Software:

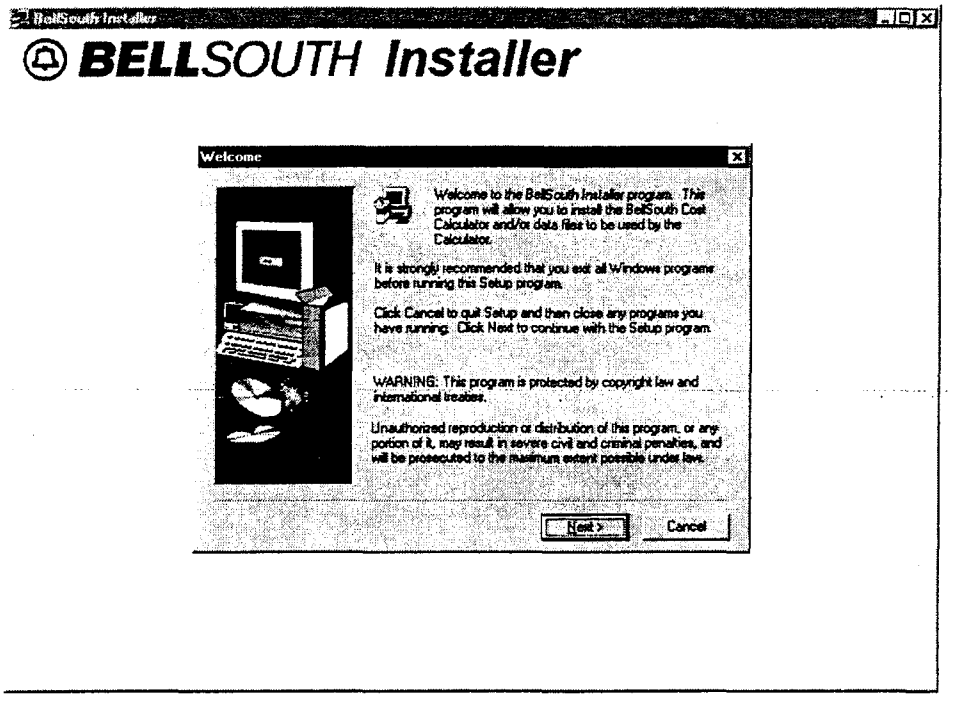
Microsoft Excel 95 or higher

Installing BellSouth Cost Calculator

1. Verify that you have the required amount of disk space available as detailed in the ***Application Requirements*** topic.

2. Insert the BellSouth Cost Calculator CD-ROM into the CD-ROM drive on your PC. To start the installation, open Windows Explorer and locate the **setup.exe** file on the CD-ROM drive. Double-click **setup.exe**.

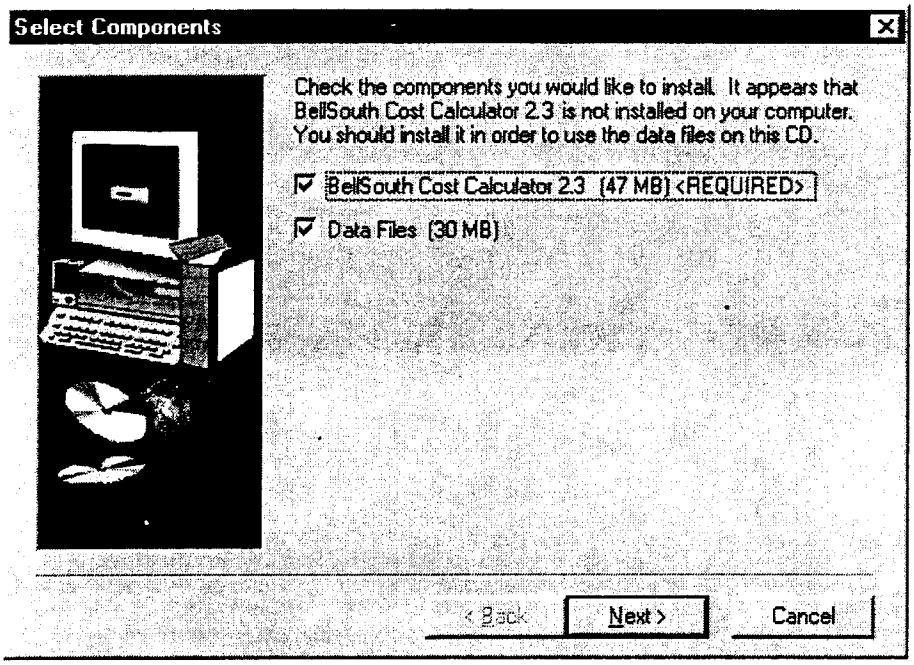
3. The following screen will be displayed:



Click **Next** to continue the installation or **Cancel** to abort the installation.

Installing BellSouth Cost Calculator

4. You will be prompted for the components to install:



There will be one or more components available for selection:

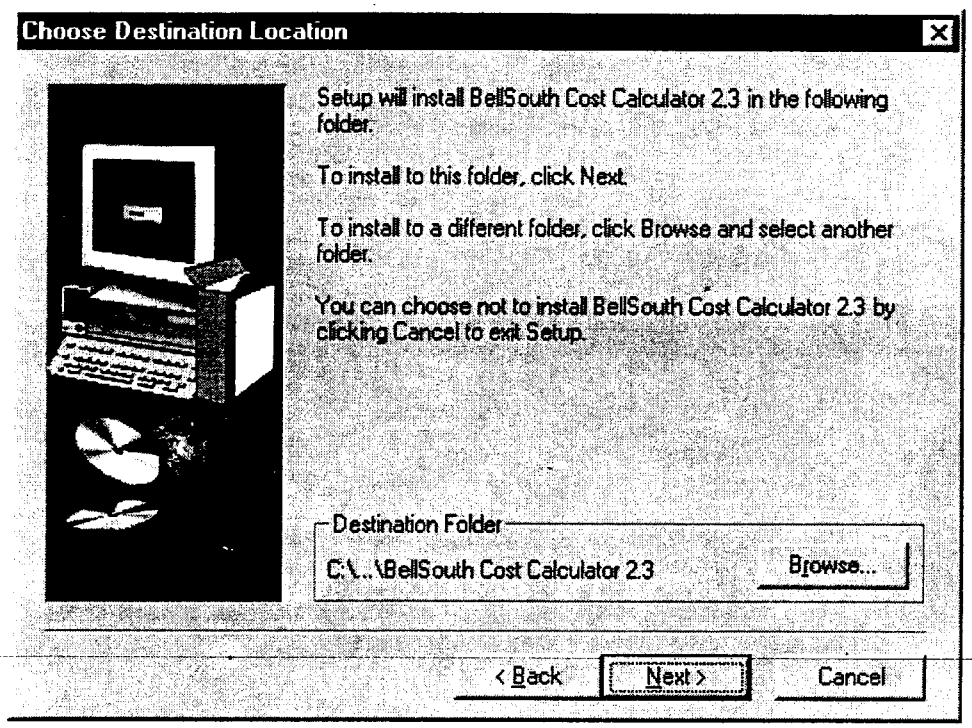
BellSouth Cost Calculator 2.3
If setup determines that Version 2.3 has not been on your computer already, this component will be checked and a message will indicate that you should install it. If setup determines that Version 2.3 is already installed on your computer, this component will be unchecked and the message will indicate that you do not need to reinstall it. In either case, you may override this selection.

Data Files
The CD may also contain BellSouth Cost Calculator scenarios that have been included for filing purposes. By default, this component is checked. You may override this selection and only install the BellSouth Cost Calculator. Or you may choose to install the data files only if the required version of the BellSouth Cost Calculator is already installed on your computer.

Once you have made your selections, click **Next** to continue or **Cancel** to abort the installation.

Installing BellSouth Cost Calculator

5. If you chose to install the BellSouth Cost Calculator, the following screen will be displayed:



By default, the BellSouth Cost Calculator (including the Capital Cost Calculator and Shared and Common Cost Application), and Switched Network Calculator will be installed in the following directory:

C:\Program Files\BellSouth Cost Calculator 2.3

If you do not wish to accept this default, you may specify a different destination by clicking **Browse**.

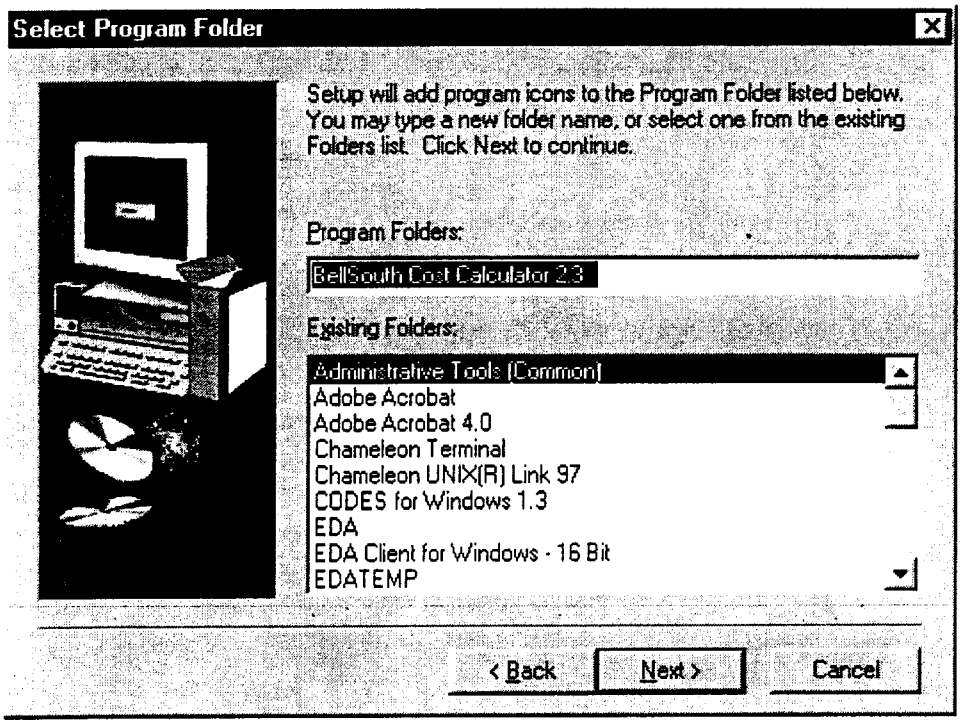
Once your are satisfied with the destination directory, click **Next** to continue.

To go back to the previous screen, click **Back**.

To abort the installation, click **Cancel**.

Installing BellSouth Cost Calculator

6. If you chose to install the BellSouth Cost Calculator, the installation will create a program folder on the Start menu. You will be prompted for the name of this folder:



By default, the installation will create icons in a folder named **BellSouth Cost Calculator 2.3**. You may change this folder by typing in a new one or selecting one from the list of existing folders.

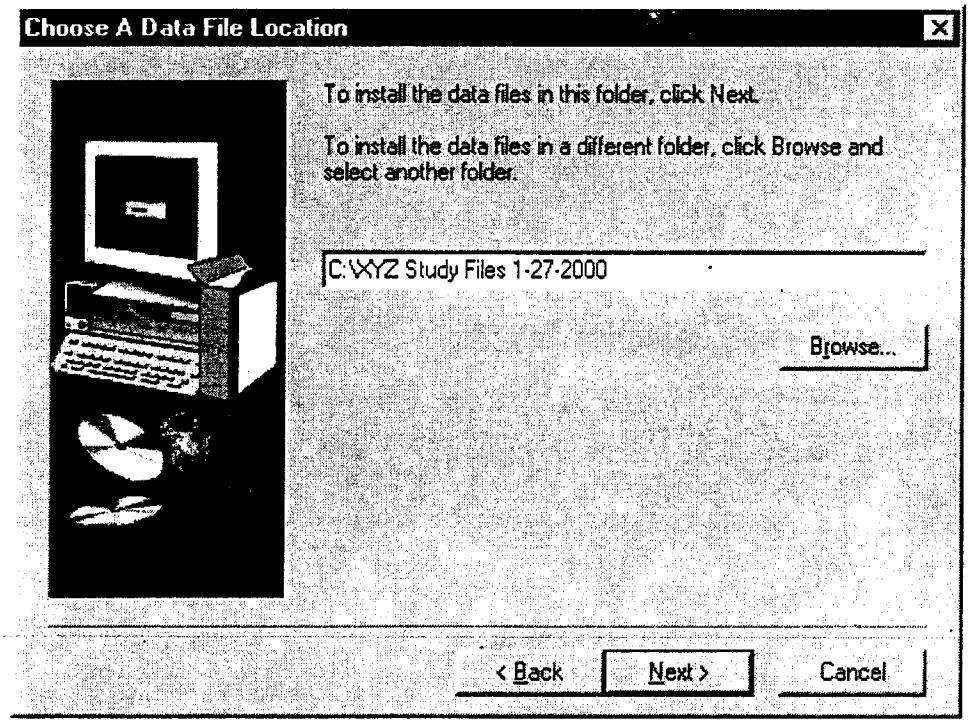
To continue with the installation, click **Next**.

To go back to the previous screen, click **Back**.

To abort the installation, click **Cancel**.

Installing BellSouth Cost Calculator

7. If you chose to install the data files on this CD, you will be required to specify a folder on your computer in which to copy the data files:



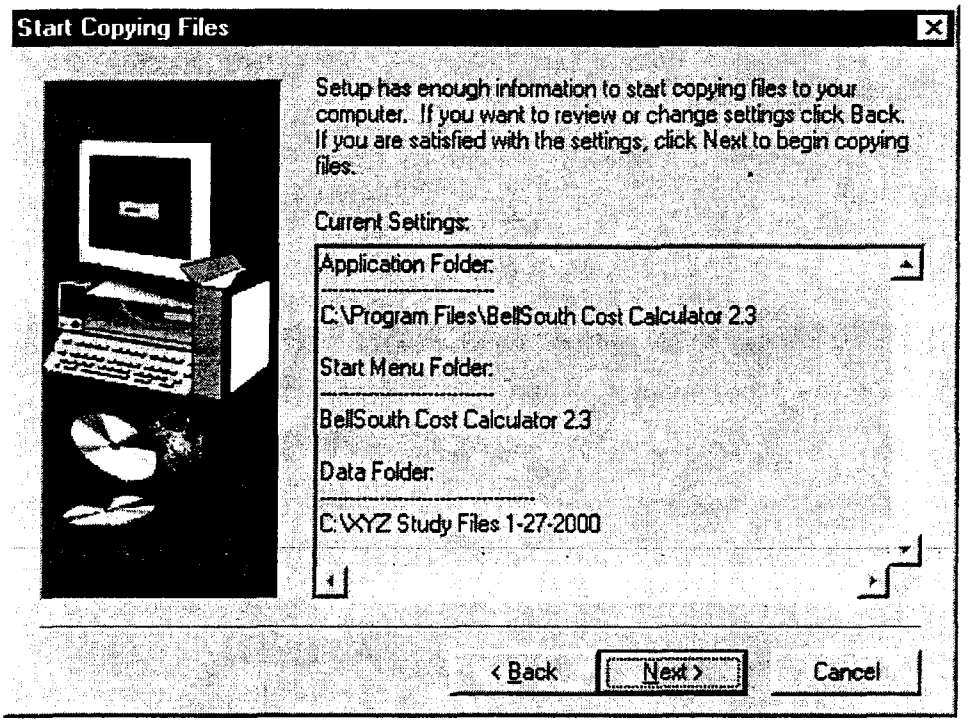
The BellSouth Installer will recommend a folder name for you, but you may change it to suit your needs by clicking **Browse** and selecting a new folder or just typing in a new one.

Once you are satisfied with the data destination folder, click **Next** to continue.

If the Installer determines that there is enough space to install the files on the destination drive, the installation will continue. If there is not enough free space, the Installer will not let you continue until you free enough space on the target drive or specify a different drive.

Installing BellSouth Cost Calculator

8. Once the installer determines that there is enough free disk space to install the selected components, you will be given an opportunity to review your selections. The information that you provided on the previous screens will be listed:



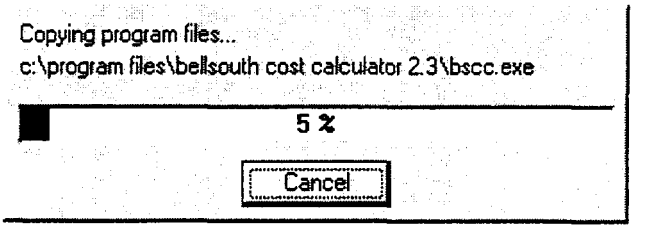
If you want to change any of these selections, click **Back** until you get to the screen containing the settings you want to change. Make the desired changes and click **Next** until you get back to this screen.

To continue with the installation, click **Next**.

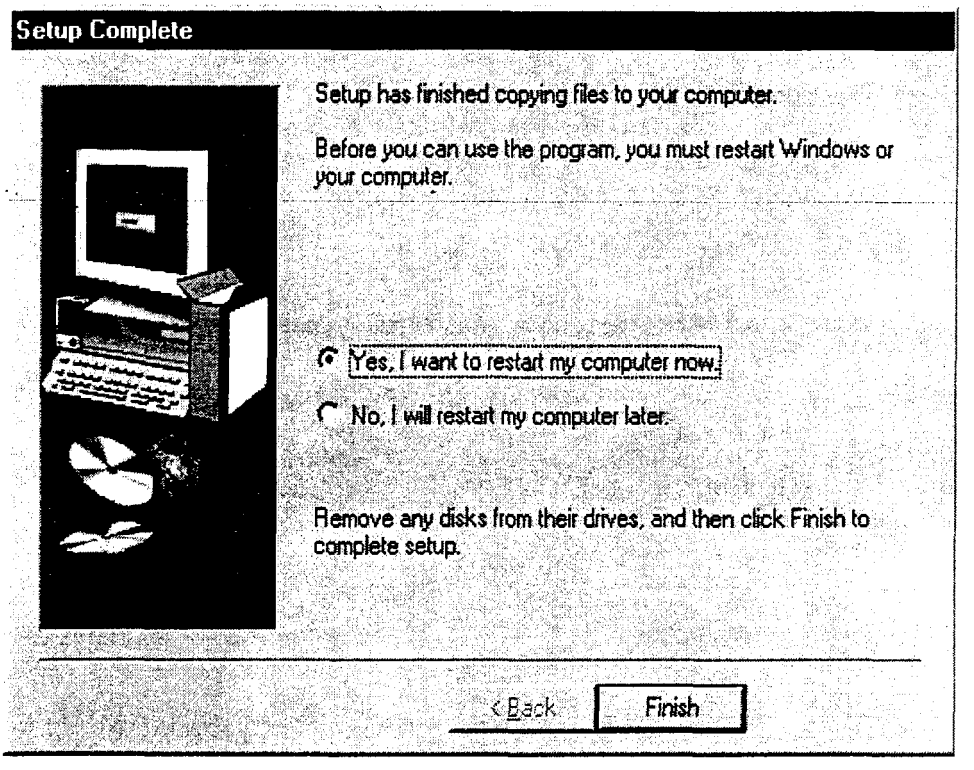
To abort the installation, click **Cancel**.

Installing BellSouth Cost Calculator

9. Setup will copy the files for the selected components to your computer. A status box will indicate the progress of this operation:



10. During the copy operation, the Installer may have copied some shared files that may have been in use by your computer during the installation. If so, the following screen will be displayed:

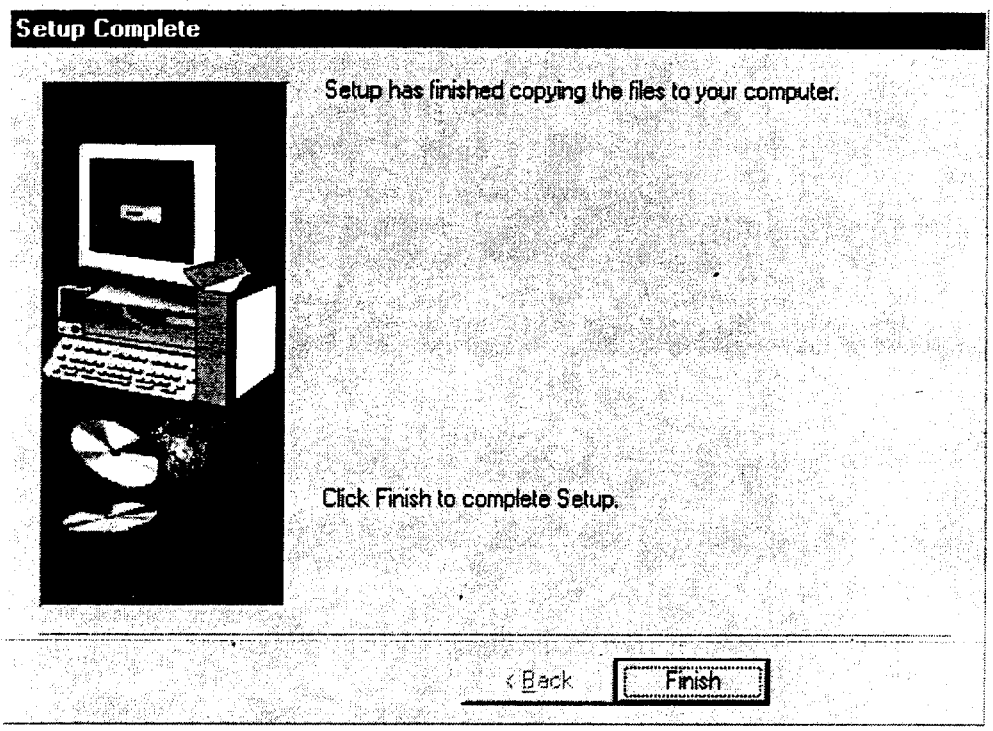


You may choose to restart Windows now or later.

Click **Finish** to complete the installation. If you chose **Yes**, your computer will be rebooted. Once the reboot is complete, you are ready to run the installed applications.

Installing BellSouth Cost Calculator

11. If none of the shared files were in use during the file copy operation, the following screen will be displayed:



Click **Finish** to complete the installation. You may now run the installed applications.

Starting BellSouth Cost Calculator

To start the BellSouth Cost Calculator:

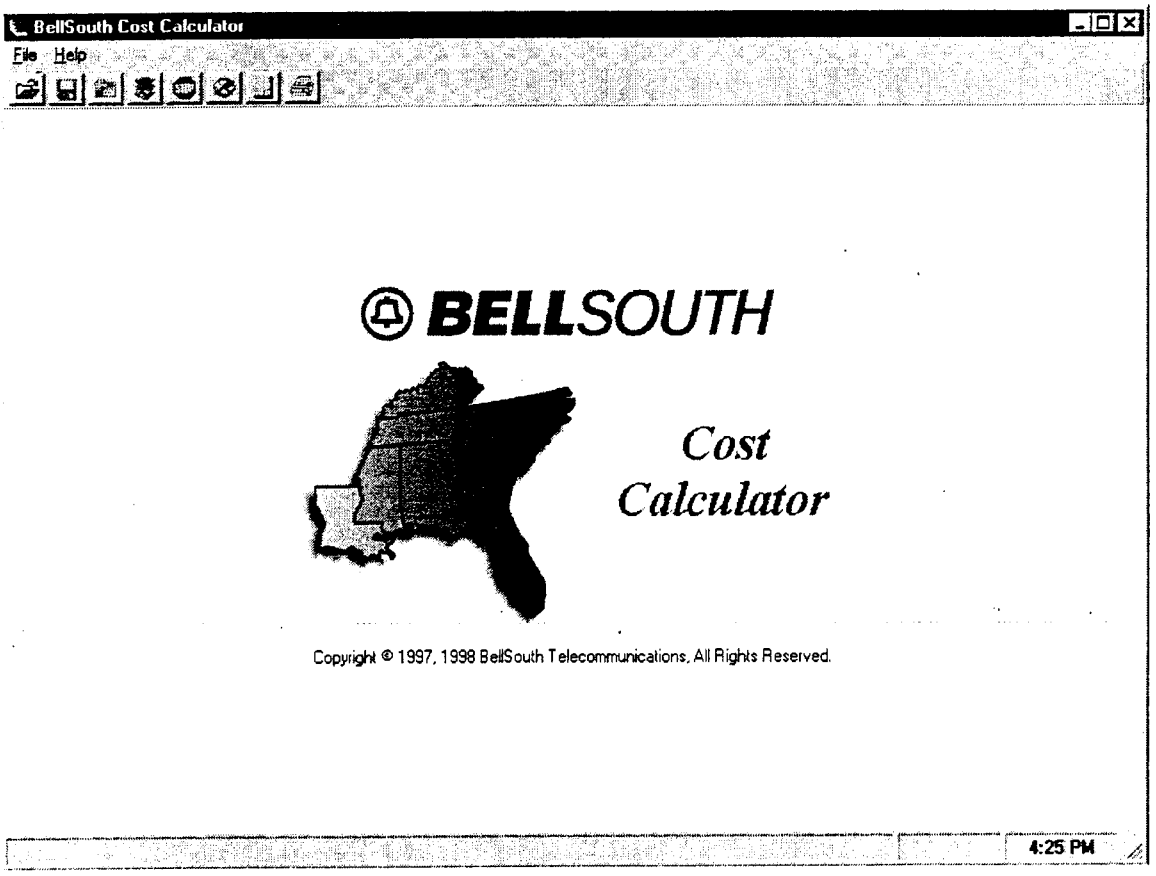
1. Click the **Start** button to display the start menu. Select **Programs** from the start menu.

2. Select **Programs** from the start menu.

3. Locate and select the program folder that was created during installation. By default this folder is named **BellSouth Cost Calculator 2.3**. If you changed this default during installation, locate and select the folder you specified.

Opening Screen

When you start the BellSouth Cost Calculator, you will see the following screen:



This screen allows you to open, modify, and save cost study scenarios. The screen is divided into four sections:

Menus
Toolbar
Element Window
Status Bar

These sections are covered in more detail below.

Opening Screen

Menus

Several of the screens in the BellSouth Cost Calculator contain menus. The menu on each screen will vary depending on the function that you are performing. On the opening screen, the menu has a File and Help option.

File

Open Study/Scenario - Select this option to open a scenario in the current study or a different study.

Exit BellSouth Cost Calculator - Select this option to exit the Cost Calculator.

Help

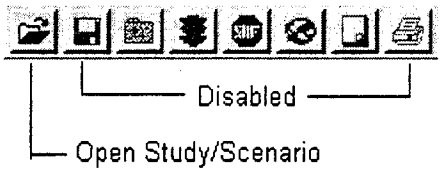
Contents - Select this option to display the help table of contents.

Search - Select this option to search the help topics index.

About - Select this option to display version information.

Toolbar

Depending on the screen, the toolbar contains buttons that perform various functions. Below is the toolbar as you will see it when you first open the Cost Calculator:



Opening Screen

Element Window

The Element Window is much like a page in a word processing program such as Microsoft Word. When you first open the Cost Calculator, this space is filled by the Cost Calculator logo. When you create/open a scenario, the space will be used to display the elements in the scenario. Refer to the topic entitled ***Scenario Edit Screen*** for more details.

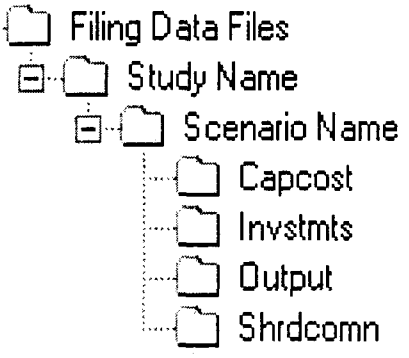
Status Bar

The status bar at the bottom of the screen is used to convey status information. As you create scenarios, the status bar will tell you what is happening. The time is also displayed in the status bar. Below is an example of the status bar:

What's In A Study Directory

A study directory is nothing more than a directory that contains one or more scenarios related to a cost study. The study directory is named to uniquely identify the study.

A scenario is a directory structure (created underneath a study directory) that contains the unique inputs and outputs related to a cost study or variation of a cost study:



Capcost – Contains Capital Cost Calculator inputs and outputs unique to this scenario.

Invstmts – Contains Excel investment worksheets unique to this scenario.

Output – Contains any Excel outputs that have been created for this scenario.

Shrdcomn – Contains an Excel worksheet for recalculating Labor Rates based on Shared and Common Cost Application changes.

What's In A Study Directory

Also stored in the scenario directory is a scenario database that contains the following:

- Study Type
- State
- Study Period
- Study Mid-Point
- Study Narrative
- Material Vintage
- Gross Receipts Tax parameters
- Disconnect Factor Development parameters
- Element List
- Factor Application Matrix
- Factors
- Labor Rates
- Investments, additives, and labor
- Results of calculations

All of these inputs and outputs uniquely define a scenario. The number of scenarios that can be created under a study directory is only limited by the amount of available disk space on the drive where the study directory resides.

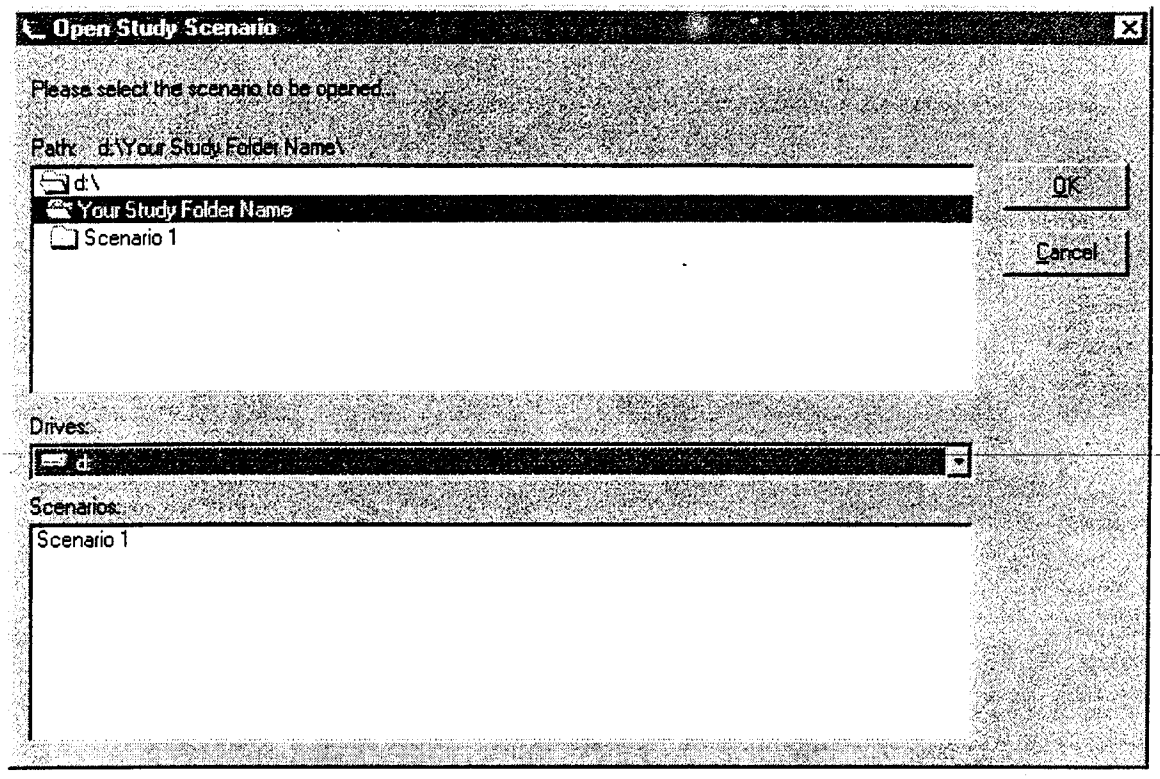
The Study TEMP Directory

When a new scenario is created or an existing scenario is opened, a temporary directory is created under the study directory. A copy of the open scenario is maintained in this temporary directory and all updates to the scenario are applied to this copy. Updates will not be applied to the original scenario until it is saved using the **Save** menu option or toolbar button. Changes may be saved to a new scenario without affecting the original scenario by using the **Save As** menu option. Refer to the topic entitled ***Saving A Scenario*** for details.

When a study scenario is closed, the BellSouth Cost Calculator will attempt to delete this temporary directory. If a file in the temporary directory is still in use, the Cost Calculator will not be able to delete it. This may occur if one of the Excel worksheets in a scenario was in use and the Calculator abnormally terminated or because you opened a file in Excel and did not close it.
After the Cost Calculator identifies a problem deleting an Excel file, you may solve the problem by going into Windows Explorer and double-clicking the file and closing Excel. This may also occur if Windows Explorer is open and the study temporary directory has been selected.

Opening An Existing Study Scenario

To open a scenario associated with the currently open study or a scenario in a different study directory, select the **File | Open Study Scenario** menu option or click the Open Study Scenario toolbar button. If you currently have a scenario open and that scenario has been changed, you will be asked if you want to save the currently open scenario before continuing. If you elect to continue, the following dialog box will be displayed:



To open a study scenario:

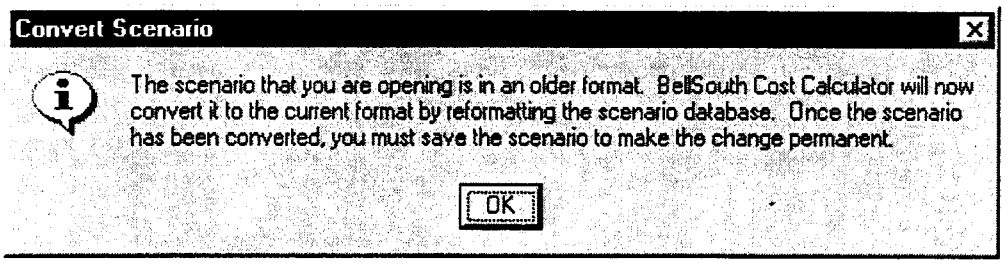
1. Use the mouse to select the drive and path where the study directory is located. If the directory selected is a valid study directory, one or more scenarios should be displayed in the Scenarios box at the bottom of the dialog box.

2. Click the scenario name to select it.

3. Click the **OK** button.

Opening An Existing Study Scenario

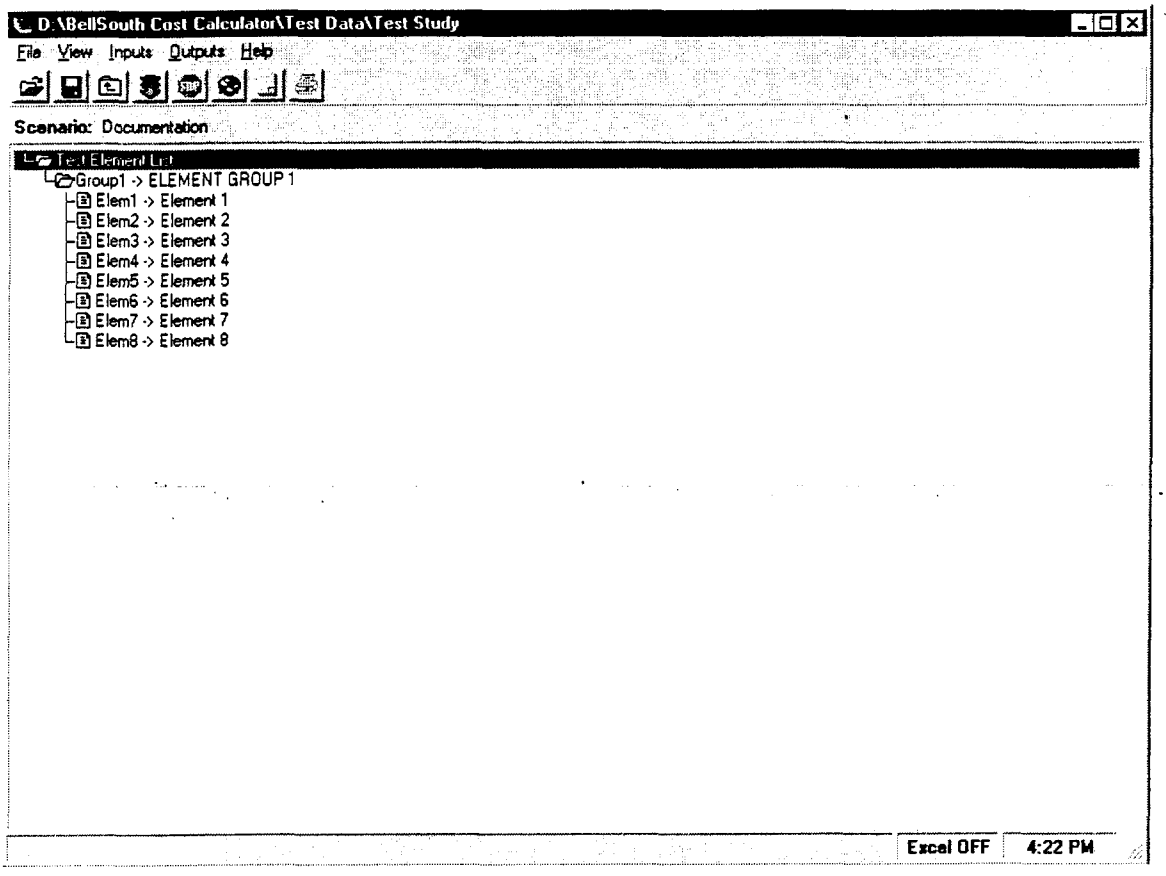
If the scenario you are opening was created in an older version of the Cost Calculator, the scenario may not be compatible with the latest version. In order for the Cost Calculator to open the scenario, it must be converted from the old format to the new format. The following message box will be displayed:



Please note that the original scenario is not altered. Only the temporary working copy of the scenario is converted. The conversion will not become permanent until the scenario is saved.

Scenario Edit Screen

The Scenario Edit Screen is used to modify and save study scenarios. It is same as the opening screen, except that more menu and toolbar options are available. The Cost Calculator logo is no longer displayed and the Element Window displays the elements for the currently open scenario if there have been any defined. Below is an example of the screen after opening a scenario:



Notice that the screen has more options available. These options will be discussed in more detail below.

Scenario Edit Screen

Menus

File

Open Study/Scenario - Select this option to open a scenario in the current study or a different study.

Close Study - Select this option to close the currently open study. If the study scenario has been changed, you are given the opportunity to save the scenario before the study is closed.

Save Scenario - Select this option to save the current scenario. If the current scenario has not been previously saved, you will be prompted for a name to save the scenario to.

Save Scenario As - Select this option to save the current scenario to a different name. The open scenario will be closed and the newly saved scenario will be opened.

Print Setup - Select this option to designate and configure the printer that will be used to print reports.

Print - Select this option to print the reports for the selected elements. This may also be accomplished by clicking the Print button on the toolbar.

Delete Scenario - Select this option to delete one or more scenarios in the currently opened study. ***Note: You can not delete the currently open scenario or the last remaining scenario in a study. At least one scenario is required for a study.***

1 ... 4 - The Cost Calculator maintains a history of up to four scenarios that you have accessed. You may select one of these menu options to open the corresponding scenario.

Clear File History - Select this option to clear the file history.

Exit BellSouth Cost Calculator - Select this option to exit the Cost Calculator.

Scenario Edit Screen

View

Outline - Select this option to display the scenario's cost elements in an outline format.

Elements Only - Select this option to display the elements only.

Inputs

Element List - Select this option to display the Elements Screen. This screen is used to display element details. Refer to the topic entitled ***Elements Screen*** for details.

Factor Application - Select this option to display the Factor Application Screen. This screen is used to display the Factor Application Matrix used in the scenario. Refer to the topic entitled ***Factor Application Screen*** for details.

Factors - Select this option to display the Factors Screen. This screen is used for displaying and modifying factors in the scenario. Refer to the topic entitled ***Factors Screen*** for details.

Labor Rates - Select this option to display the Labor Rates Screen. This screen is used for displaying and modifying labor rates in the scenario. Refer to the topic entitled ***Labor Rates Screen*** for details.

Material Investments, Additives, and Labor - Select this option to display the Material Investments, Additives, and Labor screen. This screen is used for displaying and modifying material investments, additives, and labor in a scenario. Refer to the topic entitled ***Investments, Additives, and Labor Screen*** for details.

Scenario Edit Screen

Outputs

Element Detail Reports – Select this option to display the output reports for the element you have selected in the element or outline view window. You may choose to view the reports in Crystal Reports or Excel format. For more details on viewing Crystal Reports, refer to the topic entitled ***Viewing Reports***. You may also click the View Outputs toolbar button or double-click an element in the element or outline view to display reports.

Element Summary Reports (Last Run) – Select this option to display an output summary report for the elements that were included in the last run. This report may be viewed in Crystal Reports or Excel.

Element Summary Reports (All Elements) – Select this option to display an output summary report for all elements in the current scenario. This report may be viewed in Crystal Reports or Excel.

Scenario Summary Report – Select this option to display a report that provides a summary of the current scenario including the general study parameters and inputs.

Export to Excel – To export the output reports for one or more elements, select the desired elements in the element or outline view window and select this menu option.

Help

Contents - Select this option to display the help table of contents.

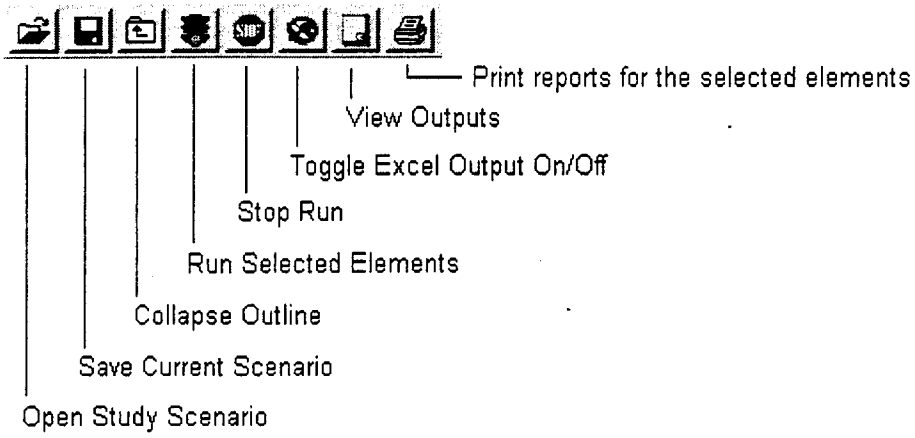
Search - Select this option to search the help topics index.

About - Select this option to display version information.

Scenario Edit Screen

Toolbar

Toolbar buttons will vary depending on the status of the scenario and options that have been set.



Scenario Edit Screen

Element Window

Outline View

The Element Window is similar to Windows Explorer. When the outline view is selected, a list of folders is displayed. These folders represent cost element groupings. Clicking a folder opens it so that you can see the elements and/or folders grouped under it. The selected item will be highlighted. Clicking on the same folder again will close the folder. Cost elements are denoted by a page icon. When the outline view is selected, you may only select one item from the list. That item may be a folder of elements or an individual element. The item you select will affect other functions on the screen. If you select a folder and click the Run toolbar button, all elements group in the folder will be included in the run. Selecting nothing is equivalent to selecting all. If you select the topmost folder, all elements will be displayed or run.

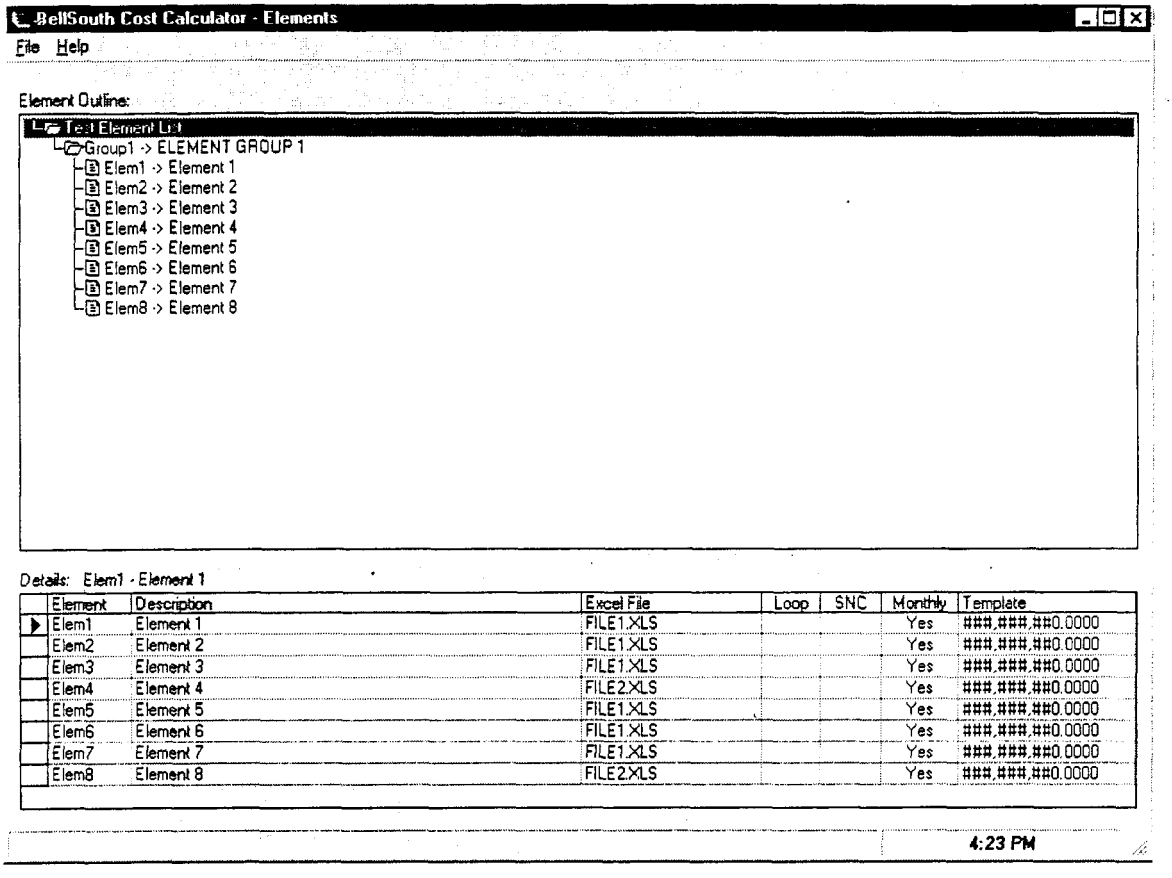
To quickly close all of the folders in the outline, click the Collapse Outline toolbar button.

Elements Only View

When the elements view is selected, only the cost elements are displayed. You may select one or more elements by using the standard Windows selection keystrokes. Holding down the **<Ctrl>** key while clicking with the mouse allows you to select multiple elements. To select a block of elements, click the first element in the block, hold down the **<Shift>** key and click the last element in the block. The selected block of elements will be highlighted. Like the outline view, the elements that are selected will be included in the run if the Run button is clicked. Also, the selected elements will be displayed on the Material Investments, Additives, and Labor Screen. To deselect all selected elements, click the Collapse Outline toolbar button.

Elements Screen

The elements screen is used to display the details of the elements included in a study scenario. Below is an example of the Elements Screen:



The options available on this screen are detailed below.

Elements Screen

Menus

File

Close current screen - Select this option to close the Elements Screen and return to the Scenario Edit Screen.

Help

Contents - Select this option to display the help table of contents.

Search - Select this option to search the help topics index.

About - Select this option to display version information.

Element Outline

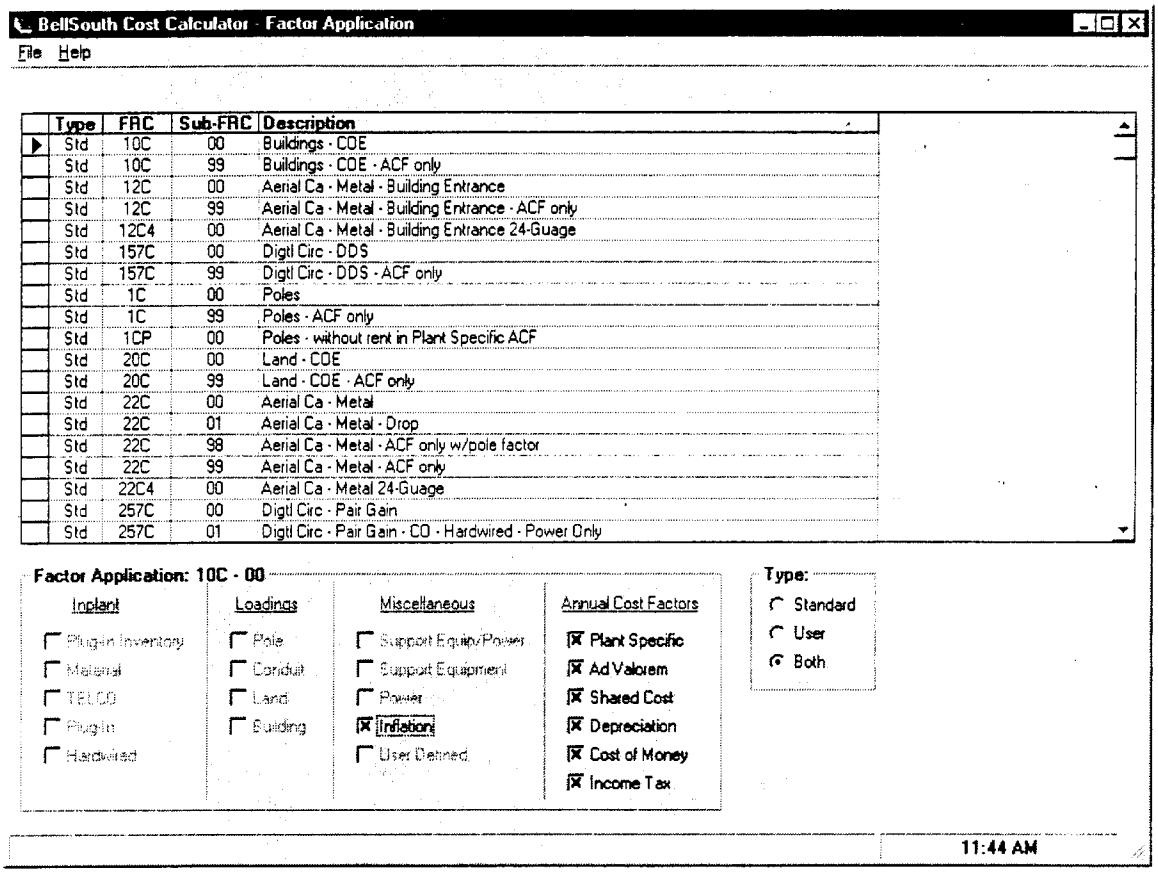
The elements in the scenario are displayed in an outline format much like Windows Explorer. Clicking a folder will open the folder and display the elements that are included in the folder. Clicking the folder again will close the folder.

Details

The details for each element are displayed at the bottom of the Elements Screen. When an element is selected in the element outline, the detail section will scroll to the detail record for that element.

Factor Application Screen

The Factor Application Screen is used to display the factor application matrix that is being used in a scenario. It is displayed by selecting the **Inputs | Factor Application** menu option on the **Scenario Edit Screen**. Below is an example of the Factor Application Screen:



The options that are available on this screen are detailed below.

Factor Application Screen

Menus

File

Print Setup - Select this option to designate and configure the printer that will be used to print reports.

Print - Select this option to print the factor application matrix.

Close current screen - Select this option to close the Factors Application Screen and return to the Scenario Edit Screen.

Help

Contents - Select this option to display the help table of contents.

Search - Select this option to search the help topics index.

About - Select this option to display version information.

FRC/Sub-FRC Table

The FRC/Sub-FRC table is populated with a record for every FRC/Sub-FRC combination. Included in the table are the record type (Std for Standard, User for User-defined), FRC, Sub-FRC, and description.

Factor Application

As you scroll through the FRC/Sub-FRC table, the factor application for each FRC/Sub-FRC combination is displayed. The factors that are applicable are denoted with an **X**.

Factors Screen

To display the Factors Screen, select the **Inputs | Factors** menu option on the **Scenario Edit Screen**. This screen may be used to display and modify factors in a scenario.

The data on this screen is arranged into the following categories displayed on tabbed file folders:

Inplant
Loadings
Miscellaneous
Annual Cost Factors (excluding Cost of Capital factors)
Cost of Capital
Disconnect Factors
Global

You may switch between the categories by clicking on the tabs.

Menus

File

Print Setup - Select this option to designate and configure the printer that will be used to print reports.

Print - Select this option to print factors reports.

Close current screen - Select this option to close the Factors Screen and return to the Scenario Edit Screen.

Edit

Undo changes since last save - Select this option to undo the changes made to one or more factor categories since the scenario was last saved.

Factors Screen

Menus

View

Current Scenario - Select this option to display the factors based on the current state of the scenario.

Current Scenario Before Changes - Select this option to display the factors as they were before changes were made to the scenario.

Sources

Capital Cost Calculator (Open) - Select this option to open the Capital Cost Calculator.

Capital Cost Calculator (Apply changes to BellSouth Cost Calculator) – Select this option to apply the changes in the Capital Cost Calculator to the current scenario. If applicable, the changes in the Capital Cost Calculator will be applied to the BellSouth Shared and Common Cost Application to regenerate Shared, Common, and TELRIC labor rates based on the new Cost of Capital factors.

Shared and Common Cost Application (Open) - Select this option to open the BellSouth Shared and Common Cost Application.

Shared and Common Cost (Apply changes to BellSouth Cost Calculator) – Select this option to apply the changes in the Shared and Common Cost Application to the current scenario. This includes the Shared, Common, and TELRIC labor rates.

Inflation Factor Methodology – Select this option to display an Excel worksheet that documents the methodology used to calculate Inflation factors.

Factors Screen

Help

Contents - Select this option to display the help table of contents.

Search - Select this option to search the help topics index.

About - Select this option to display version information.

Current Record

As you move around in the factors tables by clicking with the mouse or using the arrow keys, the description for the currently selected record will be displayed at the top of the tab.

Source

As you navigate the factors tables, the file that the factors were loaded from will be displayed as a blue hypertext link. To view a description of the file, click the link with the mouse. If a factor is not applicable for an FRC, "----" will be displayed in the table and the Source field will indicate that the factor is not applicable for the FRC in question.

Modifying Factors

You may modify the factors by clicking on the cell you want to modify, typing the new value, and pressing **<Enter>** or moving to another row in the table. If you type into a cell but do not press **<Enter>** or move to another row, you will lose your change if you click on another tab. Some factors may only be modified in the source model such as the Capital Cost Calculator or Shared and Common Cost Application. When you attempt to modify one of these factors, you will be informed that you will have to open the source model to modify these factors. If you manually update a factor, an indicator will be displayed below the Source field to indicate the manual update.

Labor Rates Screen

To display the Labor Rates Screen, select the **Inputs | Labor Rates** menu option on the **Scenario Edit Screen**. This screen may be used to display, and modify labor rates in a scenario.

Menus

File

Print Setup - Select this option to designate and configure the printer that will be used to print reports.

Print - Select this option to print labor rates reports.

Close current screen - Select this option to close the Labor Rates Screen and return to the Scenario Edit Screen.

Edit

Undo changes since last save - Select this option to undo the changes made to the labor rates since the scenario was last saved.

View

Current Scenario - Select this option to display the labor rates based on the current state of the scenario.

Current Scenario Before Changes - Select this option to display the labor rates as they were before changes were made to the scenario.

Options

Set TELRIC Labor Rates Equal To Direct Labor Rates - Select this option to set the TELRIC labor rates equal to the direct labor rates.

Set Direct Labor Rates Equal To TELRIC Labor Rates - Select this option to set the direct labor rates equal to the TELRIC labor rates.

Labor Rates Screen

Menus

Help

Contents - Select this option to display the help table of contents.

Search - Select this option to search the help topics index.

About - Select this option to display version information.

Current Record

As you move around in the labor rates table by clicking with the mouse or using the arrow keys, the description for the currently selected record will be displayed at the top of the tab.

Source

As you navigate the labor rates table, the name of the file that the labor rates were loaded from will be displayed as a blue hypertext link. To view the methodology for creating the labor rates, click the link with the mouse.

Modifying Labor Rates

You may modify the labor rates by clicking on the cell you want to modify, typing the new value, and pressing **<Enter>** or moving to another row in the table. If you manually update a labor rate, an indicator will be displayed below the Source field to indicate the manual update.

Investments, Additives, and Labor Screen

To display the Investments, Additives, and Labor Screen, select the **Inputs | Material Investments, Additives, and Labor** menu option on the **Scenario Edit Screen**. This screen may be used to display, and modify material investments, recurring and non-recurring labor work times, and recurring and non-recurring additives.

The data on this screen is arranged into the following categories displayed on tabbed file folders:

Investments
Recurring Additives
Non-Recurring Additives
Recurring Labor (Hours)
Non-Recurring Labor (Hours)

You may switch between the categories by clicking on the tabs.

Menus

File

Load Loop Model investments – Select this option to load investments from the Excel worksheets output by the BellSouth Loop Model. You will be prompted for the names and locations of the files to be loaded. ***This option is only available if the scenario contains elements with BellSouth Loop Model inputs.***

Print Setup - Select this option to designate and configure the printer that will be used to print reports.

Print - Select this option to print investments, additives, or labor reports.

Close current screen - Select this option to close this screen and return to the Scenario Edit Screen.

Investments, Additives and Labor Screen

Menus

Edit

Undo changes since last save - Select this option to undo the changes made to one or more investment categories since the scenario was last saved. You will be given the option of undoing changes to the selected record only, displayed elements only, or all elements. You may also undo changes made to the Excel input worksheets since the scenario was last saved.

View

Current Scenario - Select this option to display the values based on the current state of the scenario.

Current Scenario Before Changes - Select this option to display the values as they were before changes were made to the scenario.

Source

Open (*source*) – This option allows you to open the input source application for the currently selected record. As an alternative, as you scroll through the records, the Source hypertext link at the bottom of the tab will be updated with the name of the source application for the current element. You may also left-click this link to open the source application.

Apply changes in source to BellSouth Cost Calculator - Select this option to apply the changes that were made in the source application for the selected elements to the current scenario. You may also right-click the Source hypertext link at the bottom of the tab to apply the changes.

Current Record

As you move around in the investments, additives, and labor tables by clicking with the mouse or using the arrow keys, the description for the currently selected record will be displayed at the top of the tab.

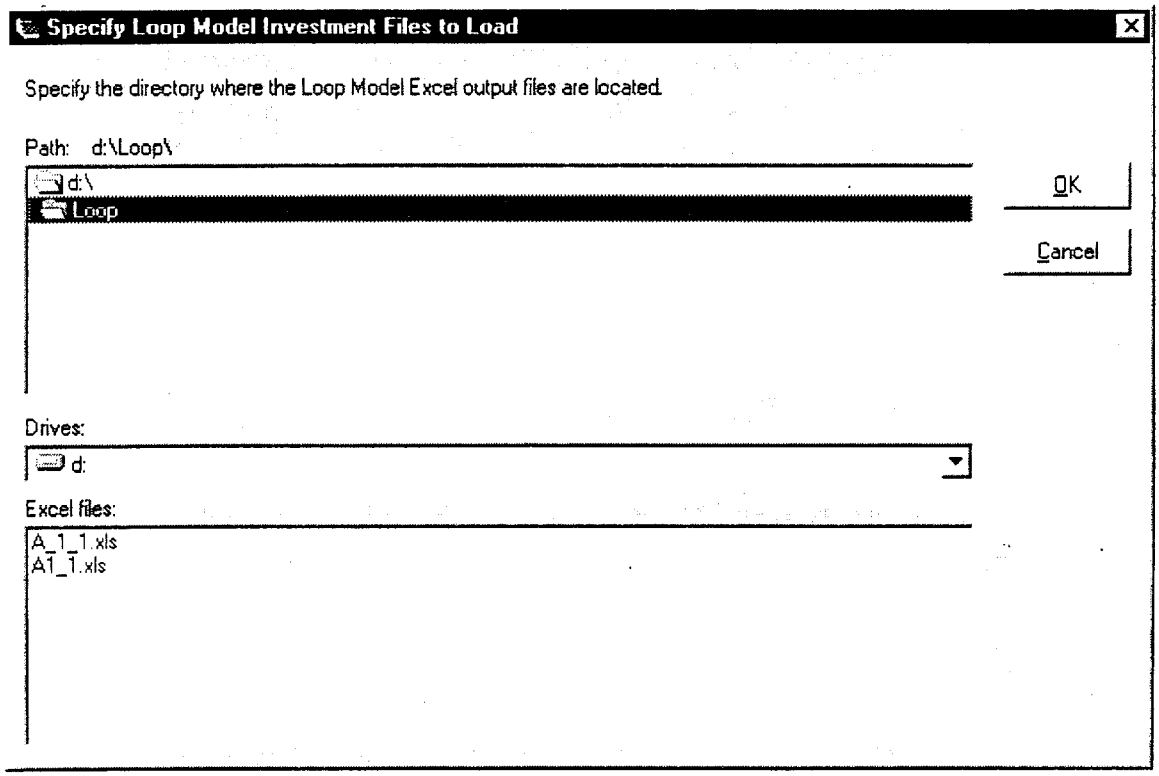
Investments, Additives and Labor Screen

Modifying Investments, Additives, and Labor

You may modify values by clicking on the cell you want to modify, typing the new value, and pressing **<Enter>** or moving to another row in the table. If you type into a cell but do not press **<Enter>** or move to another row, you will lose your change if you click on another tab.

Loading BellSouth Loop Model Investments

To load investment data from the worksheets created by the BellSouth Loop Model, select the **File | Load Loop Model investments** menu option on the **Investments, Additives, and Labor Screen**. The following dialog will be displayed:



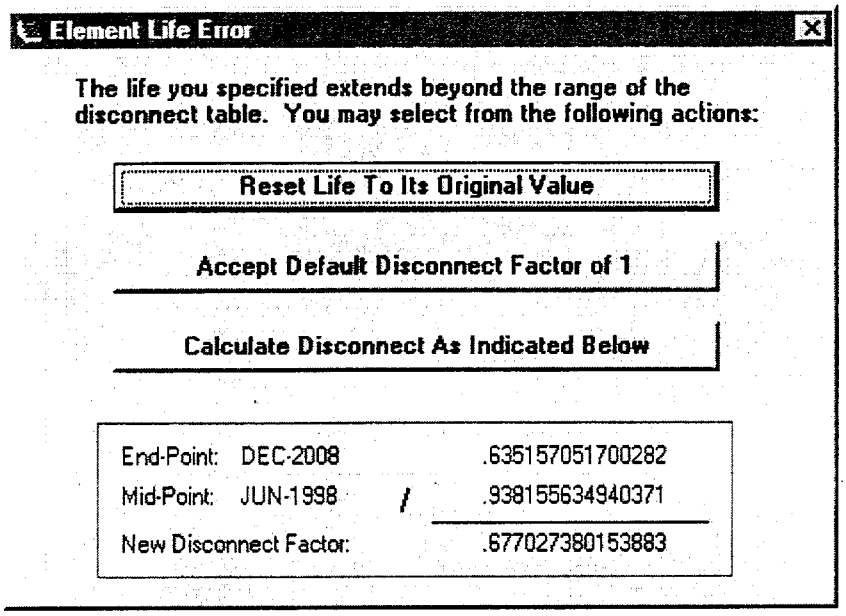
Because the BellSouth Loop Model is run independently of the Cost Calculator, you must tell the Cost Calculator where the files are located and the names of the files. Use the drive and directory selection boxes at the top of the screen to select the drive and directory where the Loop Model files are located. All Excel files in the selected directory will be displayed in the list at the bottom of the screen. To select a file, click the file name. You may select one or more files by holding down the **<Ctrl>** key while clicking the file names. You may select a range of files by clicking the first filename in the range and holding down the **<Shift>** key while clicking the last filename in the range.

Once you have selected the files to be loaded, click the **OK** button. The Cost Calculator will open each of the selected files and load the investment data into the current scenario.

To exit this screen without loading Loop Model investments, click the **Cancel** button.

Recalculating Disconnect Factors

The Disconnect Factor for each element is calculated based on the Element Life specified in the Non-Recurring Labor table. Changing the life for an element will result in the recalculation of the Disconnect Factor for that element. In the event that the life specified is beyond the available range (i.e. date is too far in the future), the following dialog will be displayed:



The following options are available:

Reset Life To Its Original Value
The Life will be restored to its value before you made the change.

Accept Default Disconnect Factor of 1
The Disconnect Factor will be set to 1.

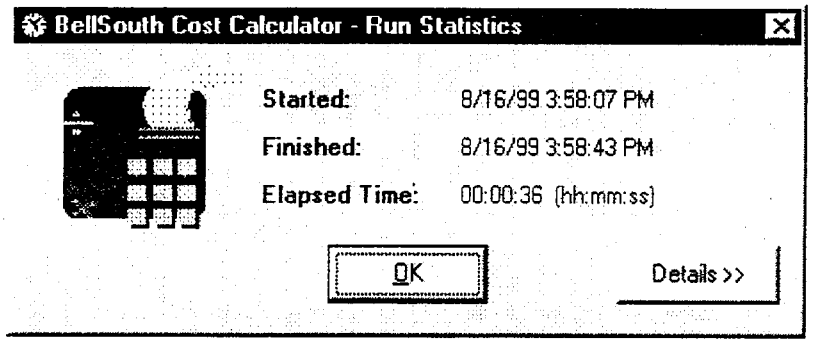
Calculate Disconnect As Indicated Below
The Disconnect Factor will be recalculated based on the End-Point factor for the last month in the disconnect lookup table. The calculation is displayed so that you may see what the factor will be.

Running A Scenario

To run the elements in a scenario, select the elements that you would like to run (refer to the *Outline View* and *Element View* topics in the topic entitled ***Scenario Edit Screen*** for details on selecting elements), click the Run button on the Toolbar on the **Scenario Edit Screen**. If you have completed all the steps necessary to build the scenario, the run will begin. If the scenario is incomplete, you will be told what remains to be done before the scenario can be run.

When the run begins, the Stop button on the Toolbar is enabled. To cancel the run before it completes, click the Stop button or press the Escape key. It may take a few seconds, but the run will be cancelled.

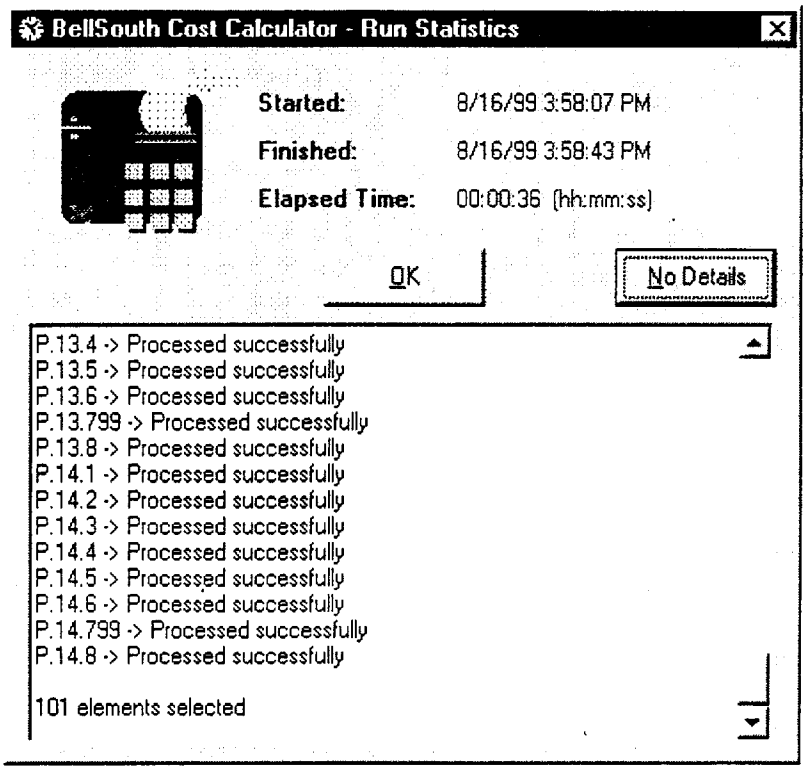
As the selected elements are processed, the status bar will be updated. The Run Statistics form will be displayed once the run is complete:



The start and finish times are displayed along with the total elapsed time.

Running A Scenario

If you would like to see more details about the run, click the **Details >>** button. The Run Statistics form will expand to display the details:



All of the elements that were selected for the run will be listed. The status of each element will be displayed and may be one of the following:

Processed successfully – The element was run successfully without error.

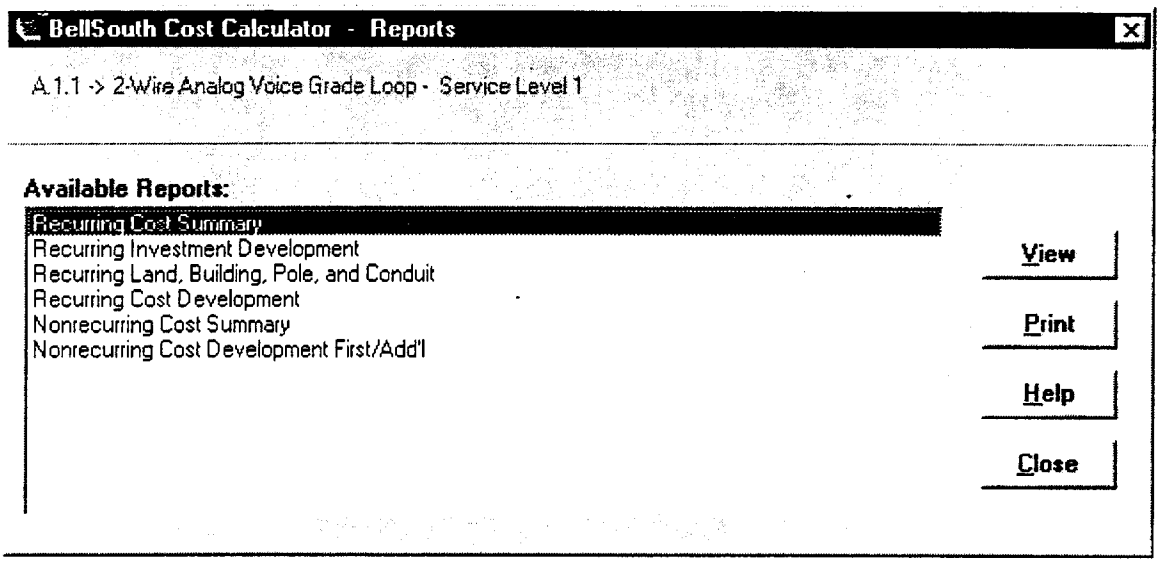
<<<<< ERROR >>>>> - An error occurred while the element was being processed. An error message should have been displayed during the run.

No output generated because element is an ICB – The element is an ICB, therefore no calculations were performed.

Cancelled – The element was selected for processing, but the run was stopped before the element could be processed.

Viewing Reports

When you choose to view the output reports for an element on the **Scenario Edit Screen**, the following report selection screen will be displayed:



At the top of the dialog, the element identifier and description are displayed. Depending on the element selected, a list of available reports is displayed. The following options are available:

View – To view a report, select it by clicking its name and then click the **View** button. You may optionally double-click the report to view it.

Print – To print a report, select it by clicking its name and then click the **Print** button.

Help – Click this button to display help.

Close - Click this button to close this dialog and return to the **Scenario Edit Screen**.

Saving A Scenario

When you create a scenario or make changes to an existing scenario, the changes are not made permanent until you save the scenario.

Note: If you close a scenario without saving it, all changes that you made to it will be lost!

To save a scenario click the **File | Save** menu option or **Save Study Scenario** toolbar button on the **Scenario Edit Screen**.

Saving An Existing Scenario

If the scenario you are working on has been saved previously, using the **File | Save Scenario** menu option or **Save Scenario** toolbar button will overwrite the existing scenario without prompting you.

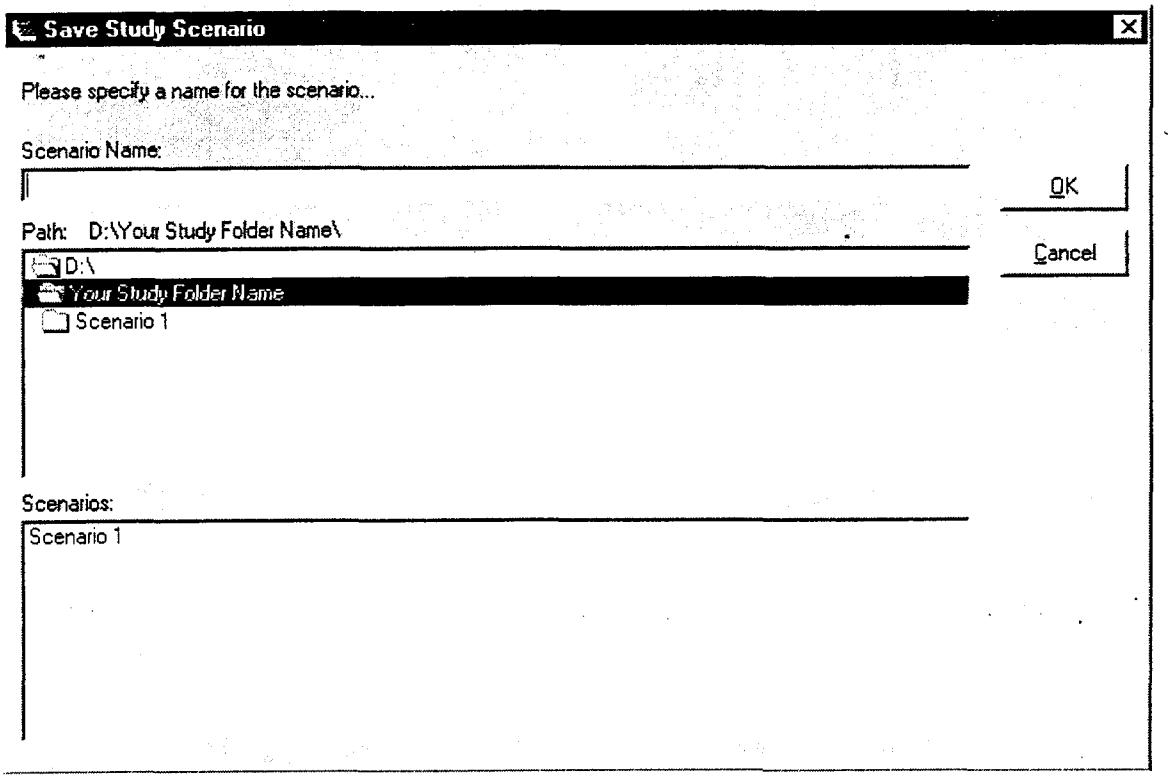
Note: If you want to save the changes to a different scenario name you must use the File | Save As menu option.

Saving A New Scenario

If you have created a new scenario or would like to save an existing scenario to a new name, use the **Save Scenario As** menu option. You will be prompted for a name for the new scenario:

Saving A Scenario

Saving A New Scenario



To save the scenario, specify a name in the Scenario Name text box and click **OK**.

Note: You may use the directory box to select another study directory in which to save the scenario. If you choose to do this, the specified directory will become the active directory.

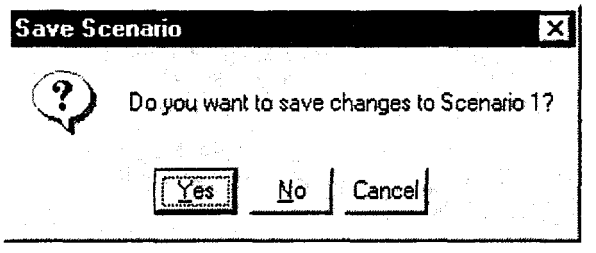
If you would like to overwrite an existing scenario that is listed in the Scenarios list, click the name of the scenario in the list or type it in the Scenario Name text box and click **OK**. You will be prompted to confirm that you really want to overwrite the scenario.

Depending on the number of input or output Excel files that have been updated in the scenario, the save may take up to approximately 30 seconds. Fewer updates will result in a much faster save time.

To exit this dialog without saving the scenario, click **Cancel**.

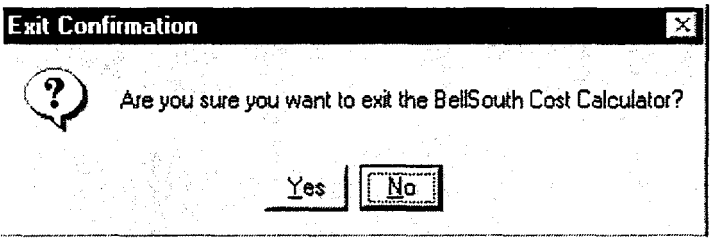
Exiting The BellSouth Cost Calculator

To exit the BellSouth Cost Calculator, select the **File | Exit BellSouth Cost Calculator** menu option on the **Scenario Edit Screen**. If a scenario is currently open and has been changed, you will be asked if you would like to save the changes:



Click **Yes** to save the scenario, **No** to close the scenario without saving it, or **Cancel** to abort the exit.

If you click **Yes** or **No**, the following confirmation will be displayed:



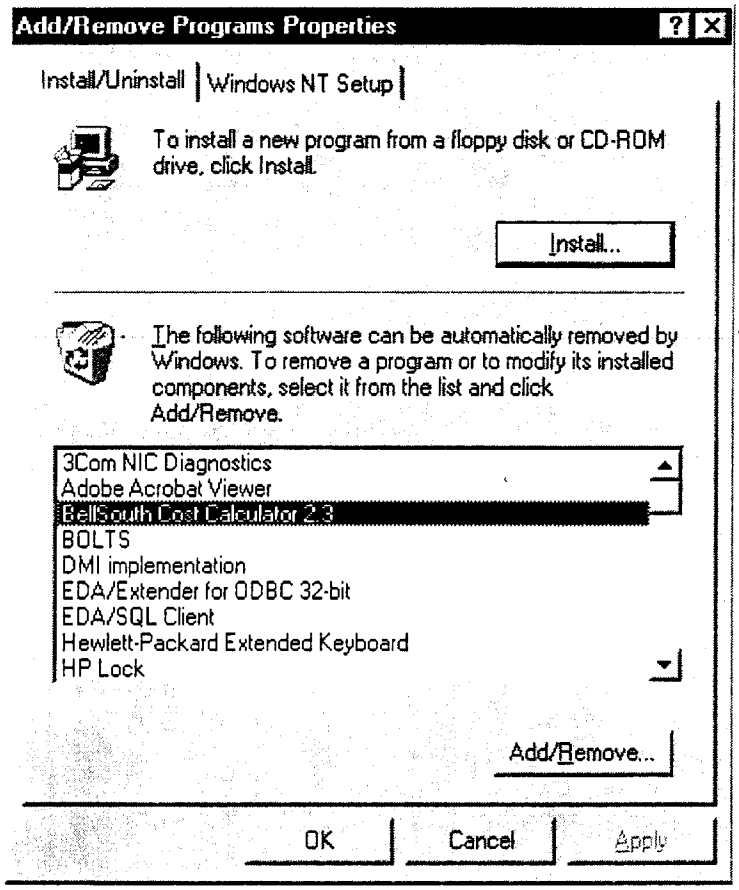
To exit, click **Yes**. To continue working in the BellSouth Cost Calculator, click **No**.

Uninstalling BellSouth Cost Calculator

To uninstall the BellSouth Cost Calculator, you must follow standard procedure for uninstalling applications in Windows 95, 98, or NT 4.0:

1. Access the Windows **Control Panel** by clicking the Start button then Settings, then Control Panel.

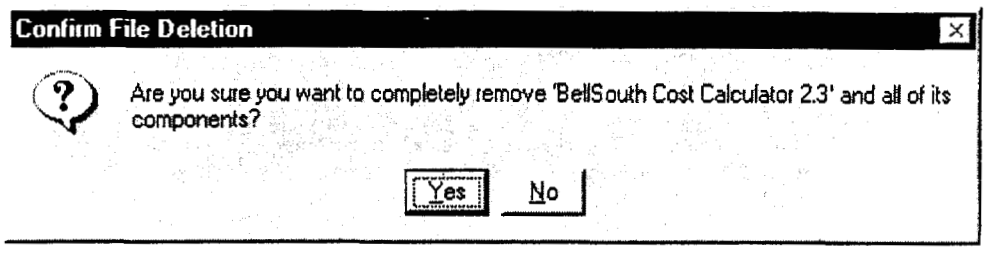
2. Double-click the **Add / Remove Programs** icon. The following dialog will be displayed:



3. Click the entry for BellSouth Cost Calculator 2.3 and then click the **Add/Remove** button.

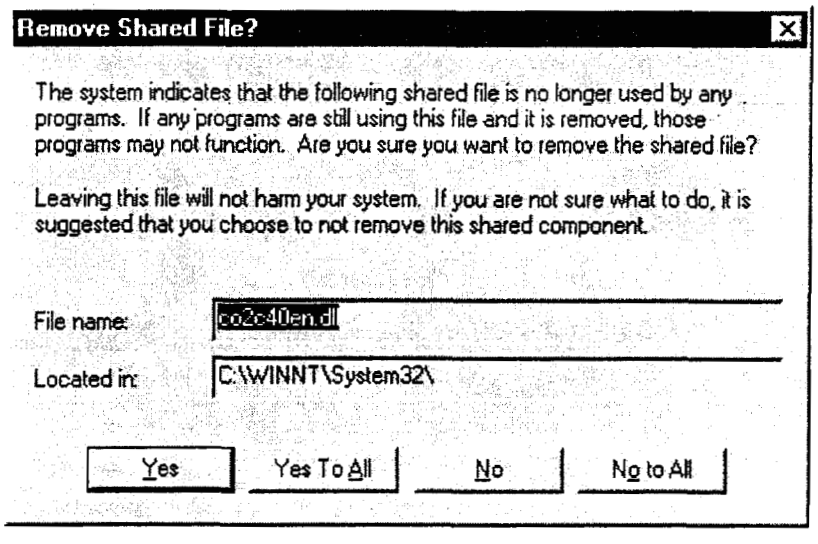
Uninstalling BellSouth Cost Calculator

4. You will be asked to confirm the removal of the application:



Click **Yes** to continue with the uninstallation or **No** to cancel.

5. **unInstallShield** will display the status of the application components as they are removed from your computer. Some of the files that were installed may be shared with other applications. **unInstallShield** will ask you if you want to remove these files:

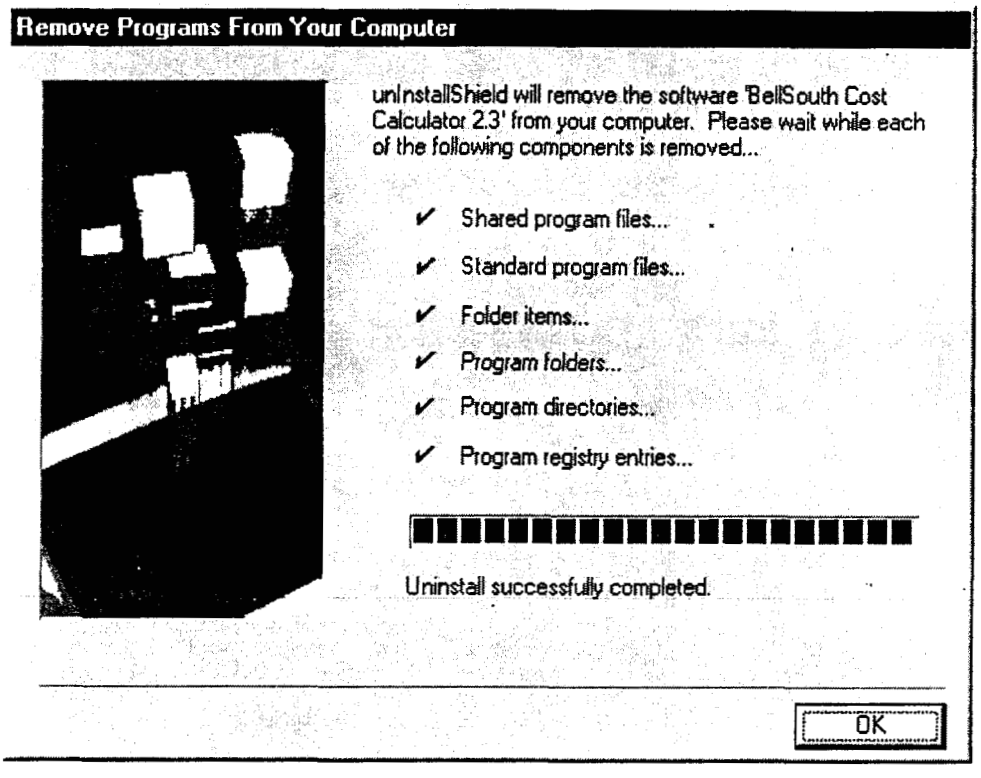


Although it may indicate that these files are no longer being used by any programs, it is highly recommended that you do not remove them. Click **No to All** to continue without uninstalling these files.

WARNING: If you choose to delete the shared files and there are other programs that use these files, those programs may stop working. If you uninstall these files by accident, you may reinstall them by installing the BellSouth Cost Calculator again and then uninstalling it, choosing* No to All. *This will restore the deleted files.

Uninstalling BellSouth Cost Calculator

6. The status screen will indicate when unInstallShield has completed the removal of the application:



unInstallShield can only remove files that were copied to your computer during the installation process. Files that have been created by the application since installation will not be removed. To see a list of what unInstallShield did not remove, click the **Details** button. You will have to manually remove these items.

Click **OK** to complete the uninstallation. BellSouth Cost Calculator 2.3 should no longer appear in the **Add / Remove Program Properties** dialog.

FLORIDA DOCKET NO. 000649-TP
APPENDIX D

BellSouth cost calculator output reports

Recurring Cost Summary

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

	Volume Sensitive				Volume Insensitive			
Description	Direct Cost	Shared Cost		TELRIC	Direct Cost	Shared Cost		TELRIC
Recurring Cost Development Reports	$175.5656	$13.7393		$189.3049	$0.0000	$0.0000		$0.0000
LABOR EXPENSES:								
OTHER EXPENSES:								
Total Monthly Cost	$175.5656	$13.7393		$189.3049	$0.0000	$0.0000		$0.0000
Gross Receipts Tax Factor			X	1.001713			X	1.001713
Cost (Including Gross Receipts Tax)				$189.6291				$0.0000
Common Cost Factor			X	1.0624			X	1.0624
Monthly Economic Cost				$201.4620				$0.0000

Total Monthly Economic Cost: $201.4620

005015

Source: BSCC 2.4

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

Description	FRC	Sub FRC	A Material	B Inflation Factor	C=AxB Adjusted Material	D1 Plug-in Inventory Factor	D2 Mat'l Factor	D3 Telco Factor	D4 Plug-in Factor	D5 Hardwire Factor	E=Cx(D1xD2 x...xD5) In-Plant Investment	F Supporting Equipment &/or Power Loading	G=ExF Total Investment
						In-Plant Factors (Default = 1)							
Digtl Circ - Pair Gain - C.O. - Hardwired - MCEP	257C	03	$187.5000	0.9800	$183.7500	NA	NA	NA	NA	2.5184	$462.7593	1.0251	$474.3524
Digtl Circ - Pair Gain - C.O. - Combined - MCEP	257C	15	$4,859.0000	0.9800	$4,761.8200	NA	1.5742	NA	NA	NA	$7,496.1570	1.0251	$7,683.9508
Digital Elec Switch - MDF	377C	05	$447.9755	1.0201	$456.9949	NA	1.3249	NA	NA	NA	$605.4533	1.1011	$666.6489
											$8,564.3697		$8,824.9520

005016

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

Description	FRC	Sub FRC	A=Prev Page Col G Investment	B Land Factor	C=AxB Land Investment	D Building Factor	E=AxD Building Investment	F Pole Factor	G=AxF Pole Investment	H Conduit Factor	I=AxH Conduit Investment
Digtl Circ - Pair Gain - C.O. - Hardwired - MCEP	257C	03	$474.3524	0.0078	$3.6772	0.1267	$60.0805	NA	$0.0000	NA	$0.0000
Digtl Circ - Pair Gain - C.O. - Combined - MCEP	257C	15	$7,683.9508	0.0078	$59.5660	0.1267	$973.2338	NA	$0.0000	NA	$0.0000
Digital Elec Switch - MDF	377C	05	$666.6489	0.0078	$5.1679	0.1267	$84.4364	NA	$0.0000	NA	$0.0000
				FRC 20C:	$68.4110	**FRC 10C:**	$1,117.7508	**FRC 1C:**	$0.0000	**FRC 4C:**	$0.0000

005017

Source: BSCC 2.4

Florida
J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

Description	FRC	Investment	A	B=AxFactor Depreciation & Factor	C=AxFactor Cost of Money & Factor	D=AxFactor Income Tax & Factor	E=AxFactor Plant Specific Expense & Factor	F=AxFactor Ad Valorem Expense & Factor	I=(B+C+D+E+F) Direct Cost
Buildings - COE	10C	$1,117.7508		$23.4308	$99.8293	$47.3555	$60.9577	$10.6354	$242.2086
				0.0210	0.0893	0.0424	0.0545	0.0095	
Poles	1C	$0.0000		$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
				0.0439	0.0723	0.0343	0.0204	0.0095	
Land - COE	20C	$68.4110		$0.0000	$7.6949	$3.6502	$0.0000	$0.6509	$11.9960
				0.0000	0.1125	0.0534	0.0000	0.0095	
Digtl Circ - Pair Gain	257C	$8,158.3031		$916.0401	$400.4146	$189.9425	$131.2916	$77.6263	$1,715.3150
				0.1123	0.0491	0.0233	0.0161	0.0095	
Digital Elec Switch	377C	$666.6489		$65.7372	$34.2280	$16.2365	$14.7223	$6.3432	$137.2671
				0.0986	0.0513	0.0244	0.0221	0.0095	
Conduit Systems	4C	$0.0000		$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
				0.0118	0.0823	0.0390	0.0026	0.0095	
		$10,011.1138							$2,106.7867
Monthly Cost(Total / 12):									$175.5656

005018

Source: BSCC 2.4

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

		A	B=Prev Rpt Col I	C	D=AxC	E=B+D
Description	**FRC**	**Investment**	**Direct Cost**	**Shared Cost Factor**	**Shared Cost**	**TELRIC**
Buildings - COE	10C	$1,117.7508	$242.2086	0.0001	$0.1118	$242.3204
Poles	1C	$0.0000	$0.0000	0.0137	$0.0000	$0.0000
Land - COE	20C	$68.4110	$11.9960	0.0000	$0.0000	$11.9960
Digtl Circ - Pair Gain	257C	$8,158.3031	$1,715.3150	0.0187	$152.5603	$1,867.8752
Digital Elec Switch	377C	$666.6489	$137.2671	0.0183	$12.1997	$149.4668
Conduit Systems	4C	$0.0000	$0.0000	0.0098	$0.0000	$0.0000
		$10,011.1138	$2,106.7867		$164.8717	$2,271.6584
Monthly Costs (Total / 12):			$175.5656		$13.7393	$189.3049

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

	Nonrecurring Cost					
	Installation - First			Installation - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$443.0897	$0.0000	$443.0897	$0.0000	$0.0000	$0.0000
OTHER EXPENSES:						
Total Cost	$443.0897	$0.0000	$443.0897	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$443.8487			$0.0000
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$471.5449			$0.0000

005020

Source: BSCC 2.4

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

	Nonrecurring Cost					
	Disconnect - First			Disconnect - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$377.7590	$0.0000	$377.7590	$0.0000	$0.0000	$0.0000
OTHER EXPENSES:						
Total Cost	$377.7590	$0.0000	$377.7590	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor		X	1.001713		X	1.001713
Cost (Including Gross Recepts Tax)			$378.4061			$0.0000
Common Cost Factor		X	1.0624		X	1.0624
Economic Cost			$402.0186			$0.0000

005021

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	JFC/ Payband	JFC/Payband Description	NRC Type	Installation Worktimes	Disconnect Worktimes	Direct Labor Rate	Installation Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost
COSMOS / SWITCH	2730	Network Services Clerical	First	4.0000	2.0000	$29.10	$116.4000	$58.2000	1.1563	$67.2980
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	3.0000	3.0000	$50.98	$152.9400	$152.9400	1.1563	$176.8481
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	221X	Complex Resale Support Group (CRSG)	First	0.7400	0.7400	$31.17	$23.0658	$23.0658	1.1563	$26.6715
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	SDWC	Systems Designer w/Sales Com	First	0.6700	0.6700	$51.17	$34.2839	$34.2839	1.1563	$39.6433
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
COSMOS / SWITCH	2730	Network Services Clerical	First	4.0000	2.0000	$29.10	$116.4000	$58.2000	1.1563	$67.2980
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$443.0897		**Total First**	$377.7590
						Total Add'l	$0.0000		**Total Add'l**	$0.0000

Source: BSCC 2.4

Florida

J.4.1 Line Sharing Splitter, per System 96 Line Capacity in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	JFC/ Payband	JFC/Payband Description	NRC Type	Installation Worktimes	Disconnect Worktimes	TELRIC Labor Rate	Installation Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost
COSMOS / SWITCH	2730	Network Services Clerical	First	4.0000	2.0000	$29.10	$116.4000	$58.2000	1.1563	$67.2980
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	3.0000	3.0000	$50.98	$152.9400	$152.9400	1.1563	$176.8481
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	221X	Complex Resale Support Group (CRSG)	First	0.7400	0.7400	$31.17	$23.0658	$23.0658	1.1563	$26.6715
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	SDWC	Systems Designer w/Sales Com	First	0.6700	0.6700	$51.17	$34.2839	$34.2839	1.1563	$39.6433
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
COSMOS / SWITCH	2730	Network Services Clerical	First	4.0000	2.0000	$29.10	$116.4000	$58.2000	1.1563	$67.2980
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$443.0897		**Total First**	$377.7590
						Total Add'l	$0.0000		**Total Add'l**	$0.0000

005023

Source: BSCC 2.4

Recurring Cost Summary

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

	Volume Sensitive				Volume Insensitive			
Description	Direct Cost	Shared Cost		TELRIC	Direct Cost	Shared Cost		TELRIC
Recurring Cost Development Reports	$43.8914	$3.4348		$47.3262	$0.0000	$0.0000		$0.0000
LABOR EXPENSES:								
OTHER EXPENSES:								
Total Monthly Cost	$43.8914	$3.4348		$47.3262	$0.0000	$0.0000		$0.0000
Gross Receipts Tax Factor			X	1.001713			X	1.001713
Cost (Including Gross Receipts Tax)				$47.4073				$0.0000
Common Cost Factor			X	1.0624			X	1.0624
Monthly Economic Cost				$50.3655				$0.0000

Total Monthly Economic Cost: $50.3655

005024

Source: BSCC 2.4

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

Description	FRC	Sub FRC	A Material	B Inflation Factor	C=AxB Adjusted Material	D1 Plug-in Inventory Factor	D2 Mat'l Factor	D3 Telco Factor	D4 Plug-in Factor	D5 Hardwire Factor	E=Cx(D1xD2 x...xD5) In-Plant Investment	F Supporting Equipment &/or Power Loading	G=ExF Total Investment
						In-Plant Factors (Default = 1)							
Digtl Circ - Pair Gain - C.O. - Hardwired - MCEP	257C	03	$46.8750	0.9800	$45.9375	NA	NA	NA	NA	2.5184	$115.6898	1.0251	$118.5881
Digtl Circ - Pair Gain - C.O. - Combined - MCEP	257C	15	$1,214.7500	0.9800	$1,190.4550	NA	1.5742	NA	NA	NA	$1,874.0393	1.0251	$1,920.9877
Digital Elec Switch - MDF	377C	05	$111.9939	1.0201	$114.2487	NA	1.3249	NA	NA	NA	$151.3633	1.1011	$166.6622
											$2,141.0924		$2,206.2380

005025

Source: BSCC 2.4

Recurring Cost Summary

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

			A=Prev Page Col G	B	C=AxB	D	E=AxD	F	G=AxF	H	I=AxH
Description	**FRC**	**Sub FRC**	**Investment**	**Land Factor**	**Land Investment**	**Building Factor**	**Building Investment**	**Pole Factor**	**Pole Investment**	**Conduit Factor**	**Conduit Investment**
Digtl Circ - Pair Gain - C.O. - Hardwired - MCEP	257C	03	$118.5881	0.0078	$0.9193	0.1267	$15.0201	NA	$0.0000	NA	$0.0000
Digtl Circ - Pair Gain - C.O. - Combined - MCEP	257C	15	$1,920.9877	0.0078	$14.8915	0.1267	$243.3085	NA	$0.0000	NA	$0.0000
Digital Elec Switch - MDF	377C	05	$166.6622	0.0078	$1.2920	0.1267	$21.1091	NA	$0.0000	NA	$0.0000
				FRC 20C:	$17.1028	**FRC 10C:**	$279.4377	**FRC 1C:**	$0.0000	**FRC 4C:**	$0.0000

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

Description	FRC	A Investment	B=AxFactor Depreciation & Factor	C=AxFactor Cost of Money & Factor	D=AxFactor Income Tax & Factor	E=AxFactor Plant Specific Expense & Factor	F=AxFactor Ad Valorem Expense & Factor	I=(B+C+D +E+F) Direct Cost
Buildings - COE	10C	$279.4377	$5.8577	$24.9573	$11.8389	$15.2394	$2.6588	$60.5522
			0.0210	0.0893	0.0424	0.0545	0.0095	
Poles	1C	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
			0.0439	0.0723	0.0343	0.0204	0.0095	
Land - COE	20C	$17.1028	$0.0000	$1.9237	$0.9125	$0.0000	$0.1627	$2.9990
			0.0000	0.1125	0.0534	0.0000	0.0095	
Digtl Circ - Pair Gain	257C	$2,039.5758	$229.0100	$100.1037	$47.4856	$32.8229	$19.4066	$428.8287
			0.1123	0.0491	0.0233	0.0161	0.0095	
Digital Elec Switch	377C	$166.6622	$16.4343	$8.5570	$4.0591	$3.6806	$1.5858	$34.3168
			0.0986	0.0513	0.0244	0.0221	0.0095	
Conduit Systems	4C	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
			0.0118	0.0823	0.0390	0.0026	0.0095	
		$2,502.7785						$526.6967
Monthly Cost(Total / 12):								$43.8914

005027

Source: BSCC 2.4

Recurring Cost Summary

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

		A	B=Prev Rpt Col I	C	D=AxC	E=B+D
Description	**FRC**	**Investment**	**Direct Cost**	**Shared Cost Factor**	**Shared Cost**	**TELRIC**
Buildings - COE	10C	$279.4377	$60.5522	0.0001	$0.0279	$60.5801
Poles	1C	$0.0000	$0.0000	0.0137	$0.0000	$0.0000
Land - COE	20C	$17.1028	$2.9990	0.0000	$0.0000	$2.9990
Digtl Circ - Pair Gain	257C	$2,039.5758	$428.8287	0.0187	$38.1401	$466.9688
Digital Elec Switch	377C	$166.6622	$34.3168	0.0183	$3.0499	$37.3667
Conduit Systems	4C	$0.0000	$0.0000	0.0098	$0.0000	$0.0000
		$2,502.7785	$526.6967		$41.2179	$567.9146
Monthly Costs (Total / 12):			$43.8914		$3.4348	$47.3262

820500 005028

Source: BSCC 2.4

Recurring Cost Summary

Florida
J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

	Nonrecurring Cost					
	Installation - First			Installation - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$210.2897	$0.0000	$210.2897	$0.0000	$0.0000	$0.0000
OTHER EXPENSES:						
Total Cost	$210.2897	$0.0000	$210.2897	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$210.6499			$0.0000
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$223.7945			$0.0000

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

	Nonrecurring Cost					
	Disconnect - First			Disconnect - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$243.1629	$0.0000	$243.1629	$0.0000	$0.0000	$0.0000
OTHER EXPENSES:						
Total Cost	$243.1629	$0.0000	$243.1629	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$243.5794			$0.0000
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$258.7788			$0.0000

005030

Source: BSCC 2.4

Recurring Cost Summary

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	**JFC/ Payband**	**JFC/Payband Description**	**NRC Type**	**Installation Worktimes**	**Disconnect Worktimes**	**Direct Labor Rate**	**Installation Cost**	**Disconnect Cost**	**Disconnect Discount Factor**	**Discounted Disconnect Cost**
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	3.0000	3.0000	$50.98	$152.9400	$152.9400	1.1563	$176.8481
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	221X	Complex Resale Support Group (CRSG)	First	0.7400	0.7400	$31.17	$23.0658	$23.0658	1.1563	$26.6715
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	SDWC	Systems Designer w/Sales Com	First	0.6700	0.6700	$51.17	$34.2839	$34.2839	1.1563	$39.6433
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$210.2897		**Total First**	$243.1629
						Total Add'l	$0.0000		**Total Add'l**	$0.0000

005031

Source: BSCC 2.4

Florida

J.4.2 Line Sharing Splitter, per System 24 Line Capacity in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	JFC/ Payband	JFC/Payband Description	NRC Type	Installation Worktimes	Disconnect Worktimes	TELRIC Labor Rate	Installation Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	3.0000	3.0000	$50.98	$152.9400	$152.9400	1.1563	$176.8481
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	221X	Complex Resale Support Group (CRSG)	First	0.7400	0.7400	$31.17	$23.0658	$23.0658	1.1563	$26.6715
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
Complex Resale Support Group	SDWC	Systems Designer w/Sales Com	First	0.6700	0.6700	$51.17	$34.2839	$34.2839	1.1563	$39.6433
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$210.2897		**Total First**	$243.1629
						Total Add'l	$0.0000		**Total Add'l**	$0.0000

005032

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

	Volume Sensitive			Volume Insensitive		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Recurring Cost Development Reports	$5.1510	$0.0001	$5.1510	$0.0000	$0.0000	$0.0000
LABOR EXPENSES:						
OTHER EXPENSES:						
Telcordia Solution	$2.0965	$0.0000	$2.0965	$0.0000	$0.0000	$0.0000
Total Monthly Cost	$7.2475	$0.0001	$7.2475	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Receipts Tax)			$7.2599			$0.0000
Common Cost Factor			X 1.0624			X 1.0624
Monthly Economic Cost			$7.7130			$0.0000

Total Monthly Economic Cost: $7.7130

005033

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

Description	FRC	Sub FRC	A Material	B Inflation Factor	C=AxB Adjusted Material	D1 Plug-in Inventory Factor	D2 Mat'l Factor	D3 Telco Factor	D4 Plug-in Factor	D5 Hardwire Factor	E=Cx(D1xD2 x...xD5) In-Plant Investment	F Supporting Equipment &/or Power Loading	G=ExF Total Investment
						In-Plant Factors (Default = 1)							
Intangibles - General Purpose Software RTU	460C	00	$192.6355	NA	$192.6355	NA	NA	NA	NA	NA	$192.6355	NA	$192.6355
General Purpose Computers/Data Cntr Env	530C	00	$17.3063	NA	$17.3063	NA	NA	NA	NA	NA	$17.3063	NA	$17.3063
General Purpose Computers/Data Controller & Work Sta Equip	630C	00	$0.7384	NA	$0.7384	NA	NA	NA	NA	NA	$0.7384	NA	$0.7384
											$210.6802		$210.6802

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

Description	FRC	Sub FRC	Investment	A=Prev Page Col G	Land Factor	B	Land Investment C=AxB	Building Factor	D	Building Investment E=AxD	Pole Factor	F	Pole Investment G=AxF	Conduit Factor	H	Conduit Investment I=AxH
Intangibles - General Purpose Software RTU	460C	00	$192.6355		NA		$0.0000	NA		$0.0000	NA		$0.0000	NA		$0.0000
General Purpose Computers/Data Cntr Env	530C	00	$17.3063		0.0282		$0.4874	0.5438		$9.4104	NA		$0.0000	NA		$0.0000
General Purpose Computers/Data Controller & Work Sta Equip	630C	00	$0.7384		0.0282		$0.0208	0.5438		$0.4015	NA		$0.0000	NA		$0.0000
					FRC 20C:		$0.5082	**FRC 10C:**		$9.8119	**FRC 1C:**		$0.0000	**FRC 4C:**		$0.0000

005035

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

Description	FRC	A Investment	B=AxFactor Depreciation & Factor	C=AxFactor Cost of Money & Factor	D=AxFactor Income Tax & Factor	E=AxFactor Plant Specific Expense & Factor	F=AxFactor Ad Valorem Expense & Factor	I=(B+C+D +E+F) Direct Cost
Buildings - COE	10C	$9.8119	$0.2057	$0.8763	$0.4157	$0.5351	$0.0934	$2.1262
			0.0210	0.0893	0.0424	0.0545	0.0095	
Poles	1C	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
			0.0439	0.0723	0.0343	0.0204	0.0095	
Land - COE	20C	$0.5082	$0.0000	$0.0572	$0.0271	$0.0000	$0.0048	$0.0891
			0.0000	0.1125	0.0534	0.0000	0.0095	
Intangibles - General Purpose Software RTU	460C	$192.6355	$38.5271	$9.3206	$4.4214	$0.0000	$1.8329	$54.1020
			0.2000	0.0484	0.0230	NA	0.0095	
Conduit Systems	4C	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
			0.0118	0.0823	0.0390	0.0026	0.0095	
General Purpose Computers/Data Cntr Env	530C	$17.3063	$3.6736	$0.9706	$0.4604	$0.0000	$0.1647	$5.2693
			0.2123	0.0561	0.0266	NA	0.0095	
General Purpose Computers/Data Controller & Work Sta Equip	630C	$0.7384	$0.1567	$0.0414	$0.0196	$0.0000	$0.0070	$0.2248
			0.2123	0.0561	0.0266	NA	0.0095	
		$221.0003						$61.8114

Monthly Cost(Total / 12): $5.1510

0005036

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

		A	B=Prev Rpt Col I	C	D=AxC	E=B+D
Description	**FRC**	**Investment**	**Direct Cost**	**Shared Cost Factor**	**Shared Cost**	**TELRIC**
Buildings - COE	10C	$9.8119	$2.1262	0.0001	$0.0010	$2.1272
Poles	1C	$0.0000	$0.0000	0.0137	$0.0000	$0.0000
Land - COE	20C	$0.5082	$0.0891	0.0000	$0.0000	$0.0891
Intangibles - General Purpose Software RTU	460C	$192.6355	$54.1020	NA	$0.0000	$54.1020
Conduit Systems	4C	$0.0000	$0.0000	0.0098	$0.0000	$0.0000
General Purpose Computers/Data Cntr Env	530C	$17.3063	$5.2693	NA	$0.0000	$5.2693
General Purpose Computers/Data Controller & Work Sta Equip	630C	$0.7384	$0.2248	NA	$0.0000	$0.2248
		$221.0003	$61.8114		$0.0010	$61.8124
Monthly Costs (Total / 12):			$5.1510		$0.0001	$5.1510

0005037

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

	Nonrecurring Cost					
	Installation - First			Installation - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$34.7899	$0.0000	$34.7899	$19.9215	$0.0000	$19.9215
OTHER EXPENSES:						
Total Cost	$34.7899	$0.0000	$34.7899	$19.9215	$0.0000	$19.9215
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$34.8495			$19.9556
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$37.0242			$21.2009

005038

Source: BSCC 2.4

Recurring Cost Summary

Florida
J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

	Nonrecurring Cost					
	Disconnect - First			Disconnect - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$18.3803	$0.0000	$18.3803	$9.0246	$0.0000	$9.0246
OTHER EXPENSES:						
Total Cost	$18.3803	$0.0000	$18.3803	$9.0246	$0.0000	$9.0246
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$18.4118			$9.0401
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$19.5607			$9.6042

Recurring Cost Summary

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	**JFC/ Payband**	**JFC/Payband Description**	**NRC Type**	**Installation Worktimes**	**Disconnect Worktimes**	**Direct Labor Rate**	**Installation Cost**	**Disconnect Cost**	**Disconnect Discount Factor**	**Discounted Disconnect Cost**
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	0.0833	0.0833	$50.98	$4.2483	$4.2483	1.1563	$4.9124
			Add'l	0.0208	0.0208		$1.0621	$1.0621		$1.2281
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0467	0.0467	$34.31	$1.6011	$1.6011	1.1563	$1.8514
			Add'l	0.0467	0.0467		$1.6011	$1.6011		$1.8514
Work Management Center	4WXX	Work Management Center (WMC)	First	0.0500	0.0500	$32.76	$1.6380	$1.6380	1.1563	$1.8941
			Add'l	0.0500	0.0500		$1.6380	$1.6380		$1.8941
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.4167	0.2000	$42.04	$17.5167	$8.4080	1.1563	$9.7224
			Add'l	0.1667	0.0833		$7.0067	$3.5033		$4.0510
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	0.0250	0.0000	$50.98	$1.2745	$0.0000	1.1563	$0.0000
			Add'l	0.0250	0.0000		$1.2745	$0.0000		$0.0000
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0047	0.0000	$34.31	$0.1601	$0.0000	1.1563	$0.0000
			Add'l	0.0047	0.0000		$0.1601	$0.0000		$0.0000
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.0550	0.0000	$42.04	$2.3122	$0.0000	1.1563	$0.0000
			Add'l	0.0750	0.0000		$3.1530	$0.0000		$0.0000
Installation & Maintenance	410X	Install & Mtce - Pots	First	0.1000	0.0000	$40.26	$4.0260	$0.0000	1.1563	$0.0000
			Add'l	0.1000	0.0000		$4.0260	$0.0000		$0.0000
Installation & Maintenance	410X	Install & Mtce - Pots	First	0.0500	0.0000	$40.26	$2.0130	$0.0000	1.1563	$0.0000
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$34.7899		**Total First**	$18.3803
						Total Add'l	$19.9215		**Total Add'l**	$9.0246

Source: BSCC 2.4

Florida

J.4.3 Line Sharing Splitter - per Line Activation in the Central Office (LSOD)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	JFC/ Payband	JFC/Payband Description	NRC Type	Installation Worktimes	Disconnect Worktimes	TELRIC Labor Rate	Installation Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	0.0833	0.0833	$50.98	$4.2483	$4.2483	1.1563	$4.9124
			Add'l	0.0208	0.0208		$1.0621	$1.0621		$1.2281
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0467	0.0467	$34.31	$1.6011	$1.6011	1.1563	$1.8514
			Add'l	0.0467	0.0467		$1.6011	$1.6011		$1.8514
Work Management Center	4WXX	Work Management Center (WMC)	First	0.0500	0.0500	$32.76	$1.6380	$1.6380	1.1563	$1.8941
			Add'l	0.0500	0.0500		$1.6380	$1.6380		$1.8941
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.4167	0.2000	$42.04	$17.5167	$8.4080	1.1563	$9.7224
			Add'l	0.1667	0.0833		$7.0067	$3.5033		$4.0510
Circuit Capacity Management	34XX	Ntwk & Eng Planning (FG20)	First	0.0250	0.0000	$50.98	$1.2745	$0.0000	1.1563	$0.0000
			Add'l	0.0250	0.0000		$1.2745	$0.0000		$0.0000
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0047	0.0000	$34.31	$0.1601	$0.0000	1.1563	$0.0000
			Add'l	0.0047	0.0000		$0.1601	$0.0000		$0.0000
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.0550	0.0000	$42.04	$2.3122	$0.0000	1.1563	$0.0000
			Add'l	0.0750	0.0000		$3.1530	$0.0000		$0.0000
Installation & Maintenance	410X	Install & Mtce - Pots	First	0.1000	0.0000	$40.26	$4.0260	$0.0000	1.1563	$0.0000
			Add'l	0.1000	0.0000		$4.0260	$0.0000		$0.0000
Installation & Maintenance	410X	Install & Mtce - Pots	First	0.0500	0.0000	$40.26	$2.0130	$0.0000	1.1563	$0.0000
			Add'l	0.0000	0.0000		$0.0000	$0.0000		$0.0000
						Total First	$34.7899		**Total First**	$18.3803
						Total Add'l	$19.9215		**Total Add'l**	$9.0246

005041

Source: BSCC 2.4

Nonrecurring Cost Summary

Florida

J.4.4 Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)

	Nonrecurring Cost					
	Installation - First			Installation - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$30.8018	$0.0000	$30.8018	$15.3871	$0.0000	$15.3871
OTHER EXPENSES:						
Total Cost	$30.8018	$0.0000	$30.8018	$15.3871	$0.0000	$15.3871
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$30.8546			$15.4135
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$32.7799			$16.3753

Nonrecurring Cost Summary

Florida

J.4.4 Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)

	Nonrecurring Cost					
	Disconnect - First			Disconnect - Additional		
Description	Direct Cost	Shared Cost	TELRIC	Direct Cost	Shared Cost	TELRIC
Nonrecurring Cost Development Reports	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
OTHER EXPENSES:						
Total Cost	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Gross Receipts Tax Factor			X 1.001713			X 1.001713
Cost (Including Gross Recepts Tax)			$0.0000			$0.0000
Common Cost Factor			X 1.0624			X 1.0624
Economic Cost			$0.0000			$0.0000

005043

Florida

J.4.4 Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	**JFC/ Payband**	**JFC/Payband Description**	**NRC Type**	**Installation Worktimes**	**Disconnect Worktimes**	**Direct Labor Rate**	**Installation Cost**	**Disconnect Cost**	**Disconnect Discount Factor**	**Discounted Disconnect Cost**
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0467	0.0000	$34.31	$1.6011	$0.0000	1.1563	$0.0000
			Add'l	0.0467	0.0000		$1.6011	$0.0000		$0.0000
Work Management Center	4WXX	Work Management Center (WMC)	First	0.1000	0.0000	$32.76	$3.2760	$0.0000	1.1563	$0.0000
			Add'l	0.1000	0.0000		$3.2760	$0.0000		$0.0000
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.6167	0.0000	$42.04	$25.9247	$0.0000	1.1563	$0.0000
			Add'l	0.2500	0.0000		$10.5100	$0.0000		$0.0000
						Total First	$30.8018		**Total First**	$0.0000
						Total Add'l	$15.3871		**Total Add'l**	$0.0000

005044

Source: BSCC 2.4

Florida

J.4.4 Line Sharing Splitter - per Subsequent Activity per Line Rearrangement (LSR)

				A	B	C	D=AxC	E=BxC	F	G=ExF
Function	JFC/ Payband	JFC/Payband Description	NRC Type	Installation Worktimes	Disconnect Worktimes	TELRIC Labor Rate	Installation Cost	Disconnect Cost	Disconnect Discount Factor	Discounted Disconnect Cost
Assignment Facility Inventory Group	4M1X	Address & Facility Inventory (AFIG)	First	0.0467	0.0000	$34.31	$1.6011	$0.0000	1.1563	$0.0000
			Add'l	0.0467	0.0000		$1.6011	$0.0000		$0.0000
Work Management Center	4WXX	Work Management Center (WMC)	First	0.1000	0.0000	$32.76	$3.2760	$0.0000	1.1563	$0.0000
			Add'l	0.1000	0.0000		$3.2760	$0.0000		$0.0000
CO Install & Mtce Field - Ckt & Fac	431X	CO Install & Mtce Field - Ckt & Fac	First	0.6167	0.0000	$42.04	$25.9247	$0.0000	1.1563	$0.0000
			Add'l	0.2500	0.0000		$10.5100	$0.0000		$0.0000
						Total First	$30.8018		**Total First**	$0.0000
						Total Add'l	$15.3871		**Total Add'l**	$0.0000

Source: BSCC 2.4

FLORIDA DOCKET NO. 000649-TP
APPENDIX E

Unbundled network element workpapers

	A	B	C	D
1	Florida			
2	Index Sheet			
3	Study Period: 2000 - 2002			
4				
5				
6				
7				
8				
9		**Sheet Name:**		**Description:**
10		Index		LINE SHARING SPLITTER - in the Central Office
11		Investments		CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA
12		Additives_Recurring		CALCULATOR INPUT FORM - RECURRING EXPENSES DATA
13		Additives_Nonrecurring		CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA
14		Recurring Labor		CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA
15		Nonrecurring Labor		CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES
16		INPUT_ NRC		Inputs for Nonrecurring Costs
17		INPUT_ Recur		Inputs for Recurring Costs
18		wp J.4.1		Development of Line Sharing Splitter Costs per Splitter System 96 Line Capacity in the Central Office
19		wp J.4.2		Development of Line Sharing Splitter Costs per Splitter System 24 Line Capacity in the Central Office
20		wp J.4.3		Development of Line Sharing Splitter Costs per Line Activation in the Central Office
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005047

CALCULATOR INPUT FORM - MATERIAL/INVESTMENT DATA

Instructions:

1. **Use this worksheet to record nonrecurring labor times to be input into the Calculator 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
FL	J.4.1	377C	05	$447.975	
FL	J.4.1	257C	03	$187.500	
FL	J.4.1	257C	15	$4,859.000	
FL	J.4.2	377C	05	$111.994	
FL	J.4.2	257C	03	$46.875	
FL	J.4.2	257C	15	$1,214.750	
FL	J.4.3	630C	00	$0.738	
FL	J.4.3	530C	00	$17.306	
FL	J.4.3	460C	00	$192.635	
	END				

CALCULATOR INPUT FORM - RECURRING EXPENSES DATA

Instructions:

1. **Use this worksheet to record nonrecurring labor times to be input into the Calculator 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 #	Recurring Expense Description (Limited to 25 characters)	Recurring Volume Sensitive $ Amount	Recurring Volume Insensitive $ Amount
FL	J.4.3	Telcordia Solution	$2.096	
	END	Maximum 10 entries per Cost Element #		

005049

CALCULATOR INPUT FORM - NONRECURRING EXPENSES DATA

Instructions:

1. **Use this worksheet to record nonrecurring labor times to be input into the Calculator 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.**
6. **Use column D when cost element has a single nonrecurring cost; use columns E & F for elements with a first and additional nonrecurring cost; use columns G & H for elements with an initial and subsequent nonrecurring cost.**

State	Cost Element #	Nonrecurring Expense Description (Limited to 25 characters)	Nonrecurring $ Amount	Nonrecurring First $ Amount	Nonrecurring Additional $ Amount	Nonrecurring Initial $ Amount	Nonrecurring Subsequent $ Amount
FL							
	END	Maximum 10 entries per Cost Element #					

	A	B	C	D	E	F	G	H
1		**CALCULATOR INPUT FORM - RECURRING LABOR EXPENSES DATA**						
2								
3		**Instructions:**						
4		**1. Use this worksheet to record nonrecurring labor times to be input into the Calculator calculations.**						
5		**2. All amounts shown are per unit (e.g., per call, per loop, per MOU).**						
6		**3. Input data, by Cost Element, leaving no blank lines. On next row**						
7		**after last line of data, type END in Cost Element Column.**						
8		**4. All data on this form should be cell-referenced to study workpapers.**						
9		**5. Do NOT change columns, headings, sheet name.**						
10								
11								
12								
13						**Work Time (Hours)**		
14		**Cost**	**Labor Expense Description**	**JFC/**	**Volume**	**Volume**		
15	**State**	**Element #**	**(Limited to 25 characters)**	**Payband**	**Sensitive**	**Insensitive**		
16	**FL**							
17		**END**	Maximum 20 entries per Cost Element #					
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34								
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005051

CALCULATOR INPUT FORM - NONRECURRING LABOR TIMES

Instructions:

1. Use this worksheet to record nonrecurring labor times to be input into the Calculator 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.
6. Use columns F & G when cost element has a single nonrecurring cost; use columns H, I, J, & K for elements with a first and additional nonrecurring cost; use columns L, M, N & O for elements with an initial and subsequent nonrecurring cost.
7. Input Cost Element Life (in months) on first row of data for each cost element. It is not necessary to repeat on each line.

Study Mid-Point Date (Mos.): 6/1/2001

State	Cost Element #	Cost Element Life (Mo)	Labor Expense Description (Limited to 25 characters)	JFC/ Payband	(For use w/ one NR) Installation Time (Hours)	(For use w/ one NR) Disconnect Time (Hours)	First Installation Time (Hours)	First Disconnect Time (Hours)	Additional Installation Time (Hours)	Additional Disconnect Time (Hours)	Initial Installation Time (Hours)	Initial Disconnect Time (Hours)	Subsequent Installation Time (Hours)	Subsequent Disconnect Time (Hours)
FL	J.4.1	43	COSMOS / SWITCH	2730			4.0000	2.0000	0.0000	0.0000				
FL	J.4.1	43	Circuit Capacity Management	34XX			3.0000	3.0000	0.0000	0.0000				
FL	J.4.1	43	Complex Resale Support Group	221X			0.7400	0.7400	0.0000	0.0000				
FL	J.4.1	43	Complex Resale Support Group	SDWC			0.6700	0.6700	0.0000	0.0000				
FL	J.4.2	43	COSMOS / SWITCH	2730			4.0000	2.0000	0.0000	0.0000				
FL	J.4.2	43	Circuit Capacity Management	34XX			3.0000	3.0000	0.0000	0.0000				
FL	J.4.2	43	Complex Resale Support Group	221X			0.7400	0.7400	0.0000	0.0000				
FL	J.4.2	43	Complex Resale Support Group	SDWC			0.6700	0.6700	0.0000	0.0000				
FL	J.4.3	43	Circuit Capacity Management	34XX			0.0833	0.0833	0.0208	0.0208				
FL	J.4.3	43	Assignment Facility Inventory Group	4M1X			0.0467	0.0467	0.0467	0.0467				
FL	J.4.3	43	Work Management Center	4WXX			0.0500	0.0500	0.0500	0.0500				
FL	J.4.3	43	CO Install & Mtce Field - Ckt & Fac	431X			0.4167	0.2000	0.1667	0.0833				
FL	J.4.3	43	Circuit Capacity Management	34XX			0.0250	0.0000	0.0250	0.0000				
FL	J.4.3	43	Assignment Facility Inventory Group	4M1X			0.0047	0.0000	0.0047	0.0000				
FL	J.4.3	43	CO Install & Mtce Field - Ckt & Fac	431X			0.0550	0.0000	0.0750	0.0000				
FL	J.4.3	43	Installation & Maintenance	410X			0.1000	0.0000	0.1000	0.0000				
FL	J.4.3	43	Installation & Maintenance	410X			0.0500	0.0000	0.0000	0.0000				
FL	J.4.4	43	Assignment Facility Inventory Group	4M1X			0.0467	0.0000	0.0467	0.0000				
FL	J.4.4	43	Work Management Center	4WXX			0.1000	0.0000	0.1000	0.0000				
FL	J.4.4	43	CO Install & Mtce Field - Ckt & Fac	431X			0.6167	0.0000	0.2500	0.0000				
	END		Maximum of 25 entries per Cost Element #											

005052

	A	B	C	D	E	F	G	H	I	J	K	L
1	Florida											
2	Inputs for Nonrecurring Costs											
3	Study Period: 2000 - 2002											
4	FL											
5								Time in Hours (Hrs)				
6	Item / Description				Cost Element	(For use w/ one NR)		First		Additional		Nonrecurring
7	Element	Description	JFC / JG / WS	Source	Life (mos.)	Install	Disconnect	Install	Disconnect	Install	Disconnect	Additive
8												
9	J.4	**LINE SHARING SPLITTER - In the Central Office**										
10												
11	J.4.1	**Line Sharing Splitter - per Splitter System 96-Line Capacity in the Cenral Office**			43							
12		Network	2730	COSMOS / SWITCH				4.0000	2.0000	0.0000	0.0000	
13		Engineering	34XX	Circuit Capacity Management				3.0000	3.0000	0.0000	0.0000	
14		Engineering	221X	Complex Resale Support Group				0.7400	0.7400	0.0000	0.0000	
15		Engineering	SDWC	Complex Resale Support Group				0.6700	0.6700	0.0000	0.0000	
16												
17	J.4.2	**Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office**			43							
18		Network	2730	COSMOS / SWITCH				4.0000	2.0000	0.0000	0.0000	
19		Engineering	34XX	Circuit Capacity Management				3.0000	3.0000	0.0000	0.0000	
20		Engineering	221X	Complex Resale Support Group				0.7400	0.7400	0.0000	0.0000	
21		Engineering	SDWC	Complex Resale Support Group				0.6700	0.6700	0.0000	0.0000	
22												
23	J.4.3	**Line Sharing Splitter - per Line Activation in the Central Office**			43							
24		Engineering	34XX	Circuit Capacity Management				0.0833	0.0833	0.0208	0.0208	
25		Engineering (8 min x 35% fallout)	4M1X	Assignment Facility Inventory Group				0.0467	0.0467	0.0467	0.0467	
26		Connect & Test	4WXX	Work Management Center				0.0500	0.0500	0.0500	0.0500	
27		Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac				0.4167	0.2000	0.1667	0.0833	
28		LST - Engineering (15 min x 10%)	34XX	Circuit Capacity Management				0.0250	0.0000	0.0250	0.0000	
29		LST - Eng (8 min x 35% fallout x 10%)	4M1X	Assignment Facility Inventory Group				0.0047	0.0000	0.0047	0.0000	
30		LST - Connect & Test (# min x 10%)	431X	CO Install & Mtce Field - Ckt & Fac				0.0550	0.0000	0.0750	0.0000	
31		LST - Connect & Test (60 min x 10%)	410X	Installation & Maintenance				0.1000	0.0000	0.1000	0.0000	
32		LST - Travel (30 min x 10%)	410X	Installation & Maintenance				0.0500	0.0000	0.0000	0.0000	
33												
34	J.4.4	**Line Sharing Splitter per Subsequent Activity per Line Rearrangement**			43							
35		Engineering (8 min x 35% fallout)	4M1X	Assignment Facility Inventory Group				0.0467	0.0000	0.0467	0.0000	
36		Connect & Test	4WXX	Work Management Center				0.1000	0.0000	0.1000	0.0000	
37		Connect & Test	431X	CO Install & Mtce Field - Ckt & Fac				0.6167	0.0000	0.2500	0.0000	
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005053

	A	B	C	D	E	F
1	Florida					
2	Inputs for Recurring Costs					
3	Study Period: 2000 - 2002					
4	FL					
5						
6		Item / Description				
7	Element	Description	FRC	Sub FRC	Source	Amount
8						
9	**J.4**	**LINE SHARING SPLITTER - In the Central Office**				
10						
11	**J.4.1**	**Line Sharing Splitter - per Splitter System 96-Line Capacity in the Cenral Office**				
12		**Distributing Frame**				
13		Material Price	377C	05	Network Planning & Support	
14		Projected Actual Utilization			Network Planning & Support	
15		Circuit Capacity			Network Planning & Support	7,200
16		Number Required (3 terms on MDF / Line)			Network Planning & Support	300
17		**Connecting Blocks**				
18		Material Price	377C	05	Network Planning & Support	
19		Projected Actual Utilization			Network Planning & Support	
20		System Capacity			Network Planning & Support	1
21		Number Required			Network Planning & Support	4
22		**Line Sharing Splitter (Bay)**	257C	03		
23		Material Price			Network Planning & Support	
24		Projected Actual Utilization			Network Planning & Support	
25		System Capacity			Network Planning & Support	8
26		Number Required			Network Planning & Support	1
27		**Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)**				
28		Material Price per System	257C	15	Network Planning & Support	
29		Projected Actual Utilization			Network Planning & Support	
30		System Capacity			Network Planning & Support	1
31		Number Required			Network Planning & Support	1
32						
33	**J.4.2**	**Line Sharing Splitter - per Splitter System 24-Line Capacity in the Central Office**				
34		**Distributing Frame**				
35		Material Price	377C	05	Network Planning & Support	
36		Projected Actual Utilization			Network Planning & Support	
37		Circuit Capacity			Network Planning & Support	7,200
38		Number Required (3 terms on MDF / Line)			Network Planning & Support	75
39		**Connecting Blocks**				
40		Material Price	377C	05	Network Planning & Support	
41		Projected Actual Utilization			Network Planning & Support	
42		System Capacity			Network Planning & Support	1
43		Number Required			Network Planning & Support	1
44		**Line Sharing Splitter (Bay)**				
45		Material Price	257C	03	Network Planning & Support	
46		Projected Actual Utilization			Network Planning & Support	
47		System Capacity			Network Planning & Support	32
48		Number Required			Network Planning & Support	1
49		**Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)**				
50		Material Price per System	257C	15	Network Planning & Support	
51		Projected Actual Utilization			Network Planning & Support	

	A	B	C	D	E	F
52		System Capacity			Network Planning & Support	4
53		Number Required			Network Planning & Support	1
54						
55	J.4.3	**Line Sharing Splitter - per Line Activation in the Central Office**				
56		**Telcordia Solution**				
57		**Software Monthly Expense**			Network Planning & Support	
58		Adjustment Factor			BST Finance	
59		Software Monthly Expense			BST Finance	$426,884.00
60		**LEIS/LEAD Investment**	630C	00	Network Planning & Support	
61		Adjustment Factor			BST Finance	
62		LEIS/LEAD Investment			BST Finance	$150,357
63		**LEIS/LEAD Investment**	530C	00	Network Planning & Support	
64		Adjustment Factor			BST Finance	
65		LEIS/LEAD Investment			BST Finance	$3,523,871
66		**Telcordia SW & HW Investment**	460C	00	Network Planning & Support	
67		Adjustment Factor			BST Finance	
68		SW & HW Investment			BST Finance	$39,223,970
69		In-Service Mid-Year Demand Year 1			Network Planning & Support	8,965
70		In-Service Mid-Year Demand Year 2			Network Planning & Support	66,831
71		In-Service Mid-Year Demand Year 3			Network Planning & Support	183,292
72		In-Service Mid-Year Demand Year 4			Network Planning & Support	318,377
73		In-Service Mid-Year Demand Year 5			Network Planning & Support	440,625
74		Economic Life of Software & Hardware (years)			BST Finance	5
75						
76						
77						
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	A	B	C	D	E
1	Florida				
2	Development of Line Sharing Splitter Costs per Splitter System 96 Line Capacity in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.1				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8	**Distributing Frame**				
9					
10	Material Price			INPUT_ Recur Line 13	[redacted]
11					
12	Projected Actual Utilization			INPUT_ Recur Line 14	[redacted]
13					
14	Circuit Capacity			INPUT_ Recur Line 15	7,200
15					
16	Number Required (3 terms on MDF / Line)			INPUT_ Recur Line 16	300
17					
18	Utilized Material Price per System	**377C**	**05**	Line 10 / Line 12 / Line 14 x Line 16	$207.975
19					
20	**Connecting Blocks**				
21					
22	Material Price			INPUT_ Recur Line 18	[redacted]
23					
24	Projected Actual Utilization			INPUT_ Recur Line 19	[redacted]
25					
26	System Capacity			INPUT_ Recur Line 20	1
27					
28	Number Required			INPUT_ Recur Line 21	4
29					
30	Utilized Material Price per System	**377C**	**05**	Line 22 / Line 24 / Line 26 x Line 28	$240.000
31					
32	Utilized Material Price per System	**377C**	**05**	Line 18 + Line 30	$447.975
33					
34	**Line Sharing Splitter (Bay)**				

	A	B	C	D	E
35					
36	Material Price			INPUT_ Recur Line 23	[redacted]
37					
38	Projected Actual Utilization			INPUT_ Recur Line 24	[redacted]
39					
40	System Capacity			INPUT_ Recur Line 25	8
41					
42	Number Required			INPUT_ Recur Line 26	1
43					
44	Utilized Material Price per System	**257C**	**03**	Line 36 / Line 38 / Line 40 x Line 42	$187.500
45					
46	**Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)**				
47					
48	Material Price per System			INPUT_ Recur Line 28	[redacted]
49					
50	Projected Actual Utilization			INPUT_ Recur Line 29	[redacted]
51					
52	System Capacity			INPUT_ Recur Line 30	1
53					
54	Number Required			INPUT_ Recur Line 31	1
55					
56	Utilized Material Price per System	**257C**	**15**	Line 48 / Line 50 / Line 52 x Line 54	$4,859.000

005057

	A	B	C	D	E
1	Florida				
2	Development of Line Sharing Splitter Costs per Splitter System 24 Line Capacity in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.2				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8	**Distributing Frame**				
9					
10	Material Price			INPUT_ Recur Line 35	[redacted]
11					
12	Projected Actual Utilization			INPUT_ Recur Line 36	[redacted]
13					
14	Circuit Capacity			INPUT_ Recur Line 37	7,200
15					
16	Number Required (3 terms on MDF / Line)			INPUT_ Recur Line 38	75
17					
18	Utilized Material Price per System	**377C**	**05**	Line 10 / Line 12 / Line 14 x Line 16	$51.994
19					
20	**Connecting Blocks**				
21					
22	Material Price			INPUT_ Recur Line 40	[redacted]
23					
24	Projected Actual Utilization			INPUT_ Recur Line 41	[redacted]
25					
26	System Capacity			INPUT_ Recur Line 42	1
27					
28	Number Required			INPUT_ Recur Line 43	1.00
29					
30	Utilized Material Price per System	**377C**	**05**	Line 22 / Line 24 / Line 26 x Line 28	$60.000
31					
32	Utilized Material Price per System	**377C**	**05**	Line 18 + Line 30	$111.994
33					
34	**Line Sharing Splitter (Bay)**				

005058

	A	B	C	D	E
35					
36	Material Price			INPUT_ Recur Line 45	[redacted]
37					
38	Projected Actual Utilization			INPUT_ Recur Line 46	[redacted]
39					
40	System Capacity			INPUT_ Recur Line 47	32
41					
42	Number Required			INPUT_ Recur Line 48	1
43					
44	Utilized Material Price per System	**257C**	**03**	Line 36 / Line 38 / Line 40 x Line 42	$46.875
45					
46	**Line Sharing Splitter (Shelf, Test Eqpt, Plug-ins & Cabling)**				
47					
48	Material Price per System			INPUT_ Recur Line 50	[redacted]
49					
50	Projected Actual Utilization			INPUT_ Recur Line 51	[redacted]
51					
52	System Capacity			INPUT_ Recur Line 52	4
53					
54	Number Required			INPUT_ Recur Line 53	1
55					
56	Utilized Material Price per System	**257C**	**15**	Line 48 / Line 50 / Line 52 x Line 54	$1,214.750

005059

	A	B	C	D	E
1					
2	Development of Line Sharing Splitter Costs per Line Activation in the Central Office				
3	Study Period: 2000 - 2002				
4					
5	Element #: J.4.3				
6	Item / Description				
7	Description	FRC	Sub FRC	Source	Amount
8	**Telcordia Solution**				
9					
10	In-Service Mid-Year Demand Year 1			INPUT_ Recur Line 69	8,965
11					
12	In-Service Mid-Year Demand Year 2			INPUT_ Recur Line 70	66,831
13					
14	In-Service Mid-Year Demand Year 3			INPUT_ Recur Line 71	183,292
15					
16	In-Service Mid-Year Demand Year 4			INPUT_ Recur Line 72	318,377
17					
18	In-Service Mid-Year Demand Year 5			INPUT_ Recur Line 73	440,625
19					
20	Total In-Service Mid-Year Demand			Sum(Line 10...Line 18)	1,018,088
21					
22	Economic Life of Software & Hardware (years)			INPUT_ Recur Line 74	5
23					
24	Average In-Service Mid-Year Demand			Line 20 / Line 22	203,618
25					
26	**Software Monthly Expense**			INPUT_ Recur Line 59	$426,884.00
27					
28	Average In-Service Mid-Year Demand			Line 24	203,618
29					
30	Average Monthly Software Implementation Expense			Line 26 / Line 28	$2.096
31					
32	**LEIS/LEAD Investment**	**630C**	**.00**	INPUT_ Recur Line 62	$150,357
33					
34	Average In-Service Mid-Year Demand			Line 24	203,618

005060

	A	B	C	D	E
35					
36	Average LEIS/LEAD Investment per Line			Line 32 / Line 34	$0.738
37					
38	**LEIS/LEAD Investment**	**530C**	**00**	INPUT_ Recur Line 65	$3,523,871
39					
40	Average In-Service Mid-Year Demand			Line 24	203,618
41					
42	Average LEIS/LEAD Investment per Line			Line 38 / Line 40	$17.306
43					
44	**SW & HW Investment**	**460C**	**00**	INPUT_ Recur Line 68	$39,223,970
45					
46	Average In-Service Mid-Year Demand			Line 24	203,618
47					
48	Average SW & HW Investment per Line			Line 44 / Line 46	$192.635
49					
50					
51					
52					
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60					