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September 2, 1998

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. 980696-TP

Dear Ms. Bayó:

Enclosed is an original and fifteen copies of BellSouth Telecommunications, Inc.'s Rebuttal Testimony of Dr. Randall S. Billingsley, Dr. Robert M. Bowman, D. Daonne Caldwell, G. David Cunningham, Dr. Kevin Duffy-Deno, Georgetown Consulting Group, Peter F. Martin and Dr. William E. Taylor, 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,

J. Phillip Carver (BW)

J. Phillip Carver

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Enclosures

cc: All parties of record
A. M. Lombardo
R. G. Beatty
William J. Ellenberg II (w/o enclosures)

CERTIFICATE OF SERVICE
DOCKET NO. 980696-TP (HB4785)

I HEREBY CERTIFY that a true and correct copy of the foregoing was served via Federal Express this 2nd day of September, 1998 to the following:

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

ORIGINAL

In Re: Determination of the Cost of Basic Local Telecommunications Service, pursuant to Section 364.025, Florida Statutes	Docket No. 980696-TP

Rebuttal Testimony of Jamshed K. Madan, Michael D. Dirmeier and David C. Newton on Behalf of BellSouth Telecommunications, Inc.

Submitted
September 2, 1998

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I.
Affiliation, Scope of Engagement and Purpose of Testimony

Q. PLEASE STATE YOUR NAMES AND BUSINESS AFFILIATIONS.

A. My name is Jamshed K. Madan. I am a founding Principal of Georgetown Consulting Group, Inc. (GCG or Georgetown). The business address of Georgetown is 456 Main Street, Ridgefield, Connecticut.

My name is Michael D. Dirmeier. I am a Principal of Georgetown.

My name is David C. Newton. I am a consulting telecommunications network engineer. My business address is 75 Squires Glen, Madison, Connecticut.

Q. PLEASE STATE ON WHOSE BEHALF YOU OFFER THIS TESTIMONY, ITS SCOPE AND ITS PURPOSE.

A. This testimony is offered on behalf of BellSouth Telecommunications, Inc. (BellSouth). BellSouth has previously engaged Georgetown to evaluate the application of Hatfield Model Release 4.0 ("HM R4.0") made by AT&T and MCI in various state proceedings where the issue was prices for unbundled network elements ("UNEs"). In each of those cases, Georgetown rebutted the contention of AT&T and MCI that their application of HM R4.0 resulted in reasonable UNE prices, showing that the inputs to HM R4.0 selected by AT&T and MCI fail to reflect the conditions of the territory of BellSouth and fail to be reasonable and forward-looking. In those cases, Georgetown also applied HM R4.0 utilizing inputs it developed that do reflect the conditions of the territory of BellSouth, are reasonable and are forward-looking. Thus, if one were to accept HM R4.0 for use in developing UNE prices, Georgetown's application would be appropriate because it reflects proper inputs.

In this case, MCI and AT&T have applied HAI Model Release 5.0a ("HAI R5.0a") for purposes of determining the economic cost of providing basic local telecommunications service at the wire center level. The model used in this proceeding, HAI R5.0a, is different from the model (HM R4.0) used by MCI and AT&T witnesses in other state proceedings. If the identical inputs are applied to both HM R4.0 and HAI R5.0a the outputs would be different, with HAI R5.0a producing lower cost and universal service fund requirements. Indeed, the HAI and Hatfield models were originally developed for application to universal service funding issues. The outputs of HAI R5.0a include not only UNE prices, but universal service support outputs as well. The purpose of this testimony is to rebut the contention by MCI and AT&T that their application of HAI R5.0a in this case for purposes of developing the economic cost of providing basic local telecommunications service at the wire center level is reasonable (hereafter, the MCI and AT&T application of HAI R5.0a in this case is referred to as the "MCI/AT&T HAI R5.0a Application").

We evaluated the reasonableness of the MCI/AT&T HAI R5.0a Application by focusing on the nature and quality of the inputs selected by MCI and AT&T to apply HAI R5.0a. We did not evaluate the logic and structure of HAI R5.0a, except as necessary to determine the use made by HAI R5.0a of user adjustable inputs ("UAIs").

The MCI/AT&T HAI R5.0a Application is not reasonable for use in this case because the default values selected by MCI and AT&T for sensitive user adjustable inputs ("SUAIs") do not meet the requirement of both reflecting the conditions of the territory of BellSouth Florida and being reasonable and forward-looking. Georgetown has applied HAI R5.0a on the basis of values for SUAIs that do meet the requirement of both reflecting the conditions of the territory of BellSouth-Florida and being reasonable and forward-looking. Georgetown's application of HAI R5.0a is referred to hereafter as the "GCG HAI R5.0a Application."

Attached as Appendix A and incorporated herein by reference is a Glossary of Defined Terms that will assist in reading this prefiled testimony.

II.
Statement of Qualifications

Q. MR. MADAN, PLEASE STATE YOUR BACKGROUND AND EXPERIENCE.

A. I graduated from the Massachusetts Institute of Technology in 1966 with a Bachelor of Science Degree in Electrical Engineering. I continued my graduate studies at M.I.T., graduating in 1968 with a Master of Science Degree in Management from the Alfred P. Sloan School of Management.

From August, 1968 through April, 1979 I was employed primarily by Touche Ross & Co., an international public accounting firm. I was promoted to Principal in September 1977 and held the position of National Director of Regulatory Consulting. I left Touche Ross & Co. to become a founding Principal of Georgetown in May, 1979.

I have testified extensively on public utility matters before various regulatory bodies. My resume is attached to this prefiled rebuttal testimony as Appendix B and incorporated herein by reference.

Q. MR. DIRMEIER, PLEASE STATE YOUR BACKGROUND AND EXPERIENCE.

A. I received a Bachelors of Science degree in Physics in 1971 from Texas A&M University. In 1973 I received my Masters of Business Administration in Finance from The University of Chicago. I also hold a Certificate in Management Accounting.

From January, 1974 to June, 1976, I was employed by The Bendix Corporation as a financial planning analyst. From July, 1976 to April, 1979, I held the position of consultant and senior consultant in the consulting division of Touche Ross & Co. In 1979 I joined Georgetown, where since 1983, I have held the position of Principal.

I have testified on numerous occasions before various regulatory bodies. My resume is attached as Appendix C and incorporated herein by reference.

Q. MR. NEWTON, PLEASE DESCRIBE YOUR BACKGROUND AND EXPERIENCE.

A. I have spent 32 years in telecommunications network design, planning and implementation. The first 27 of those years was spent in service with the Southern New England Telephone Company, where during the last 10 years I served in a series of management positions directing network design, planning and deployment. Since 1991, I have served as a consulting telecommunications network engineer, advising clients and testifying in regulatory proceedings on a variety of network matters. My resume is attached as Appendix D and incorporated herein by reference.

Q. PLEASE EXPLAIN THE DIVISION OF RESPONSIBILITY WITHIN THIS PANEL TESTIMONY.

A. Mr. Madan has overall responsibility for the analyses made and the conclusions reached in this rebuttal testimony. He serves as the principal spokesman. Mr. Dirmeier is responsible for evaluating and applying various Hatfield Models, specifically V2.2.2, HM R3.1, HM R4.0 and HAI R5.0a. Mr. Madan and Mr. Dirmeier share responsibility for developing the alternative values for SUAIs used by GCG to apply HAI R5.0a. Mr. Newton is responsible for certain engineering and network analyses that have assisted Mr. Madan and Mr. Dirmeier in critiquing the default values advocated by MCI and AT&T and in fashioning the alternative values utilized by GCG in its application of HAI R5.0a.

III.
Summary of Findings

Q. PLEASE SUMMARIZE YOUR EVALUATION OF THE MCI/AT&T HAI R5.0a APPLICATION.

A. The logic and validity of HAI R5.0a and the propriety of using HAI R5.0a to develop universal service support analyses, are issues beyond the scope of this testimony. We offer no opinion on the propriety of using HAI R5.0a whether it is applied for the purpose of developing UNE prices or developing costs for use in determining universal service support. We simply assume the use of HAI R5.0a for purposes of our analyses. We evaluate the MCI/AT&T HAI R5.0a Application for reasonableness by critiquing the default values selected by MCI and AT&T for the user adjustable inputs ("UAIs"), particularly sensitive user adjustable inputs

Q. HAVE YOU DEVELOPED ALTERNATIVE VALUES FOR SUAIs FOR USE WITH HAI R5.0a?

A. Yes. We have developed values for the SUAIs that reflect conditions of the territory of BellSouth-Florida conditions and that are properly forward-looking, except for values for cost of capital and depreciation, which BST developed and which we have adopted. We have used those values to apply HAI R5.0a, without changing its logic.

The following charts show the MCI/AT&T results and the GCG results for both UNE prices and universal service support levels.

	MCI/AT&T HAI R5.0a APPLICATION	GCG HAI R5.0a APPLICATION
AVG. LOOP PRICE	$ 9.90	$ 20.14
SWITCHING PRICE	$ 3.78	$ 7.00

	BENCHMARK $/MO	MCI/AT&T HAI R5.0a APPLICATION[1] ($000s)	GCG HAI R5.0a APPLICATION[2] ($000s)
Annual Universal Service Support:			
1. Primary Residence Lines	$ 31.00	$ 13,045	$ 103,768
2. Single Line Business Lines	51.00	18	511
3. Total		13,063	104,279

[1] The amounts reflected in this table corresponding to Mr. Wood's position are based on the R50a_expense_wirecenter.xls module which is part of the Wood-filed HAI R5.0a Model.

On his filed CD-ROM, Mr. Wood uses a benchmark value of $0.00 for both Primary Residence Lines and Single Line Business Lines. This results in total annual support of $0.00 since the HAI Model's coding is such that, if the input benchmarks are $0.00, the Model reports $0.00 of support.

In addition, the Wood-filed CD-ROM contains an output file (FLBS_FIL.xls) that is different from the one that is produced when HAI 5.0a is run. Exhibit DJW-5 reflects the same values for Residence [and Business] usage per line as are reported in FLBS_FIL.xls. However, that file appears to include some logic modifications and at least one error, as compared to the output of HAI R5.0a. Nonetheless, when $31 and $51 are input in FLBS_FIL.xls as benchmark values for Primary Residence Lines and Single Line Business Lines, respectively, a total annual USF support of $15,116,826 is computed.

[2] Average of DLC systems, Exhibit (GCG-17).

IV.
The Analyses Performed

Q. PLEASE DESCRIBE THE ANALYSES MADE BY GEORGETOWN.

A. We examined HAI R5.0a in order to determine how UAIs affect results. We identified groups of UAIs that are related by the Model's logic and we tested the Model's sensitivity to changes in the values for those groups. For example, HAI R5.0a utilizes several UAIs (including inputs B13, B16, B46 and B54 and B56) to determine costs associated with Copper Feeder Investment. The results of HAI R5.0a were considered sensitive to a group of UAIs (such as the group related to Copper Feeder Investment) if a change in one or more of the default values for the related UAIs changed average loop price or switching price by 1% or more.

For those groups of UAIs determined to be sensitive, we examined whether the default values chosen for them by MCI and AT&T reflect the conditions of the territory of BellSouth-Florida and reflect the cost or other conditions reasonably expected to occur in the future. Where the default values for those groups of SUAIs failed that standard, we fashioned alternative values to meet it. We did so by looking at current cost and other data specific to BellSouth-Florida, stripping it of any embedded characteristics, and then fashioned the type of forward-looking cost or other data value required for use by HAI R5 0a. Fourteen groups of UAIs were determined to be sensitive and in need of alternative values to replace the default values by MCI and AT&T.

The Hatfield Models we reviewed, V2.2.2, HM R3.1, HM R4.0, and HAI R5.0a, each have their own UAI databases containing default values. We compared the default values for certain UAIs common between Appendix 5B (the UAI database associated with V2.2.2), Appendix B-3.1 (the UAI database associated with HM R3.1), Appendix B-4.0 (the UAI database associated with HM R4.0), and Appendix B-5.0a (the UAI database associated with HAI R5.0a). We made this comparison in order to test the consistency of the default values contained in successive UAI databases.

We applied HAI R5.0a on the basis of the alternative values that we developed for the SUAIs. Thus, we applied HAI R5.0a based on its logic, but also on the basis of values for the SUAIs that reflect the conditions of the territory of BellSouth-Florida and that reflect cost or other conditions reasonably expected to occur in the future.

V.
Sensitive Inputs: Values Selected for Certain User Adjustable Inputs Significantly Affect Prices and Universal Service Support

Q. PLEASE DESCRIBE THE GENERAL COMPONENTS OF THE MCI/AT&T HAI R5.0a FILING.

A. The HAI Model filing made by MCI and AT&T in these Dockets consists of two components: (1) the HAI Model itself (HAI R5.0a) and (2) the databases used to drive HAI R5.0a. Since we have taken as a given the application of HAI R5.0a in this case, without validating or endorsing any HAI Model, the focus properly is on the databases used to apply HAI R5.0a.

Q. PLEASE IDENTIFY THE DATABASES USED BY THE MCI/AT&T HAI R5.0a APPLICATION.

A. There are essentially two databases used in the MCI/AT&T HAI R5.0a Application: (1) a voluminous set of cluster data[4] related to Florida and (2) a set of data values that make up a UAI database. The values for the cluster data are fixed, *i.e.*, they are not intended to be user adjustable. The values for the UAIs are not fixed. Indeed, they are designed to be adjusted to reflect the conditions of the carrier for which prices are being developed. We focused on the data values for the UAIs that make up the UAI database.

Q. PLEASE DESCRIBE THE MAKEUP OF THE UAIs.

A. Appendix B-5.0a to the HAI R5.0a model documentation identifies 201 UAIs. These UAIs are identified in Appendix B-5.0a as B1 through B201.

As defined in Appendix B-5.0a, each UAI has one or more data values associated with it. For example, UAI B1, NID Investment per line, has nine data values associated with it. Similarly, there are two data values associated with UAI B7, Terminal and Splice Investment per line.

In total, Appendix B-5.0a identifies about 1,075 data values associated with its 201 UAIs. Those data values are the default values that HAI R5.0a uses if no other data values are substituted for any specific UAI. These default values are generic in nature and national in scope, and largely form the basis for MCI and AT&T filings in numerous states across the nation. HAI R5.0a is designed, however, so that data values for UAIs can be customized.

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[4] Cluster data includes information concerning customer counts, locations and geophysical characteristics of the service territory.

Q. ARE THE UAIs READILY OBTAINABLE VALUES, OR DOES A USER OF THE HAI MODEL HAVE TO MAKE OTHER COMPUTATIONS IN ORDER TO DERIVE THE INPUTS?

A. Most, if not all of the UAIs are themselves the result of other computations. For example, the development of UAI B1, NID Investment per Line, requires computation of the components of a NID and drop, including the protector and the interface, to ensure that the UAI derived for use by the model is consistent with the use made of it by the Model. In many instances, it is necessary to perform analyses and make computations from relevant and specific information from BellSouth-Florida in order to develop the prope value for the UAI. The point is that the UAIs required by the HAI Model are not readily available "on-the-shelf" values -- they must be carefully developed.

Q. PLEASE DESCRIBE THE SENSITIVITY ANALYSES YOU PERFORMED.

A. As noted earlier in this testimony (see Part IV), the logic of HAI R5.0a treats certain UAIs as related. We identified the groups of related UAIs, and we ran HAI R5.0a to determine the degree to which changes in the default values associated with those groups caused the output of HAI R5.0a to vary in a meaningful way. Specifically, we looked at the default values for a group of related UAIs, adjusted the values for those related UAIs up or down and, holding constant the default values for all other UAIs, ran HAI R5.0a to determine whether its results were sensitive to the change in those default values. We defined sensitive to mean that the change in the data values for the related UAIs within a group caused the output of HAI R5.0a, namely, average loop price and aggregate switching price, to change by 1% or more. We focused on those groups of related UAIs that both appeared sensitive and for which one or more of the default values for the group appeared questionable. Thus, the groups of related UAIs that we have identified as sensitive (*i.e.*, that are SUAIs) are ones that (1) have one or more questionable default values and (2) change average loop or aggregate switching price 1% or more when alternative values are substituted for the questionable default values.

Q. WHAT RESULTS DO YOUR SENSITIVITY ANALYSES SHOW?

A. Our sensitivity analyses show that 14 groups of related UAIs, encompassing about 70 out of 201 specific UAIs, are sensitive. The remaining UAIs do not individually or as a group significantly affect the end result of applying HAI R5.0a. Attached as Exhibit__(GCG-1), and incorporated herein by reference, is a list identifying the 14 groups of related UAIs that are sensitive, *i.e.*, that identifies 14 groups of SUAIs.

Q. HAVE YOU TESTED TO ENSURE THAT THE INSENSITIVE INPUTS, TAKEN TOGETHER, PRODUCE NO SIGNIFICANT CHANGE IN THE OUTPUT OF HAI R5.0a?

A. Yes. We changed each default value of the insensitive UAIs in a direction that <u>decreases</u> loop and switching price. We adjusted them in a magnitude that cannot necessarily be deemed to be within a range that is reasonable. Moreover, we ran <u>all</u> of these changes together in combination. On a <u>combined basis</u>, the total loop and switching price decreased by less than $1.

Q. WHAT CONCLUSION DO YOU DRAW BASED ON THE SENSITIVITY ANALYSES THAT YOU PERFORMED?

A. The default values selected for the 14 groups of SUAIs have a significant effect on the results derived by applying HAI R5.0a. Therefore, it is essential that the data values selected for use with those SUAIs reflect the conditions of the territory of BellSouth-Florida and reflect cost and other conditions reasonably expected to occur in the future. Otherwise, the Commission will not have developed loop and switching prices and universal service support levels that are specific to the territory of BellSouth-Florida and reasonable for use in this case.

Q. YOU HAVE PREVIOUSLY INDICATED THAT THE MCI/AT&T HAI R5.0a APPLICATION PRODUCES AN AVERAGE LOOP PRICE OF $9.90, AGGREGATE SWITCHING PRICE OF $3.78 AND TOTAL PRICE OF $13.68, WHILE THE GCG HAI R5.0a APPLICATION PRODUCES AN AVERAGE LOOP PRICE OF $20.14, AGGREGATE SWITCHING PRICE OF $7.00 AND TOTAL PRICE OF $27.14. YOU HAVE ALSO INDICATED THAT YOUR SENSITIVITY ANALYSES IDENTIFY 14 GROUPS OF SUAIs. CAN YOU INDICATE HOW THE DIFFERENCE BETWEEN THE AT&T HAI R5.0a APPLICATION ($13.68 TOTAL) AND THE GCG HAI R5.0a APPLICATION ($27.14 TOTAL) IS ACCOUNTED FOR BY THE 14 GROUPS OF SUAIs?

A. Yes. The chart on the following page shows how the 14 groups of SUAIs account for the relative differences in average loop and aggregate switching prices between the MCI/AT&T result ($13.68 total) and the GCG result ($27.14 total). The reconciliation is not exact, *i.e.*, it does not add up exactly to GCG's HAI R5.0a Application result of $27.14, because the relative differences shown in the chart below for each of the 14 SUAI groups are calculated on a stand-alone basis by making 14 separate model runs. The most precise application of HAI R5.0a is to utilize alternative values for all 14 of the SUAIs all at the same time in one HAI R5.0a run, so that each alternative value affects the other interactively. Of course, GCG has done exactly that in order to establish its results from the GCG HAI R5.0a Application ($27.14 total). However, such a methodology does not show the relative effects of each of the 14 SUAI groups.

	Loop	Agg. Switching	Total
MCI/AT&T HAI R5.0a Application	$ 9.90	$ 3.78	$ 13.68
HAI R5.0a Default-Florida Result	$ 10.57	$ 3.97	$ 14.54
1. NID & Drop	$ 1.27	$ (0.05)	$ 1.22
2. Terminal & Splice	(0.82)	0.04	(0.78)
3. Distribution Investment	1.50	(0.06)	1.44
4. Copper Feeder Investment	0.49	(0.11)	0.38
5. Fiber Feeder Investment	(0.21)	0.01	(0.20)
6. Structure Placement	0.42	0.01	0.43
7. Structure Sharing	1.96	(0.06)	1.90
8. Copper & Fiber Fill Factors	0.10	0.00	0.10
9. DLC	1.25	(0.04)	1.21
10. Interoffice Investment	(0.06)	(0.05)	(0.11)
11. Switching Factors	(0.08)	0.99	0.91
12. Expense Factors	2.33	1.41	3.74
13. Cost of Capital	1.52	0.56	2.08
14. Depreciation Lives	0.59	0.35	0.94
Cumulative Effect 1-14 (Sum)	$ 10.26	$ 3.00	$ 13.26
GCG HAI R5.0a Application	$ 20.14	$ 7.00	$ 27.14

Q. CAN YOU INDICATE THE DIFFERENCE IN THE UNIVERSAL SERVICE SUPPORT LEVELS RESULTING FROM THE MCI/AT&T APPLICATION AND THE GCG APPLICATION OF HAI R5.0a?

A. Yes. The chart below shows how the 14 groups of SUAIs fashioned by GCG affects the universal service support levels computed by HAI R5.0a. This chart shows the aggregate results only and does not show the individual effect of each individual group of SUAIs.

		BENCHMARK $/MO	MCI/AT&T HAI R5.0a APPLICATION[1] ($000s)	GCG HAI R5.0a APPLICATION[2] ($000s)
Annual Universal Service Support:				
1.	Primary Residence Lines	$ 31.00	$ 13,045	$ 103,768
2.	Single Line Business Lines	51.00	18	511
3.	Total		13,063	104,279

[1] The amounts reflected in this table corresponding to Mr. Wood's position are based on the R50a_expense_wirecenter.xls module which is part of the Wood-filed HAI R5.0a Model.

On his filed CD-ROM, Mr. Wood uses a benchmark value of $0.00 for both Primary Residence Lines and Single Line Business Lines. This results in total annual support of $0.00 since the HAI Model's coding is such that, if the input benchmarks are $0.00, the Model reports $0.00 of support.

In addition, the Wood-filed CD-ROM contains an output file (FLBS_FIL.xls) that is different from the one that is produced when HAI 5.0a is run. Exhibit DJW-5 reflects the same values for Residence [and Business] usage per line as are reported in FLBS_FIL.xls. However, that file appears to include some logic modifications and at least one error, as compared to the output of HAI R5.0a. Nonetheless, when $31 and $51 are input in FLBS_FIL.xls as benchmark values for Primary Residence Lines and Single Line Business Lines, respectively, a total annual USF support of $15,116,826 is computed.

[2] Average of DLC systems, Exhibit (GCG-17).

Q. DO MCI AND AT&T APPEAR TO AGREE THAT IT IS VALUABLE AND APPROPRIATE TO SUBJECT THE HAI MODEL AND ITS DATABASE TO SENSITIVITY ANALYSES?

A. Yes. In his prefiled testimony in Georgia Public Service Commission Docket No. 7061-U, Mr. Wood extolled the virtues of HM R3.1, remarking that its openness and availability allow BellSouth

> to gain an understanding of how the Hatfield Model works, to review all inputs and assumptions; and to determine which inputs and assumptions have a significant effect on the Model outputs. (Wood testimony, Georgia Public Service Commission Docket No. 7061-U, p.4, l.20 to p.5, l.2)

In an earlier Georgia Public Service Commission Docket, in which Mr. Wood testified on behalf of AT&T in its Georgia arbitration case with BellSouth, Mr. Wood stated that

> [b]ecause the Hatfield Model is publicly available and its inputs can be varied by the user, it is possible to directly evaluate the Hatfield Model for accuracy and to ascertain the sensitivity of the Hatfield Model to changes in various inputs. (Wood testimony, Georgia Public Service Commission Docket No. 6801-U, Tr. p.812, l.5 to l.10.)

As we have on other occasions, we agree with Mr. Wood that sensitivity analyses of the HAI Model, particularly analyses directed to the default values for the UAIs in the UAI database, are a valuable exercise.

VI. Inappropriate Results: MCI and AT&T Select Values for the Sensitive User Adjustable Inputs That Do Not Reflect BellSouth-Florida Conditions or Conditions Reasonably Expected to Occur in the Future

Q. IN YOUR OPINION, ARE THE RESULTS OF THE MCI/AT&T HAI R5.0a APPLICATION APPROPRIATE FOR USE IN THIS CASE?

A. No. Those results are not appropriate because the cost and other data values MCI and AT&T have selected as default values for the SUAIs do not reflect the conditions of the territory of BellSouth-Florida conditions and are not reasonably reflective of forward-looking cost and other conditions. These failures cause the AT&T HAI R5.0a Application to be inappropriate for use in this case.

Q. PLEASE EXPLAIN WHY THE COST AND OTHER DATA VALUES SELECTED BY MCI AND AT&T AS DEFAULT VALUES FOR THE SUAIs ARE NOT APPROPRIATE.

A. HAI R5.0a is designed to be applied on the basis of cost and other data values for UAIs that (1) reflect the conditions of the territory of BellSouth-Florida and (2) reflect conditions that reasonably can be expected to occur in the future. It should be applied on that basis. In the Georgia Public Service Commission cost docket, Mr. Wood observed that

> a fundamental issue with any cost study is the integrity of the assumptions, calculations and input values used to develop the ultimate outputs. (Wood testimony, Georgia Public Service Commission Docket No. 7061-U, p. 7, l.10 to l.11.)

We agree.

Q. DO THE COST AND OTHER DATA VALUES THAT MCI AND AT&T HAVE SELECTED FOR THE SUAIs MEET THE STANDARD YOU HAVE DESCRIBED?

A. No. We have reviewed the cost and other data values that MCI and AT&T have used as default values for the SUAIs. Those values do not meet the standard we have described.

Attached to this testimony are 14 exhibits, one for each of the 14 SUAI groups that we have identified in Exhibit_(GCG-1). These 14 exhibits, designated Exhibit_(GCG-3) through Exhibit_(GCG-16), are incorporated into this testimony. A portion of each of the Exhibits shows that, for the SUAI group in question, the cost and other data values used by AT&T as default values for the SUAIs fail the standard we have described.

VII.
A Comparison: Default Values for User Adjustable Inputs Common to Different HAI Model Databases

Q. HAVE YOU PERFORMED OTHER ANALYSES THAT SUGGEST THAT THE DEFAULT VALUES IN APPENDIX B-5.0a FOR SUAIs MAY NOT BE REASONABLE?

A. Yes. MCI and AT&T sometimes points to the fact, as they did during a Hatfield Model workshop held in Georgia, that successive versions of the Model have produced consistently close average loop prices. The contention appears to be that the Model therefore should be considered "validated."

It appears to us that the consistently close average loop prices are more likely due to significant (downward) changes that have been made in UAI databases associated with successive versions of the Model. In other words, later results appear consistent with earlier results because of (downward) changes in the UAI databases for later versions of the Model, not because successive versions of the Model would otherwise produce similar results.

Q. PLEASE EXPLAIN YOUR OBSERVATION.

A. The chart below shows the results of an analysis we performed. The version of the Hatfield Model known as V2.2.2 has a UAI database associated with it, Appendix 5B. HM R3.1 also has a UAI database associated with it, Appendix B-3.1, as does HM R4.0 and HAI R5.0a, namely, Appendix B-4.0 and Appendix B-5.0a. Each succeeding Model, applied on the basis of its associated UAI database, does, indeed, modestly change the average loop price and annual universal support levels produced by the prior Model. However, it appears that the reason that results from later versions of the Model do not show even greater changes, namely increases, from results from earlier versions of the Model is because of adjustments (mostly downward) in each subsequent UAI database.

That conclusion is suggested to us by the results we obtained when we ran HM R3.1 on the basis of the UAI database associated with an earlier versions of the Model, namely, V2.2.2. And, that conclusion was confirmed when we later ran HM R4.0 and HAI R5.0a using the UAI database associated with HM R3.1 and then with the UAI database associated with V2.2.2. Specifically, we isolated those UAIs common between the V2.2.2 UAI database (Appendix 5B) and the HM R3.1 UAI database (Appendix B-3.1), and then ran HM R3.1 using the V2.2.2 UAI values for those common UAIs. We next isolated those inputs common between the HM R3.1 UAI database (Appendix B-3.1) and the HM R4.0 UAI database (Appendix B-4.0), and then ran HM R4.0 using the HM R3.1 UAI values for those common UAIs. We ran HM R4.0 using the Appendix 5B UAIs common between V2.2.2 and HM R4.0. Finally, we followed the same procedure for HAI R5.0a using inputs from prior Hatfield Model Releases. We found the results to be revealing, as shown by the following chart.

	Hatfield Model Version			
	2.2	3.1	4.0	5.0a
Data Base	(Universal Service Support ($ millions))[1]			
2.2	$ 7.3	$ 24.1	$ 45.2	$ 24.8
3.1		16.4	38.1	25.5
4.0			27.1	11.4
5.0a				11.3

[1] Using the default inputs derived by AT&T for each model and a benchmark support level of $31 per primary residence line and $51 per single business line per month.

Q. WHAT IS THE SIGNIFICANCE OF WHAT YOU HAVE OBSERVED?

A. As the chart shows, had the values for UAIs common between V2.2.2 and HM R3.1 remained the same, the universal service support would have risen by $16.8 million (from $7.3 million to $24.1 million). Instead, as a result of changing the UAI database, HM R3.1 (using its new UAI database) produces a $9.1 million increase in universal support (from $7.3 million to $16.4 million). In addition, if the values for UAIs common between HM R3.1, HM R4.0, and HAI R5.0a had remained the same, the average universal service support would have risen by $9.1 million (from $16.4 million to $38.1 million to $25.5 million, respectively). Instead, as a result of changing the UAI database, HAI R5.0a (using its new UAI database) lowers the universal service support by $5.1 million (from $16.4 million to $27.1 million to $11.3 million, respectively). And, finally, if the values for

UAIs common between V2.2.2 and HAI R5.0a had remained the same, the universal service support would have risen by $17.5 million (from $7.3 million to $24.8 million). Note that these values are based on the default monthly benchmark support levels of $31 for Primary Residence Lines and $51 for Single Line Business Lines.

VIII.
Reasonable Results: GCG Applies HAI R5.0a Based on Values for Sensitive User Adjustable Inputs that Reflect BellSouth-Florida Conditions and Conditions Reasonably Expected to Occur in the Future

Q. PLEASE EXPLAIN THE GCG HAI R5.0a APPLICATION IN THIS CASE.

A. We have applied HAI R5.0a on the basis of alternative values for the SUAIs that we developed. We developed values that reflect cost and other conditions of the territory of BellSouth-Florida and that reflect cost and other conditions that reasonably can be expected to occur in the future.

Q. WHAT VALUES FOR THE SUAIs HAVE YOU USED?

A. Attached as Exhibit__(GCG-2), and incorporated herein by reference, is a print-out of all the values for the UAIs, sensitive and insensitive, that we used to apply HAI R5.0a.

Q. WHAT RESULTS DOES THE GCG HAI R5.0a APPLICATION PRODUCE?

A. The following chart compares the results from the GCG HAI R5.0a Application and the MCI\AT&T HAI R5.0a Application.

	MCI/AT&T HAI R5.0a Application	GCG HAI R5.0a Application
Average Loop Price Per Line Per Month	$ 9.90	$ 20.14
Switching Price Per Line Per Month[1]	$ 3.78	$ 7.00
Total Charge Per Line Per Month	$ 13.68	$ 27.14
Annual Universal Service Support for Primary Residence & Single Line Business Customers Lines[2]	$ 13,063,000	$ 104,279,000

[1] Page 2 of the HAI Model R5.0a documentation indicates that the model computes costs for fourteen (14) UNEs. The model also provides a summary of the UNE rates for loop and total cost, both expressed in terms of cost per line per month. The difference between the total cost of all UNEs and the total loop cost is presented in this table as "Switching Price per Line per Month." We emphasize that this is an aggregate number reflecting multiple UNEs. There is no single switching UNE priced at the indicated rate per line per month.

[2] Using a benchmark support level of $31 per primary residence line and $51 per single business line per month.

IX.
The GCG HAI R5.0a Application Results in Prices that Are Specific to the Conditions of BellSouth-Florida, Forward-Looking and Reasonable

Q. DOES THE GCG HAI R5.0a APPLICATION RESULT IN LOOP AND SWITCHING PRICES AND UNIVERSAL SERVICE SUPPORT LEVELS THAT ARE FORWARD-LOOKING?

A. Yes, with the provision that we have not validated the computations within the model.

Q. PLEASE EXPLAIN WHY THE GCG HAI R5.0a APPLICATION RESULTS IN LOOP AND SWITCHING PRICES AND UNIVERSAL SERVICE SUPPORT LEVELS THAT ARE FORWARD-LOOKING.

A. There are three features to the GCG HAI R5.0a Application that ensure that its results are forward-looking. One, the structure and logic of HAI R5.0a purport to reflect a telecommunications network of the future, *i.e.*, a most efficient network built from scratch, using forward-looking technology, assuming only BellSouth-Florida's existing wire centers. The GCG HAI R5.0a Application leaves that feature of the model untouched. Therefore, if the Commission determines that the logic and structure of HAI R5.0a properly reflect the technology of a forward-looking network, the GCG HAI R5.0a Application shares equally in that characteristic.

Two, HAI R5.0a assumes quantities of materials corresponding to its hypothetical network design. The GCG HAI R5.0a Application leaves those quantities unchanged.

Three, HAI R5.0a calls for cost and other data values associated with its UAI database that reflect conditions that reasonably can be expected to occur in the future. The GCG HAI R5.0a Application fashions values for the SUAIs that reflect the conditions of the territory of BellSouth-Florida and that are reasonable and forward-looking. Those values are based on current BellSouth-Florida data that have been carefully developed to ensure that no embedded cost or other embedded characteristics are captured. The GCG alternative values reflect current conditions in BellSouth-Florida's territory, but also conditions reasonably expected to occur in the future.

Q. CAN YOU ILLUSTRATE THE STATEMENT THAT YOU MADE REGARDING THE GCG HAI R5.0a APPLICATION BEING BASED ON THE CONDITIONS OF THE TERRITORY OF BELLSOUTH-FLORIDA AND RESULTING IN REASONABLE FORWARD-LOOKING PRICES?

A. Yes. As an example, we will focus on UAI B10 to illustrate these points. Specifically, we compare MCI and AT&T's default values for UAI B10 to the alternative values GCG has crafted for UAI B10. The comparison reveals (1) that the GCG alternative values reflect the conditions of the territory of BellSouth-Florida, while the default values used by AT&T do not, and (2) that the GCG alternative values reflect conditions reasonably expected to occur in the future, while the default values used by MCI and AT&T do not.

UAI B10 is one of the eleven UAIs in the SUAI group for Distribution Investment (see Exhibit__(GCG-5)). UAI B10 is Copper Distribution Cable, $/foot, defined by HAI R5.0a (Appendix B-5.0a) as the cost per foot of copper distribution cable, as a function of cable size, including the costs of engineering, installation and delivery, plus the cost of the cable.

The chart below compares values for UAI B10 developed by MCI/AT&T and GCG. "Default" reflects MCI/AT&T values and "BST-FL Specific" reflects GCG values.

UAI B10: Copper Distribution Cable, $/Foot[1]

Cable Size	Default	BST-FL Specific[2]
6	$ 0.63	$1.14
12	0.76	1.28
25	1.19	1.60
50	1.63	2.22
100	2.50	3.39
200	4.25	5.86
400	6.00	10.43
600	7.75	15.24
900	10.00	21.29
1200	12.00	27.64
1800	16.00	40.90
2400	20.00	52.23

[1] For comparable line sizes, UAI B56, copper feeder cable cost, would reflect the same values as those listed in this chart.

[2] BST-FL-specific values include terminal and splicing, whereas Default values do not. Accordingly, as noted in Exhibit__(GCG-4), the BST-FL-specific value for cost of terminal splicing, UAI B7, is $0.

For UAI B10, GCG obtained the cost per foot of copper distribution cable that reflects the current cost of such cable to BellSouth-Florida, including the current cost to BellSouth-Florida to engineer, install and deliver that type of cable.

On the other hand, the default values selected by MCI and AT&T are claimed to be based on the "opinion" of outside plant engineers. In discovery, in proceedings in other states, BST has asked MCI and AT&T to (1) provide all the back up papers demonstrating the support for the default values associated with UAI B10 and (2) explain in detail (with supporting papers) the analyses MCI and AT&T made, and the results therefrom, to ensure that the default values associated with UAI B10 are actually reflective of the conditions in those states. MCI and AT&T have not supplied answers, much less support for answers, to those inquiries.

A failure to provide answers to this type of discovery is particularly troubling in light of the changes in the UAI database for HM R3.1 and HAI R5.0a for UAI B10. The following chart shows the change made by MCI and AT&T from one UAI database to the next, with the explanation that for certain cable sizes a less course cable gauge was used. No backup documentation or workpapers were provided.

Changes in UAI Databases For UAI B10 HM R3.1 to HAI R5.0a		
Cable Size	HM R3.1 Default	HM R4.0 and HAI R5.0a Default
6	$ 0.63	$ 0.63
12	0.76	0.76
25	1.19	1.19
50	1.63	1.63
100	2.50	2.50
200	4.25	4.25
400	7.75	6.00*
600	11.25	7.75*
900	16.50	10.00*
1200	21.75	12.00*
1800	32.25	16.00*
2400	42.75	20.00*
* Highlights changed values caused by a change in the gauge of cable assumed for these cable sizes.		

The alternative values crafted by GCG for UAI B10 are not only based on cost data that reflects the current conditions of the territory of BellSouth-Florida, they also reflect costs that can be expected to occur in the future. There is every indication that the current cost of copper distribution cable, including the cost to deliver, engineer and install it, is actually a conservative measure of the cost of copper distribution cable in the future. It is not reasonable to expect that the installed cost of copper distribution cable will go down.

Q. PLEASE EXPLAIN HOW YOU DEVELOPED THE COST FOR COPPER DISTRIBUTION CABLE TO ENSURE THAT IT IS FORWARD-LOOKING AND NOT REFLECTIVE OF EMBEDDED COSTS.

A. Copper distribution cable that has been installed over a number of years is recorded on BellSouth-Florida's books as an investment. Therefore, were it necessary to obtain the embedded investment dollar figure per foot of copper distribution cable, this would be obtained by dividing the total investment in copper distribution cable recorded on BellSouth-Florida's books by the total length of copper distribution cable that has been installed over the years. Since HAI R5.0a requires a forward-looking and not an embedded cost per foot of copper distribution cable, we applied a different procedure to obtain the forward-looking cost. GCG began its analysis by considering 26 gauge copper distribution cable and obtained costs associated with the activity of installing this size of cable in 1997. This information is contained in the 1997 books and records of BellSouth-Florida in the specific field recording code associated with the installation of 26 gauge copper distribution cable. This data provided the 1997 costs associated with the installation of 26 gauge copper distribution cable and the length of cable that was installed for that year. We then derived the current (1997) cost per foot for installation of copper distribution cable for each of the cable sizes. This is precisely the information that is required for UAI B10 in order to make it BellSouth-Florida specific, forward-looking and not reflective of embedded costs.

Q. WHAT POINT DO YOU MAKE BASED ON YOUR EXAMPLE OF UAI B10?

A. The alternative values for UAI B10 developed by GCG are based on conditions in the territory of BellSouth-Florida and are reasonable as forward-looking costs. The basis for the default values for UAI B10 used by MCI and AT&T is unknown, but they most certainly are not specific to the conditions of the territory of BellSouth-Florida. Moreover, MCI and AT&T provides no explanation of how their default values are properly reflective of reasonable forward-looking conditions.

Q. ARE THE TYPES OF SHORTCOMINGS IN THE MCI/AT&T DEFAULT VALUES FOR UAI B10 THAT YOU HAVE DESCRIBED IN THIS TESTIMONY ALSO FOUND WITH RESPECT TO THE DEFAULT VALUES MCI AND AT&T HAS CRAFTED FOR OTHER SUAIs?

A. Yes. Although, as you would expect, the exact deficiencies in the MCI/AT&T default values related to UAI B10 are not the precise deficiencies found in the case of other SUAIs, the same type and magnitude of deficiencies is found in the case of virtually every other SUAI. Attached to this testimony are Exhibit__(GCG-3) through Exhibit__(GCG-16), which address each of the 14 SUAI groups and identify some of the deficiencies in the MCI/AT&T default values associated with those SUAI groups.

X.
Conclusion: If the HAI Model is Used, It Should Be Applied on the Basis of the Alternative Values for The Sensitive User Adjustable Inputs Developed by GCG

Q. PLEASE STATE THE CONCLUSION YOU REACH.

A. If this Commission determines that it wishes to establish universal service support levels for BellSouth-Florida on the basis of applying HAI R5.0a, it should do so on the basis of values for the SUAIs that properly reflect the conditions of the territory of BellSouth-Florida. In other words, the cost and other data used to fashion values for the SUAIs should reflect the conditions of the territory of

BellSouth-Florida. In addition, the values for the SUAIs should reflect cost and other conditions that are reasonably expected to occur in the future, *i.e.*, that are both forward-looking and reasonable. Only in that circumstance will the application of HAI R5.0a produce cost for purposes of determining universal service support that are both forward-looking and reasonable for application in this case.

The values for the SUAIs fashioned by Georgetown meet this standard. The values used by MCI and AT&T for the SUAIs do not. If the Commission utilizes HAI R5.0a, it should use the values for the SUAIs fashioned by Georgetown.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes, it does.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Determination of the Cost of Basic Local Telecommunications Service, pursuant to Section 364.025, Florida Statutes	Docket No. 980696-TP

Appendices To Rebuttal Testimony of Jamshed K. Madan, Michael D. Dirmeier and David C. Newton on Behalf of BellSouth Telecommunications, Inc.

Submitted
September 2, 1998

APPENDIX A

GLOSSARY OF DEFINED TERMS

APPENDIX A

Glossary of Defined Terms

HM R3.1	Release 3.1 of the Hatfield Model.
Appendix B-3.1	An attachment to the HM R3.1 model documentations which identifies 181 UAIs and the approximately 700 default values associated with them for use with HM R3.1.
V2.2.2	Version 2.2.2 of the Hatfield Model.
Appendix 5B	An attachment to the V2.2.2 Hatfield Model documentation, which identifies the user adjustable inputs and the default values associated with them for use with V2.2.2.
HM R4.0	Preliminary Release 4.0 of the Hatfield Model, a CD for which was filed in these Dockets by MCI and AT&T.
Appendix B-4.0	An attachment to the HM R4.0 model documentation, which identifies 184 UAIs and the approximately 700 default values associated with them for use with HM R4.0.
HM R5.0a	Release 5.0a of the Hatfield Model.
Appendix B-5.0a	An attachment to the HM R5.0a model documentation, which identifies 201 UAIs and the approximately 1075 default values associated with them for use with HM R5.0a.
UAIs (user adjustable inputs)	The inputs and their default values identified in Appendix B-5.0a (HM R5.0a), Appendix B-4.0 (HM R4.0), Appendix B-3.1 (HM R3.1), and Appendix 5B (V2.2.2). The UAIs are designed to accept ILEC-specific data values in replacement of their associated default values.
default values	The data values for UAIs identified in Appendix B-5.0a (HM R5.0a), Appendix B-4.0 (HM R4.0), Appendix B-3.1 (HM R3.1), and Appendix 5B (V2.2.2) which automatically are used in applying the Hatfield Model, unless alternative data values are substituted for the default values.
SUAIs (sensitive user adjustable inputs)	Refers to a group of UAIs that are related by virtue of the logic of the Hatfield Model and for which changes in their default values, as a group, cause a material change in the unbundled network element prices that are produced by the Hatfield Model.

APPENDIX B

STATEMENT OF QUALIFICATIONS

JAMSHED K. MADAN
PRINCIPAL,
GEORGETOWN CONSULTING GROUP, INC.

APPENDIX B

Statement of Qualifications

Jamshed K. Madan
Principal, Georgetown Consulting Group, Inc.

Education

M.S. in Management, 1968, Alfred P. Sloan School of Management, Massachusetts Institute of Technology

B.S. in Electrical Engineering, 1966, Massachusetts Institute of Technology

Employment

May 1979 to present	Principal, Georgetown Consulting Group, Inc
May 1976 to April 1979	Principal and National Director of Regulatory Consulting, Touche Ross & Company
September 1975 to April 1976	General Manager, Corporate Development, Public Service Electric & Gas
August 1968 to August 1975	Touche Ross & Company

Utility Regulatory Experience

Mr. Madan has provided expert testimony in over 150 proceedings, covering various utility regulatory matters, in cases involving telecommunications, electric, gas, water, sewer and transit utilities. The jurisdictions in which Mr. Madan has appeared include: Alabama, Arkansas, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Guam, Guyana SA, Illinois, Maryland, Massachusetts, Minnesota, New Jersey, New Mexico, New York, Ohio, Pennsylvania, U.S. NRC, U.S. Virgin Islands, Virginia. A list of the proceedings in which Mr. Madan has testified and/or filed testimony is attached. In addition to participation in those regulatory proceedings, Mr. Madan has lead projects that included operations reviews, financial feasibility studies, economic studies, marketing studies, cash flow analyses, cost reduction studies and system planning studies.

Regulatory Participation of
Jamshed K. Madan
(Through November, 1997)

1. New Jersey, Hackensack Water Company, Docket No. 744-315, August, 1974.

2. New Jersey, Elizabethtown Gas Company, Docket No. 727-624.

3. U.S. Virgin Islands, Manassah Bus Lines, Docket No. 150.

4. New Jersey, Elizabethtown Water Company, Docket No. 727-606.

5. U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 193.

6. New Jersey, Jersey Central Power & Light Company, Docket No. 743-184, October, 1974.

7. Vermont, New England Telephone and Telegraph Company, Docket No. 3806, November, 1974.

8. U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 254.

9. New Jersey, New Jersey Bell Telephone Company, Docket No. 747-522, April, 1975.

10. U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 121, September, 1975.

11. New Jersey, New Jersey Bell Telephone Company, Docket No. 7512-1251, May, 1976.

12. Pennsylvania, Philadelphia Electric Company, R.I.D. No. 295, June, 1976.

13. Maryland, Baltimore Gas & Electric Company, Case No. 6985, October, 1976.

14. New Jersey, Atlantic City Electric Company, Docket Nos. 706-641 and 772-113, April, 1977.

15. Pennsylvania, Bell Telephone Company of Pennsylvania, Docket No. 367, July, 1977.

16. Pennsylvania, Pennsylvania Electric Company, R.I.D. No. 392, August, 1977.

17. Connecticut, Southern New England Telephone Company, Docket No. 770526, October, 1977.

18. U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 126, November, 1977.

19. Pennsylvania, Metropolitan Edison Company, R.I.D. No. 434, November, 1977.

20. New Jersey, New Jersey Bell Telephone Company, Docket No. 7711-1136, July, 1978.

21. Pennsylvania, Pennsylvania Electric Company, R.I.D. No. 599, September, 1978.

22. New York, Long Island Lighting Company, Case Nos. 27374 and 27375, October, 1978.

23 Pennsylvania, Metropolitan Edison Company, R.I.D. No. 626, November, 1978.

24 New Jersey, Jersey Central Power & Light Company, Docket No. 7610-1021, December, 1978

25 Ohio, Columbus and Southern Ohio Electric Company, Docket No. 78-1439-EL-AEM, January, 1979.

26 New York, New York Telephone Company, Case No. 27469, May, 1979.

27 New Mexico, Mountain Bell Telephone Company, Docket No. , September, 1979.

28 New Jersey, Public Service Electric & Gas Company, Docket No. 794-310, October, 1979.

29 Maryland, Potomac Electric Company, Case No. 7384, February, 1980.

30 Delaware, Delmarva Power & Light Company, Docket No. 41-/9, March, 1980.

31 Colorado, Mountain States Bell Telephone Company, Docket No. 1400 April, 1980.

32 Delaware, Delmarva Power & Light Company, Complaint Docket No. 279-80, June, 1980.

33 New York, New York Telephone Company, Case No. 27100, July, 1980.

34 New Jersey, New Jersey Bell Telephone Company, Docket No. 802-135, July, 1980

35 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 108, August, 1980.

36 Connecticut, Southern New England Telephone Company, Docket No. 800418, August, 1980

37 Ohio, Ohio Bell Telephone Company, Case No. 79-1184-TP-AIR, September, 1980

38 Maryland, Delmarva Power & Light Company, Case No. 7427, September, 1980.

39 Maryland, C&P Telephone Company, Case No. 7467, October, 1980

40 Colorado, Public Service Company of Colorado, Docket No. 1425, October, 1980.

41 Alabama, Continental Telephone Company of the South, Docket No. 17968, November, 1980.

42 New York, Long Island Lighting Company, Case No. 27774, November, 1980.

43 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 180, November, 1980.

44 Delaware, Delmarva Power & Light Company, Docket No. 80-39, December, 1980.

45 Alabama, South Central Bell, Case Nos. 10875 & 10876, June 1981.

46 U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 229, June 1981.

47 Minnesota, Northwestern Bell Telephone Company, Docket No. P-421/GR80-911, June, 1981.

48 Delaware, Delmarva Power & Light Company, Docket No. 81-23, July, 1981.

49. Colorado, Public Service Company of Colorado, Docket No. 1525, September, 1981.

50 New Jersey, Public Service Electric & Gas Company, Docket No 812-76, September, 1981

51. New Jersey, New Jersey Bell Telephone Company, Docket No. 815-458, December, 1981

52. Ohio, Cleveland Electric Illuminating Company, Case No. 81-146-EL-AIR, December, 1981.

53. Maryland, C&P Telephone Company, Case No. 7591, December, 1981.

54. Massachusetts, Boston Edison Company, Docket No. DPU-906, January, 1982.

55. Pennsylvania, Bell Telephone Company of Pennsylvania, Docket No. R-811819, May, 1982.

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57 Maryland, C&P Telephone Company, Case No. 7661, November, 1982.

58 Delaware, Diamond State Telephone Company, Docket No. 82-32, February 1983.

59 New York, Long Island Lighting Company, Case No. 28252, February, 1983

60 New Jersey, Public Service Electric & Gas Company, Docket No. 831-25, February, 1983.

61 Georgia, Southern Bell Telephone Company, Docket No. 3393-U, June, 1983

62 New Jersey, New Jersey Bell Telephone Company, Docket Nos. 8211-1030 and 8210-880 Phase II, November, 1983.

63 Arkansas, Southwestern Bell Telephone Company, Docket No. 83-045-U, September, 1983

64 New Jersey, New Jersey Bell Telephone Company, Docket No. 8311-954, February, 1984

65 Colorado, Public Service Company of Colorado, Docket No. 1640, February, 1984

66 U.S. Nuclear Regulatory Commission, Long Island Lighting Company, Low Power Proceeding, Docket No. 50-322-OL-4, 1984.

67 Colorado, Mountain States Bell Telephone Company, Docket No. 1655, April, 1984

68 Georgia, Southern Bell Telephone Company, Docket No. 3465-U, August, 1984.

69 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 275, November, 1984.

70 New Jersey, New Jersey Bell Telephone Company, Docket No. 848-856, December, 1984

71 New Jersey, Public Service Electric & Gas Company, Docket No. 837-620. April, 1985

72 New Jersey, AT&T Communications of New Jersey, Docket Nos. 8311-1035 and 8311-1064, May, 1985.

73 Maryland, C&P Telephone Company, Case No. 7851, April, 1985.

74 Arkansas, Arkansas Power & Light Company, Docket No. 84-249-U, June, 1985.

75 Georgia, Southern Bell Telephone Company, Docket No. 3518-U, July, 1985.

76 Colorado, Mountain States Bell Telephone Company, Docket No. 1700, March, 1986.

77 New Jersey, Public Service Electric & Gas Company, Docket No. 8512-1163, May, 1986.

78 Maryland, C&P Telephone Company Generic Case EA/NR, Case No. 7901, April, 1986.

79 Delaware, Diamond State Telephone Company, Docket No. 86-20, September, 1986.

80 Colorado, Mountain States Telephone and Telegraph Company, Application 37730, September, 1986.

81 New Jersey, Public Service Electric and Gas Company, BPU Docket No. ER85121163, November, 1986.

82 Delaware, Diamond State Telephone Company, Regulation Docket No. 10, January, 1987.

83 Georgia, Georgia Power Company, Docket No. 3549-U, March, 1987.

84 Delaware, Diamond State Telephone Company, Docket No. 86-20, April, 1987.

85 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 301, April, 1987.

86 New Jersey, New Jersey Bell Telephone Company, Docket No. TO8610-1115, April, 1987.

87 Georgia, Georgia Power Company, Docket No. 3673-U, August, 1987.

88 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 277, September, 1987.

89 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 314, October, 1987.

90 New Jersey, AT&T Communications of New Jersey, Docket No. TR8704-361, November, 1987.

91 New Jersey, Public Service Electric & Gas Company - Gas Operations, Docket No. ER8512-1163, February, 1988.

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93 New Jersey, New Jersey Bell Telephone Company, Docket No. T-87050398, March, 1988.

94 New Jersey, Peach Bottom, Docket No. ER8802-0324, Oral Testimony, March, 1988.

95. District of Columbia, District of Columbia Natural Gas Company, Formal Case No. 870, May, 1988.

96. Delaware, Diamond State Telephone Company, Docket No. 86-20, Phase II, June, 1988.

97. U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 316, June, 1988.

98. Guam, Guam Power Authority, Docket No. 88-001, July, 1988.

99. New Mexico, Public Service Company of New Mexico, Case No. 2146, October, 1988.

100. California, In the Matter of Alternative Regulatory Frameworks for Local Exchange Carriers, Case No. I.87-11-033, January 1989.

101. California, In the Matter of Alternative Regulatory Frameworks for Local Exchange Carriers, Case No. A.88-08-031, April, 1989.

102. Guam, Guam Power Authority, Docket No. 88-002, May 1989.

103. Colorado, Mountain States Telephone & Telegraph Company, I&S Docket No. 1400, May, 1989.

104. New Jersey, Public Service Electric & Gas Company, Docket No. ER8512.163, May, 1989.

105. U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 322, August, 1989.

106. Georgia, Georgia Power Company, Docket No. 3840-U, August, 1989.

107. New Mexico, Public Service Company of New Mexico, Case No. 2262, October, 1989.

108. New Jersey, Public Service Electric & Gas Company, Docket Nos. ER85121163 and GR89060622, October, 1989.

109. Guam, Guam Power Authority, Docket No. 89-002C, January 1990.

110. U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 322, January, 1990.

111. U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 344, March, 1990.

112. Georgia, Southern Bell Telephone Company, Docket No. 3905-U, May, 1990.

113. Georgia, Southern Bell Telephone Company, Docket No. 3905-U (Surrebuttal and incentive regulation), June, 1990 and August, 1990.

114. Guam, Guam Power Authority, Docket No. 89-002, August 1990.

115. U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 334, October, 1990.

116. Colorado, US WEST Communications Inc., Docket No. 90S-544T, January, 1991.

117 New Jersey, United Telephone Company of New Jersey, Docket Nos. TR9007-0726J, February, 1991.

118 U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 345, April, 1991.

119 U.S. Virgin Islands, Virgin Islands Telephone Corporation, Docket No. 334, On Remand. July, 1991.

120 Georgia, Georgia Power Company, Docket No. 4007-U, August, 1991.

121 Colorado, US WEST Communications Inc., Docket No. 90A-655T, September 1991.

122 Georgia, GTE - South, Docket No. 4003-U, December 1991.

123 Georgia, Southern Bell Telephone Company, Docket No. 3987-U (Cross Subsidy issues), January 1992.

124 U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 355, May 1992.

125 New Jersey, Public Service Electric & Gas Company, Docket Nos. ER91111698J, May 1992.

126 Guam, Guam Power Authority, Docket No. 92-001, August 1992.

127 New Jersey, New Jersey Bell Telephone Company, Docket Nos. TO92030358, (Alternative Form of Regulation), September 1992.

128 Guam, Guam Power Authority, Docket No. 92-009, November 1992.

129 Guam, Guam Power Authority, Docket No. 92-001, Supplemental, November 1992.

130 Georgia, Southern Bell Telephone Company, Docket No. 4232-U, January 1993.

131 U.S. Virgin Islands, Rules & Regulations re: Customer Owned Coin-Operated Telephones, Docket Nos. 285 and 319, February 1993.

132 U.S. Virgin Islands, SASA Complaint re: Customer Owned Coin-Operated Telephones, Docket No. 356, February 1993.

133 Georgia, Southern Bell Telephone Company, Docket No. 3905-U, March 1993.

134 U.S. Virgin Islands, Vitran Bus Service, Docket No. 357, April 1993.

135. Colorado, Public Service Company of Colorado, Docket No. 93S-001EG, May 1993.

136 New Jersey, New Jersey Natural Gas Company - Incentive Rate Regulation, Docket No. GR93050154, December 1993.

137. Guam, Guam Telephone Authority, Docket No. 93-011, December 1993.

138. U.S. Virgin Islands, Virgin Islands Telephone Corporation - Cellular Telephone Service, Docket No. 332, January 1994.

139. Guam, Guam Municipal Golf, Docket No. 93-009, February 1994.

140. U.S. Virgin Islands, Virgin Islands Water & Power Authority, Docket No. 378, March 1994

141. Virginia, Virginia Cable Television Association, Case No. PUC930036, March 1994.

142. Virginia, Virginia Cable Television Association, Rebuttal, Case No. PUC930036, March 1994.

143. Guam, Guam Telephone Authority Rate Case Phase II, re: Called ID, etc., Docket No. 93-011, Late 1994.

144. Guyana, Guyana Rate Case, 1995.

145. Virgin Islands, Virgin Islands Water and Power Authority Rate Case, Docket No. 378, 1995

146. Virgin Islands, Virgin Islands Water and Power Authority Water Rate Case, Docket No. 481, 1995.

147. Guam, Guam Power Authority Rate Case, Docket No. 95-001, Late 1995

148. Guam, Guam Power Authority, Customer Service Agreement, Docket No. 89-002, 1995/1996.

149. Virgin Islands, Virgin Islands Water and Power Authority Rate Case Emergency, Docket No. 500, Early 1996.

150. Virgin Islands, Virgin Islands Telephone Company, VITELCO Private Line, Docket No. 486, March 1996.

151. Guam, Guam Power Authority Rate Case, Phase I Stipulation, Docket No. 96-004, May 1996

152. Virgin Islands, Virgin Islands Water and Power Authority Rate Case Final, Docket No. 500, Mid 1996.

153. New Jersey, Donnelley, August 1996.

154. Guam, Guam Telephone Authority Rate Case Stipulation, Re Access charges, Private Line, Inside Wire, Docket No. 96-007, August 1996.

155. Guam, Guam Power Authority Rate Case, Phase II Testimony, Docket No. 96-004, December 1996.

156. Georgia, BellSouth Telecommunications, Inc., Docket No. 7601-U. August 1997. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

APPENDIX C

<u>STATEMENT OF QUALIFICATIONS</u>

[illegible]
PRINCIPAL
GEORGETOWN CONSULTING GROUP, INC.

APPENDIX C

Statement of Qualifications

Michael D. Dirmeier
Principal, Georgetown Consulting Group, Inc.

Education

M.B.A. in Finance, 1973, University of Chicago

B.S. in Physics, 1971, Texas A&M University

Certificate of Management Accounting

Employment

May 1979 to present	Principal, Georgetown Consulting Group, Inc.
July 1976 to April 1979	Consultant and Senior Consultant, Consulting Division, Touche Ross & Company
January 1974 to June 1976	Financial Planning Analyst, The Bendix Corporation

Utility Regulatory Experience

Mr. Dirmeier has provided expert testimony in over 90 proceedings involving telecommunications, electric and water utilities. The jurisdictions in which Mr. Dirmeier has appeared include: Arkansas, Colorado, Delaware, District of Columbia, Florida, Georgia, Maryland, Mississippi, New Mexico, New Jersey, New York, Nuclear Regulatory Commission, Oklahoma, Pennsylvania, South Carolina, U.S. Virgin Islands, Virginia. A list of the proceedings in which Mr. Dirmeier has testified and/or filed testimony is attached. Mr. Dirmeier has extensive experience in the application of computer models to the analysis of utility issues.

Regulatory Participation of
Michael D. Dirmeier
(Through March 1998)

1. New Jersey, West Keansburg Water Co., Docket No. 7710-1026, June 1978. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

2. U.S. Virgin Islands, Virgin Islands Telephone Company, Docket No. 180, 1978. Depreciation rates. Sponsored by Staff of Public Service Commission.

3. New Jersey, Middlesex Water Company, Docket No. 793-269, August 1979. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

4. South Carolina, PURPA ratemaking standard, April 1980. Sponsored by Public Advocate.

5. New York, New York Telephone Company, Docket No. 27710, July 1980. Accounting issues. Sponsored by Public Advocate.

6. New Jersey, Hackensack Water Company, Docket No. 804-275, September 1980. Emergency proceeding. Sponsored by Department of the Public Advocate.

7. New York, Long Island Lighting Company, Docket No. 27774, November 1980. Accounting issues. Sponsored by Suffolk County.

8. Pennsylvania, Metropolitan Edison Company, Docket No. R-80051196, December 1980. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

9. Pennsylvania, Pennsylvania Electric Company, Docket No. R-80051197, December 1980. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

10. New Jersey, South Jersey Gas Company, Docket No. 808-517, February 1981. Treatment of over-earnings arising from experimental tariff. Sponsored by Department of the Public Advocate.

11. New Jersey, Hackensack Water Company, Docket No. 815-447, June 1981. Emergency rate proceeding. Sponsored by Department of the Public Advocate.

12. New Jersey, New Jersey Bell Telephone Co., Docket No. 815-458, October 1981. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

13. Pennsylvania, Metropolitan Edison Company, Docket No. R-80011601, November 1981. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

14. Pennsylvania, Pennsylvania Electric Company, Docket No. R-80011602, November 1981. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

15. New Jersey, Hackensack Water Company, Docket No. 815-447, March 1982. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

16 Pennsylvania, Bell Telephone Company of Pennsylvania, RID 1819, April 1982. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

17 New Jersey, Atlantic City Electric Company, Docket No. 822-116, July 1982. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

18 New Jersey, New Jersey Natural Gas Company, Docket No. 815-459, July 1982. Sponsored by Department of the Public Advocate.

19 Maryland, Potomac Electric Power Company, Case No. 7662, November 1982. Accounting and revenue requirements. Sponsored by Staff of Public Service Commission.

20 Pennsylvania, Duquesne Light Company, Docket No. R-21945, March 1982. Excess costs incurred due to nuclear outage. Sponsored by Office of the Public Advocate.

21 Colorado, Mountain Bell Telephone Company, I&S 1575, September 1982. Depreciation methodology. Sponsored by coalition of municipalities

22 New York, Long Island Lighting Company, PSC Case No. 28252, February 1983. Shoreham phase-in. Sponsored by Suffolk County.

23 Pennsylvania, Metropolitan Edison Company, Docket No. R-822249, May 1983. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

24 Pennsylvania, Pennsylvania Electric Company, Docket No. R-822250, May 1983. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

25 Pennsylvania, Bell Telephone Company of Pennsylvania, Docket R-811819, August 1983. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

26 Mississippi, South Central Bell Telephone Company, Docket No U-4415, January 1984. Accounting and revenue requirements, divestiture proceeding. Sponsored by Attorney General.

27 Colorado, Public Service Company of Colorado, I&S 1640, February 1984. Accounting and revenue requirements. Sponsored by Office of the Public Advocate.

28 New Jersey, Atlantic City Electric Company, Docket No. 822-116, August 1983. Levelization of long-term purchase power contract. Sponsored by Department of the Public Advocate.

29 Florida, Southern Bell Telephone Company, Docket No. 820263-TP, August 1984. Accounting and revenue requirements, divestiture proceeding. Sponsored by Public Advocate.

30 U.S. Nuclear Regulatory Commission, Long Island Lighting Company, Shoreham Nuclear Power Station, Docket No. 50-322-OL-4, 1984. Financial requirements for low power license. Sponsored by Suffolk County.

31 Arkansas, Arkansas Power & Light Company, Docket No. 84-249-U, June 1985. Financial nature of system agreements and construction of Grand Gulf Nuclear Plant. Sponsored by Staff of Public Service Commission.

32. New Jersey, Hackensack Water Company, Docket No. WR8506-663, October 1985. Accounting and revenue requirements. Sponsored by Department of the Public Advocate.

33. New Mexico, Public Service Company of New Mexico, Case No. 1916, July 1985. Accounting and revenue requirements. Sponsored by Attorney General.

34. New Mexico, Public Service Company of New Mexico, Case No. 2011, March 1986. Inventory treatment of sale/leaseback of investment in nuclear unit. Sponsored by Attorney General.

35. Colorado, Mountain States Telephone and Telegraph Company, I&S No. 1700, March 1986. Selected accounting issues in base rate proceeding. Sponsored by Colorado Municipal League.

36. New Mexico, Public Service Company of New Mexico, Case No. 2019, April 1986. Utility holding company. Sponsored by Attorney General.

37. New Jersey, Public Service Electric and Gas Company, BPU Docket No. ER85121163, April 1986. Working capital issues in base rate proceeding. Sponsored by Department of the Public Advocate.

38. New Mexico, Public Service Company of New Mexico, Case No. 1916, June 1986 rehearing. Accounting issues. Sponsored by Attorney General.

39. New Mexico, Gas Company of New Mexico, Case No. 1971, May 1986. Gas purchase clause. Sponsored by Attorney General.

40. New Mexico, El Paso Electric Company, Case No. 2032, June 1986. Sale/leaseback of investment in nuclear unit. Sponsored by Attorney General.

41. Pennsylvania, Metropolitan Edison Company, Docket No. R-860384, 1986. Base rate proceeding. Sponsored by Office of the Public Advocate.

42. Pennsylvania, Pennsylvania Electric Company, Docket No. R-860413, 1986. Base rate proceeding. Sponsored by Office of the Public Advocate.

43. New Mexico, Public Service Company of New Mexico, Case No. 2067, December 1986. Company's annual October inventory filing. Sponsored by Attorney General.

44. New Jersey, Elizabethtown Water Company, OAL Docket Nos. PUC 5353-86, 5351-86, 5354-86 and 5352-86 (consolidated), January 1987. Deposit requirements for water main extensions. Sponsored by developer intervenors.

45. Delaware, Intrastate Competition, PSC Regulation Docket No. 10. Ongoing. Sponsored by Staff of Public Service Commission.

46. District of Columbia, Potomac Electric Power Company, Formal Case No. 852, February 1987. Tax Reform Act of 1986. Sponsored by Office of People's Counsel.

47. District of Columbia, C&P Telephone Company, Formal Case No. 854, April 1987. Tax Reform Act of 1986. Sponsored by Office of People's Counsel.

48. New Mexico, Public Service Company of New Mexico, Case No. 2096, July 1987. Company's annual January inventory filing. Sponsored by Attorney General.

49. Georgia, Georgia Power Company, Docket No. 3673-U, August 1987. Base rate proceeding. Panel witness responsible for computations of write-off and phase-in plan. Sponsored by Staff of the Public Service Commission.

50. New Jersey, South Jersey Gas Company, BPU Docket Nos. GR8704-329 & GR8608-902, September 1987. Base rate proceeding. Sponsored by Department of the Public Advocate.

51. District of Columbia, Potomac Electric Power Company, Formal Case No. 852-II, November 1987. Tax Reform Act of 1986. Sponsored by Office of People's Counsel.

52. District of Columbia, C&P Telephone Company, Formal Case No. 854-II, November 1987. Tax Reform Act of 1986. Sponsored by Office of People's Counsel.

53. New Mexico, Public Service Company of New Mexico, Case No. 2159, December 1987. Company's annual October inventory filing. Sponsored by Attorney General.

54. New Jersey, Atlantic City Electric Company, Docket No. ER8504434 (Benefits of TRA), January 1988. Company's TRA filing. Sponsored by Department of the Public Advocate.

55. New Mexico, Public Service Company of New Mexico, Case No. 2146, November 1988. Treatment of Excess Capacity. Sponsored by Attorney General.

56. New Jersey, Public Service Electric & Gas Company, BPU Docket No. ER85121163, June 1989. Treatment of proposed 20-year purchase of capacity from AEP-Rockport II. Sponsored by Department of the Public Advocate.

57. Georgia, Georgia Power Company, Docket No. 3840-U, August 1989. Base rate proceeding. Panel witness responsible for computations concerning phase-in and decommissioning expense. Sponsored by Staff of the Public Service Commission.

58. New Mexico, Public Service Company of New Mexico, Case No. 2262, November 1989. Base case. Sponsored by Attorney General.

59. Vermont, Central Vermont Public Service Company, Docket No. 5372, February 1990. Base case. Sponsored by Department of Public Service.

60. Pennsylvania, Pennsylvania Gas and Water Co. and North East Water Company, Docket No. A-210018, P-900453 and R-901726, October & November 1990. Application to purchase utility, petition for accounting methodologies and accounting position in base rate proceeding. Sponsored by Office of Consumer Advocate.

61. New Jersey, Hackensack Water Company, Docket No. WR90080792J, January 1991. Accounting in a base rate proceeding. Sponsored by Department of the Public Advocate.

62. New Mexico, US WEST, Inc. Case No. 90-255-TC, March 1991. Commission inquiry concerning local calling area for Albuquerque metro area. Sponsored by Attorney General.

63. New Jersey, Atlantic City Electric Company, Docket No. ER90091090J, March 1991. Working capital in a base rate proceeding. Sponsored by Department of the Public Advocate.

64. New Mexico, Plains Electric Generation and Transmission Cooperative, Inc., Case No. 2363, April 1991. Base rate proceeding of an electric cooperative. Sponsored by Attorney General.

65. District of Columbia, C&P Telephone Company, Formal Case No. 850, October 1991. Productivity in PSC's investigation concerning the reasonableness of C&P's rates. Sponsored by Office of People's Counsel.

66. New Mexico, Public Service Company of New Mexico, Case No. 2326, July 1991. Investigation into diversification and divestiture transactions undertaken by PNM. Sponsored by Attorney General.

67. Georgia, Georgia Power Company, Docket No. 4007-U, August 1991. Base rate proceeding. Panel witness responsible for computations and selected rate case issues. Sponsored by Staff of the Public Service Commission.

68. New Jersey, Jersey Central Power & Light Company, Docket No. EM91010067, October 1991. Regulatory treatment and prudence of proposed multi-part agreement to purchase 50% of plant being restored to service, purchase capacity under long-term power sale agreement and participate in construction of a long-distance 500 kV transmission line. Sponsored by Department of the Public Advocate.

69. New Mexico, Public Service Company of New Mexico, Case No. 2408, January 1992. PNM request to sell 50MW of San Juan 4 to the City of Anaheim, CA. Sponsored by Attorney General.

70. Oklahoma, Oklahoma Gas & Electric Company., Cause Nos. PUD 898 & 1055, April 1992. Revenue requirement testimony in a "show cause" proceeding. Sponsored by Attorney General.

71. New Mexico, Public Service Company of New Mexico, Case No. 2429, April 1992. Regulatory treatment of transactions intended to complete the exit from diversification. Sponsored by Attorney General.

72. New Jersey, Public Service Electric & Gas Company, BPU Docket No. EE91081428, April 1992. Regulatory treatment of prematurely retired plant. Sponsored by Department of the Public Advocate.

73. New Mexico, Public Service Company of New Mexico, Case No. 2444, May 1992. Request of the Company to purchase back a portion of previously sold / leased-back nuclear unit. Sponsored by Attorney General.

74. New Mexico, U S WEST, Inc., Case No. 92-90-TC, June 1992. Application of US WEST seeking approval of Customer Local Area Signaling Services (CLASS) Tariffs. Sponsored by Attorney General.

75. New Jersey, Public Service Electric & Gas Company, BPU Docket No. EE91111698J, July 1992. Depreciation, nuclear decommissioning and regulatory treatment of prematurely retired plant. Sponsored by Department of the Public Advocate.

76. New Mexico, Public Service Company of New Mexico, Case No. 2469, October 1992. Financing case - Request of the Company to refinance variable rate debt and replace with variable rate debt. Sponsored by Attorney General.

77. New Jersey, New Jersey Bell Telephone Co., Docket No. TO92030358, October 1992. Request of the Company to replace existing Rate Stability Plan with indexed price increases with sharing in prescribed earnings plans. Economics of "Opportunity New Jersey" infrastructure development proposals. Sponsored by Department of the Public Advocate.

78. District of Columbia, C&P Telephone Company, Formal Case No. 814, Phase III, November 1992. Testimony concerning the Company's application for alternative form of regulation. Sponsored by Office of People's Counsel.

79. New Mexico, U. S. West, Inc., Docket No. 92-227-TC, December 1992. Testimony regarding accounting issues and revenue requirements in base rate proceeding. Sponsored by Attorney General.

80. District of Columbia, C&P Telephone Company, Formal Case No. 926, July, 1993. Testimony concerning cost containment, management compensation, productivity, Other Postretirement Benefits (SFAS 106), salaries and wages, Other Postemployment Benefits (SFAS 112) and accounting for income taxes (SFAS 109). Sponsored by Office of People's Counsel.

81. Georgia, Georgia Power Company, Docket No. 4152-U, August 1993. Testimony concerning appropriate accounting and ratemaking treatment of Clean Air Act Allowances. Sponsored by Staff of the Public Service Commission.

82. New Mexico, U.S. West, Inc., Case No. 93-218-TC, October 1993. Testimony concerning application of utility to expand the local calling area for the Albuquerque metropolitan area. Sponsored by Attorney General.

83. District of Columbia, Potomac Electric Power Company, Formal Case No. 929, October 1993. Testimony in base rate proceeding, addressing issues of Electric Rate Adjustment Mechanism, DSM Surcharge, inclusion of purchased power capacity costs in automatic adjustment clauses. Sponsored by Office of People's Counsel.

84. New York, Consolidated Edison Company, Case Nos. 93-G-0996 and 93-S-0997, April 1994. Testimony concerning appropriate application of productivity in base rate proceeding for gas and steam rates. Sponsored by Utility Workers Union of America, AFL-CIO, Local 1-2.

85. New Jersey, Atlantic City Electric Company, BRC Docket No. ER9402003, OAL Docket No. PUC 1427-94, June 1994. Testimony concerning levelized energy adjustment clause.

86. New Mexico, Public Service Company of New Mexico, Case No. 2567, June 1994. Testimony concerning application of utility to reduce rates and write-off plant and regulatory assets.

87. New York, Consolidated Edison Company, Case No. 94-E-0334, October 1994. Testimony concerning health and safety and productivity issues in application of utility to increase base electric rates. Sponsored by Utility Workers Union of America, AFL-CIO, Local 1-2.

88. Maine, New England Telephone Company, Docket No. 94-254, February 1995. Testimony concerning accounting issues and revenue requirements in base rate proceeding. Sponsored by Staff of the Maine Public Utilities Commission.

89. District of Columbia, Potomac Electric Power Company, Formal Case No. 939, March 1995. Testimony in base rate proceeding, addressing utility risk and costs from ownership, sponsorship and financing of nonregulated affiliate. Sponsored by Office of People's Counsel.

90. New Jersey, IntraLATA Toll Presubscription, BPU Docket No. TX94090388, May 1995. Testimony in proceeding determining whether previously authorized 10XXX intraLATA toll competition should be modified to allow 1+ intraLATA toll presubscription.

91. District of Columbia, Bell Atlantic - Washington, Formal Case No. 814, Phase IV, July 1995. Testimony concerning price cap regulation proposal.

92. Massachusetts, Electric Utility Restructuring, appearance before Legislature's Joint Commission on Energy, November 1995.

93. New York, Electric Utility Restructuring, appearance before Assembly's Committee on Energy, December 1995.

94. New Jersey, Salem Outage, BPU Docket Nos. ES96030158 & ES96030159, April 1996. Testimony in proceeding to determine whether rates for Salem Unit 2 should be made interim.

95. New Mexico, Public Service Company of New Mexico, Case No. 2620, May 1996. Testimony in proceeding concerning formation of nonregulated operations.

96. New Mexico, Southwestern Public Service Co., Case No. 2678, June 1996. Testimony in proceeding concerning merger between SPS and Public Service Company of Colorado

97. Pennsylvania, Commonwealth Telephone Co., Docket No. P-00961024, June 1996. Testimony concerning alternative regulation and network modernization plan.

98. Massachusetts, Massachusetts Electric Company, DPU 96-25, December 1996. Testimony concerning restructure of utiity industry.

99. Pennsylvania, PECO Energy, Docket No. R-00973953, June 1997. Testimony concerning code of conduct concerning utility actions in a competitive market.

100. Pennsylvania, Pennsylvania Power & Light, Docket No. R-00973954, July 1997. Testimony concerning code of conduct concerning utility actions in a competitive market.

101. Georgia, BellSouth Telecommunications, Inc., Docket No. 7601-U. August 1997. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

102. Louisiana, BellSouth Telecommunications, Inc., September 1997. Docket Nos. U-22022 & U-22093. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

103. Alabama, BellSouth Telecommunications, Inc., Docket No. 26069. September 1997. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

104. Tennessee, Proceeding to Establish "Permanent Prices" for Interconnection and Unbundled Network Elements, October 1997. Docket No. 97-01262. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

105. Kentucky, Inquiry into Universal Service and Funding Issues, Administrative Case No. 360. November 1997. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

106. New Jersey, In the Matter of the Energy Master Plan Phase II Proceeding to Investigate the Future of the Electric Power Industry, BPU Docket Nos.EX9120585Y, EO97070461, EO97070462, EO97070463, November 1997. Testimony concerning stranded cost, market transition, competition and securitization.

107. South Carolina, Proceeding to Review BellSouth Telecommunications, Inc.'s Cost for Unbundled Network Elements and Interconnection Arrangements, Docket No. 97-374-C. November 1997. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

108. Louisians, The Development of Rules and Regulations Applicable to the Entry and Operations of and the Providing of Services by in the Local Intrastate and/or Interexchange Telecommunications Market in Louisiana (Universal Service), Docket No. U-20883 Subdocket A, January 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

109. North Carolina, Universal Service Support Mechanisms Pursuant to Section 254 of the Telecommunications Act of 1996, Docket No. P-100 Sub. 133b, January 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

110. Alabama, Implementation of the Universal Service Requirements of the Telecommunications Act of 1996, Docket No. 25980, February 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

111. Kentucky, Inquiry into Universal Service Funding Issues, Adminstrative Case 360, February 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

112. South Carolina, Proceeding to Establish Guidelines for an Intrastate Universal Service Fund, Docket No. 97-239-C. March 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

113. North Carolina, Proceeding to Determine Permanent Pricing for Unbundled Network Elements, Docket No. P-100 Sub 133d, March 1998. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

114. Mississippi, In the Matter of the Need to Select a Forward-Looking Cost Proxy Model for Calculation of Universal Service Support from the Federal High-Cost Universal Service Fund, Docket No. 98-AD-035, March 1998. Testimony concerning the application of the Hatfield Model to the determination of Universal Service Funding requirement.

115. Mississippi, Generic Proceeding to Establish "Permanent" Prices for BellSouth Interconnection and Unbundled Network Elements, Docket No. 97-AD-544, March 1998. Testimony concerning the application of the Hatfield Model to the determination of Telric unbundled network element rates.

APPENDIX D

STATEMENT OF QUALIFICATIONS

DAVID C. NEWTON

APPENDIX D

Statement of Qualifications

David C. Newton

Mr. Newton has spent 32 years in telecommunications network planning and design. Since 1991, Mr. Newton has served as a consulting telecommunications network engineer, advising clients and testifying in regulatory proceedings on a variety of network matters. Prior to his consulting work, Mr. Newton spent 27 years with the Southern New England Telephone Company, where he held numerous positions in network planning and network design.

Mr. Newton received a Bachelors of Science degree in Operation Management from Quinnipiac College and he holds an Associate Science degree in Electrical Engineering from Hartford State Technical College, awarded in 1965.

A summary of Mr. Newton's professional experience with Southern New England Telephone Company and a list of the engagements he has performed as a consulting telecommunications network engineer are provided on the attached sheets.

Network Planning and Design Experience With
Southern New England Telephone Company

1987 - 1991 District Manager - Network Planning

Responsible for directing the development and implementation of strategic long range plans for the evolution of the telephone network for the State of Connecticut, specifically, the technical evaluation and strategic planning for all components of the SNET network -- central office switching, interoffice facilities, local outside plant, Signalling System 7, operator services systems and the E911 network.

1984 - 1987 Staff Manager - Network Planning

Responsible for the economic analysis and planning for the development of new technology in all facets of the network

1981 - 1984 Manager - Network Design

Responsible for directing analyses of equipment condition and utilization and for managing the preparation of equipment specifications.

1966 - 1981 Various network field assignments in network planning and design

Activities included traffic analysis, trunk network forecasting and application, switch capacity analysis, switch design, switch translations and switch administration.

Consulting Engagements

Guam Public Utilities Commission

Docket No. 93-008 (ongoing) On behalf of the Guam Public Utility Commission, perform annual reviews of the construction program of the Guam Telephone Authority.

Docket No 97-001 (May 1997) On behalf of the Guam Public Utility Commission, evaluation of the ISDN tariff proposal of the Guam Telephone Authority.

Docket No. 96-007 (October 1996) On behalf of the Guam Public Utility Commission, evaluation of the private line tariff proposal of the Guam Telephone Authority.

Docket No. 93-007 (October 1996) On behalf of the Guam Public Utility Commission, development of a set of service standards for application to the Guam Telephone Authority.

Docket No. 92-005 (November 1992) On behalf of the Guam Public Utility Commission, evaluation of the capital program of the Guam Telephone Authority.

New Jersey Board of Regulatory Commissioners

Docket No. TO92030358 (September 1992) On behalf of Department of Public Advocate, analysis and evaluation of the proposed Network Modernization Plan of the New Jersey Bell Telephone Company, including deployment of narrowband and broadband services, switching deployment alternatives and use of HSDL in the loop.

Pennsylvania Public Utilities Commission

Docket No. P-00961024 (June 1996) On behalf of Office of Consumer Advocate, analysis and evaluation of the proposed Network Modernization Plan of the Commonwealth Telephone Company.

Virgin Islands Public Service Commission

Docket No. 398 (August 1995) On behalf of Virgin Island Public Service Commission, evaluated private line tariff proposal of VITELCO.

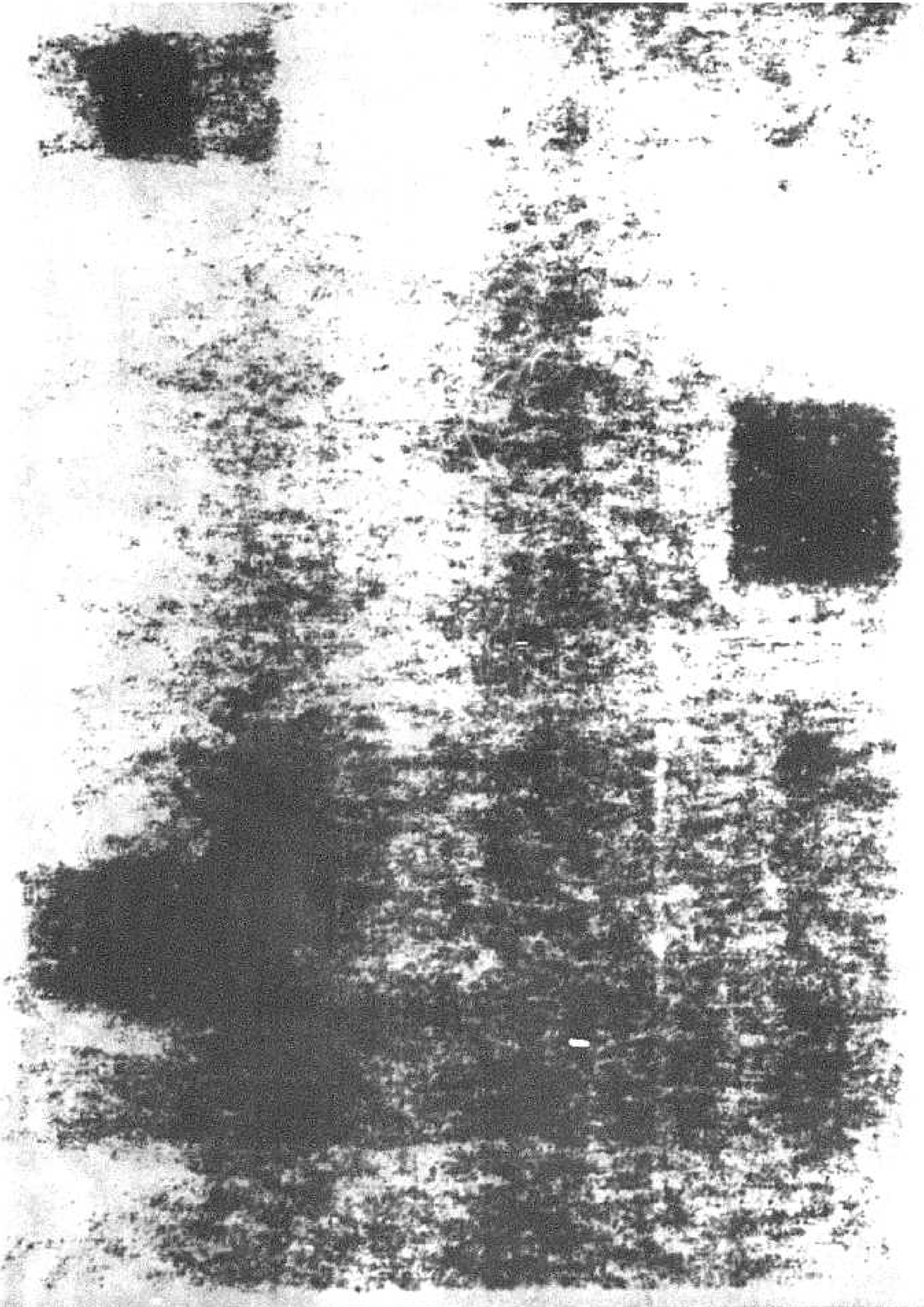
Docket No. 348 (March 1994) On behalf of Virgin Island Public Service Commission, evaluation of the network design and operation for the Enhanced 911 network for the Virgin Islands.

Guyana Public Utilities Commission

Docket No. 95 (January 1997) On behalf of Guyana Public Utilities Commission, evaluated the condition of the network of the Guyana Telephone Company and its compliance with certain modernization mandates included in the original condition of purchase.

TELRIC

On behalf of BellSouth Telecommunications, Inc., testimony concerning application of Hatfield Model in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee.



**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

In Re: Determination of the Cost of Basic Local Telecommunications Service, purusant to Section 364.025, Florida Statutes	Docket No. 980696-TP

Exhibits To
Rebuttal Testimony of
Jamshed K. Madan, Michael D. Dirmeier
and David C. Newton on Behalf of
BellSouth Telecommunications, Inc.

**Submitted
September 2, 1998**

[illegible]BLIC SERVICE COMMISSION

In Re: Determination of the Cost of [illegible]
Basic Local Telecommunications
Service, pursuant to Section [illegible],
Florida Statutes

Docket No. 980696-TP

[illegible]
[illegible] Testimony of
[illegible] Michael D. Dirm[illegible]
[illegible] on Behalf of
[illegible]munications[illegible]

Exhibit [illegible] ([illegible])
Identification of [illegible]
and the [illegible]

IDENTIFICATION OF SENSITIVE INPUT GROUPS AND CORRESPONDING GCG HEARING EXHIBITS

Sensitive Input Group		Associated HAI R5.0a Appendix B Inputs That Are Sensitive, Not Specific to BST-FL and Not Reasonable		GCG Hearing Exhibit Identifying BST-FL Specific and Reasonable Alternative Inputs
I.	NID and Drop	B1	NID Investment	Exhibit__(GCG-3)
		B2	Drop Distance	
		B3	Drop Placement, Aerial and Buried	
		B4	Buried Drop Sharing Fraction	
		B8	Drop Cable Investment	
II.	Terminal and Splice	B7	Terminal and Splice Investment per Line	Exhibit__(GCG-4)
III.	Distribution Investment	B10	Copper Distribution Cable Investment	Exhibit__(GCG-5)
		B11	Riser Cable Investment	
		B13	Buried Distribution Cable Sheath Multiplier	
		B14	Conduit Material Investment per Foot	
		B15	Spare Tubes per Route	
		B16	Regional Labor Adjustment Factor	
		B38	Serving Area Interface (SAI) Investment	
		B197	Underground Excavation	
		B198	Underground Restoration	
		B199	Buried Excavation	
		B200	Buried Installation and Restoration	
IV.	Copper Feeder Investment	B56	Copper Feeder Cable Investment	Exhibit__(GCG-6)
V.	Fiber Feeder Investment	B53	Buried Fiber Sheath Addition, per Foot	Exhibit__(GCG-7)
		B57	Fiber Feeder Cable Investment	
VI.	Structure Placement Fractions	B5	Drop Structure Fractions	Exhibit__(GCG-8)
		B17	Distribution Structure Fractions	
		B46	Copper Feeder Structure Fractions	
		B51	Fiber Feeder Structure Fractions	
		B121	Interoffice Structure Fractions	

Sensitive Input Group		Associated HAI R5.0a Appendix B Inputs That Are Sensitive, Not Specific to BST-FL and Not Reasonable		GCG Hearing Exhibit Identifying BST-FL Specific and Reasonable Alternative Inputs
VII.	Structure Sharing Fractions	B130	Fraction of Interoffice Structure Assigned to Telephone	Exhibit__(GCG-9)
		B180	Distribution and Feeder Fractions Assigned to Telephone	
VIII.	Copper and Fiber Sizing Factors	B18	Distribution Cable Sizing Factor	Exhibit__(GCG-10)
		B54	Copper Feeder Sizing Factor	
		B55	Fiber Feeder Sizing Factor	
IX.	DLC	B58	DLC Site and Power per Remote Terminal	Exhibit ____(GCG-11)
		B59	Maximum Line Size per Remote Terminal	
		B60	Remote Terminal Fill Factor	
		B61	DLC Initial Common Equipment Investment	
		B62	DLC Channel Unit Investment	
		B63	DLC Lines per Channel Unit	
		B64	Low Density DLC to TR-303 DLC Cutover	
		B65	Fibers per Remote Terminal	
		B66	Optical Patch Panel	
		B68	Common Equipment Investment per Additional Line Increment	
		B69	Maximum Number of Additional Line Modules per Remote	
X.	Interoffice Investment	B107	Transmission Terminal Investment	Exhibit__(GCG-12)
		B108	Number of Fibers	
		B109	Pigtails	
		B110	Optical Distribution Panel	
		B111	E, F & I per Hour	
		B115	Channel Bank Investment, per 24 Lines	
		B117	Digital Cross Connect System, Installed, per DS-3	
		B118	Transmission Terminal Fill	
		B119	Interoffice Fiber Cable Investment per Foot, Installed	
		B122	Transport Placement	
		B124	Interoffice Conduit Cost and Number of Spare Tubes	

Sensitive Input Group		Associated HAI R5.0a Appendix B Inputs That Are Sensitive, Not Specific to BST-FL and Not Reasonable	GCG Hearing Exhibit Identifying BST-FL Specific and Reasonable Alternative Inputs
XI.	Switching Factors	B77 Switch Port Administrative Fill B79 MDF/Protector Investment per Line B81 Switch Installation Multiplier B82 Constant EO Switching Investment Term, BOC and Large ICO B88 Wire Center Power Investment B103 Busy Hour Fraction of Daily Usage B104 Annual to Daily Usage Reduction Factor B131 Operator Traffic Fraction B132 Total Interoffice Traffic Fraction B134 Trunk Port, per End B136 Tandem-Routed Fraction of Total IntraLATA Traffic B137 Tandem-Routed Fraction of Total InterLATA Traffic B150 STP Link Capacity B153 Minimum STP Investment, per Pair B154 Link Termination, Both Ends B157 C Link Cross Section B162 Fraction of BHCA requiring TCAP B163 SCP Investment/Transaction/Second B166 Operator Invention Factor	Exhibit ____ (GCG-13)
XII.	Expense Factors	B181 Income Tax Rate B183 Other Taxes Factor B186 Forward-Looking Network Operations Factor B187 Alternative CO Switching Expense Factor B188 Alternative Circuit Equipment Factor Other Expense Factors	Exhibit___(GCG-14)
XIII.	Cost of Capital	B178 Cost of Capital	Exhibit___(GCG-15)
XIV.	Depreciation	B179 Depreciation Lives by Plant Type B179 Net Salvage Percentage by Plant Type	Exhibit___(GCG-16)
	Universal Service Support		Exhibit___(GCG-17)

Exhibit___(GCG-2)

Values for User-Adjustable Inputs: GCG Alternative [illegible]

Compared to HAI [illegible] Appendix [illegible] Default Values

HM5.0a Inputs - BellSouth Telecommunications, Inc.

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Distribution NID		
1.	B1	Residential NID case, no protector	$ 10.00	$ 7.65
2.	B1	Residential NID basic labor	$ 15.00	$ 33.31
3.	B1	Residential Protection Block, per pair	$ 4.00	$ 8.10
5.	B1	Business NID case, no protector	$ 25.00	$ 7.65
6.	B1	Business NID basic labor	$ 15.00	$ 33.31
7.	B1	Business Protection Block, per pair	$ 4.00	$ 8.10
8.	B1	Indoor NID case	$ 5.00	no change
		Labor Adjustment Factors		
9.	B16	Regional Labor Adjustment Factor	1.000	no change
10.	B16a	Contractor excavation and restoration	0.129	no change
11.	B16a	Telco construction -- copper	0.164	no change
12.	B16a	Telco construction -- fiber	0.364	no change
13.	B16a	Telco drop/NID installation and maintenance	0.571	no change
14.	B16a	Contractor pole setting	[illegible]	no change
		Distribution DROP		
15.	B2	Drop Distance, feet - 0	150	215
16.	B2	Drop Distance, feet - 5	130	215
17.	B2	Drop Distance, feet - 100	100	215
18.	B2	Drop Distance, feet - 200	100	215
19.	B2	Drop Distance, feet - 650	50	215
20.	B2	Drop Distance, feet - 850	50	215
21.	B2	Drop Distance, feet - 2550	50	215
22.	B2	Drop Distance, feet - 5000	50	215
23.	B2	Drop Distance, feet - 10000	50	215
24.	B3	Aerial Drop Placement (total) - 0	$ 23.33	$ 47.80
25.	B3	Aerial Drop Placement (total) - 5	$ 23.33	$ 47.80
26.	B3	Aerial Drop Placement (total) - 100	$ 17.50	$ 47.80
27.	B3	Aerial Drop Placement (total) - 200	$ 17.50	$ 47.80
28.	B3	Aerial Drop Placement (total) - 650	$ 11.67	$ 47.80
29.	B3	Aerial Drop Placement (total) - 850	$ 11.67	$ 47.80
30.	B3	Aerial Drop Placement (total) - 2550	$ 11.67	$ 47.80
31.	B3	Aerial Drop Placement (total) - 5000	$ 11.67	$ 47.80
32.	B3	Aerial Drop Placement (total) - 10000	$ 11.67	$ 47.80
33.	B3	Buried Drop Placement (total) - 0	$ 0.60	$ 0.52
34.	B3	Buried Drop Placement (total) - 5	$ 0.60	$ 0.52
35.	B3	Buried Drop Placement (total) - 100	$ 0.60	$ 0.52
36.	B3	Buried Drop Placement (total) - 200	$ 0.60	$ 0.52
37.	B3	Buried Drop Placement (total) - 650	$ 0.60	$ 0.52
38.	B3	Buried Drop Placement (total) - 850	$ 0.60	$ 0.52
39.	B3	Buried Drop Placement (total) - 2550	$ 0.75	$ 0.52
40.	B3	Buried Drop Placement (total) - 5000	$ 1.50	$ 0.52
41.	B3	Buried Drop Placement (total) - 10000	$ 5.00	$ 0.52
42.	B4	Buried Drop Sharing Fraction - 0	0.500	1.000
43.	B4	Buried Drop Sharing Fraction - 5	0.500	1.000
44.	B4	Buried Drop Sharing Fraction - 100	0.500	1.000
45.	B4	Buried Drop Sharing Fraction - 200	0.500	1.000
46.	B4	Buried Drop Sharing Fraction - 650	0.500	1.000
47.	B4	Buried Drop Sharing Fraction - 850	0.500	1.000
48.	B4	Buried Drop Sharing Fraction - 2550	0.500	1.000
49.	B4	Buried Drop Sharing Fraction - 5000	0.500	1.000
50.	B4	Buried Drop Sharing Fraction - 10000	0.500	1.000

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
51	B5	Buried Drop Fraction - 0	0.750	0.703
52	B5	Buried Drop Fraction - 5	0.750	0.703
53	B5	Buried Drop Fraction - 100	0.750	0.703
54	B5	Buried Drop Fraction - 200	0.700	0.703
55	B5	Buried Drop Fraction - 650	0.700	0.703
56	B5	Buried Drop Fraction - 850	0.700	0.703
57	B5	Buried Drop Fraction - 2550	0.700	0.703
58	B5	Buried Drop Fraction - 5000	0.4[illegible]	0.703
59	B5	Buried Drop Fraction - 10000	0.150	0.703
60.	B6	Average Lines per business location	4	no change
61	B7	Terminal and Splice per line, buried	$ 42.50	$ 0.00
62.	B7	Terminal and Splice per line, aerial	$ 32.00	$ 0.00
63.	B8	Drop cable investment per foot buried	$ 0.140	$ 0.127
64.	B8	Drop cable buried pairs	3	3
65.	B8	Drop cable investment per foot aerial	$ 0.095	$ 0.075
66.	B8	Drop cable aerial pairs	[illegible]	2
		Distribution Cable & Riser		
67.	B9	Distribution Cable Size 1	2,400	2,400
68.	B9	Distribution Cable Size 2	1,800	1,800
69.	B9	Distribution Cable Size 3	1,200	1,200
70.	B9	Distribution Cable Size 4	900	900
71	B9	Distribution Cable Size 5	600	600
72.	B9	Distribution Cable Size 6	400	400
73.	B9	Distribution Cable Size 7	200	200
74.	B9	Distribution Cable Size 8	100	100
75.	B9	Distribution Cable Size 9	50	50
76.	B9	Distribution Cable Size 10	25	2[illegible]
77	B9	Distribution Cable Size 11	12	12
78	B9	Distribution Cable Size 12	6	6
79.	B10	Distribution Cable Investment per foot 1	$ 20.00	$ 52.23
80	B10	Distribution Cable Investment per foot 2	$ 16.00	$ 40.90
81	B10	Distribution Cable Investment per foot 3	$ 12.00	$ 27.84
82.	B10	Distribution Cable Investment per foot 4	$ 10.00	$ 21.29
83	B10	Distribution Cable Investment per foot 5	$ 7.75	$ 15.24
84.	B10	Distribution Cable Investment per foot 6	$ 6.00	$ 10.43
85.	B10	Distribution Cable Investment per foot 7	$ 4.25	$ 5.86
86.	B10	Distribution Cable Investment per foot 8	$ 2.50	$ 3.39
87	B10	Distribution Cable Investment per foot 9	$ 1.63	$ 2.22
88.	B10	Distribution Cable Investment per foot 10	$ 1.19	$ 1.60
89.	B10	Distribution Cable Investment per foot 11	$ 0.79	$ 1.28
90.	B10	Distribution Cable Investment per foot 12	$ 0.63	$ 1.14
91.	B11	Distribution Riser Cable Size 1	2,400	2,400
92.	B11	Distribution Riser Cable Size 2	1,800	1,800
93.	B11	Distribution Riser Cable Size 3	1,200	1,200
94.	B11	Distribution Riser Cable Size 4	900	900
95.	B11	Distribution Riser Cable Size 5	600	600
96.	B11	Distribution Riser Cable Size 6	400	400
97.	B11	Distribution Riser Cable Size 7	200	200
98.	B11	Distribution Riser Cable Size 8	100	100
99.	B11	Distribution Riser Cable Size 9	50	50
100.	B11	Distribution Riser Cable Size 10	25	25
101	B11	Distribution Riser Cable Size 11	12	12
102	B11	Distribution Riser Cable Size 12	6	6

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
103	B11	Distribution Riser Cable Investment per foot 1	$ 25.00	no change
104	B11	Distribution Riser Cable Investment per foot 2	$ 20.00	no change
105	B11	Distribution Riser Cable Investment per foot 3	$ 15.00	no change
106	B11	Distribution Riser Cable Investment per foot 4	$ 12.50	no change
107	B11	Distribution Riser Cable Investment per foot 5	$ 10.00	no change
108	B11	Distribution Riser Cable Investment per foot 6	$ 7.50	no change
109	B11	Distribution Riser Cable Investment per foot 7	$ 5.30	no change
110	B11	Distribution Riser Cable Investment per foot 8	$ 3.15	no change
111	B11	Distribution Riser Cable Investment per foot 9	$ 2.00	no change
112	B11	Distribution Riser Cable Investment per foot 10	$ 1.50	no change
113	B11	Distribution Riser Cable Investment per foot 11	$ 0.85	no change
114	B11	Distribution Riser Cable Investment per foot 12	$ 0.80	no change
		Distribution Poles and Conduit		
115	B12	Pole Investment	20*	no change
116	B12	Pole Labor	21%	no change
117	B13	Buried Cable Jacketing Multiplier	1.040	1.011
118	B14	Conduit Investment per foot	$ 0.60	no change
119	B15	Spare Tubes per route	1	no change
		Distribution Placement Fraction		
120	B17	Buried Fraction - 0	0.750	0.671
121	B17	Buried Fraction - 5	0.750	0.671
122	B17	Buried Fraction - 100	0.750	0.671
123	B17	Buried Fraction - 200	0.700	0.671
124	B17	Buried Fraction - 650	0.700	0.671
125	B17	Buried Fraction - 850	0.700	0.671
126	B17	Buried Fraction - 2550	0.650	0.671
127	B17	Buried Fraction - 5000	0.350	0.671
128	B17	Buried Fraction - 10000	0.050	0.671
129	B17	Aerial Cable Fraction - 0	0.250	0.297
130	B17	Aerial Cable Fraction - 5	0.250	0.297
131	B17	Aerial Cable Fraction - 100	0.250	0.297
132	B17	Aerial Cable Fraction - 200	0.300	0.297
133	B17	Aerial Cable Fraction - 650	0.300	0.297
134	B17	Aerial Cable Fraction - 850	0.300	0.297
135	B17	Aerial Cable Fraction - 2550	0.300	0.297
136	B17	Aerial Cable Fraction - 5000	0.600	0.297
137	B17	Aerial Cable Fraction - 10000	0.650	0.297
138	B17	Buried fraction available for shift - 0	0.750	no change
139	B17	Buried fraction available for shift - 5	0.750	no change
140	B17	Buried fraction available for shift - 100	0.750	no change
141	B17	Buried fraction available for shift - 200	0.750	no change
142	B17	Buried fraction available for shift - 650	0.750	no change
143	B17	Buried fraction available for shift - 850	0.750	no change
144	B17	Buried fraction available for shift - 2550	0.750	no change
145	B17	Buried fraction available for shift - 5000	0.000	no change
146	B17	Buried fraction available for shift - 10000	0.000	no change

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Distribution Fill & Pole Spacing		
147	B18	Distribution Cable Fill - 0	0.500	0.838
148.	B18	Distribution Cable Fill - 5	0.550	0.838
149.	B18	Distribution Cable Fill - 100	0.580	0.838
150.	B18	Distribution Cable Fill - 200	0.600	0.838
151	B18	Distribution Cable Fill - 650	0.650	0.838
152.	B18	Distribution Cable Fill - 850	0.700	0.838
153.	B18	Distribution Cable Fill - 2550	0.750	0.838
154.	B18	Distribution Cable Fill - 5000	0.750	0.838
155.	B18	Distribution Cable Fill - 10000	0.750	0.838
156.	B19	Pole Spacing, feet - 0	250	no change
157.	B19	Pole Spacing, feet - 5	250	no change
158.	B19	Pole Spacing, feet - 100	200	no change
159.	B19	Pole Spacing, feet - 200	200	no change
160.	B19	Pole Spacing, feet - 650	175	no change
161.	B19	Pole Spacing, feet - 850	175	no change
162	B19	Pole Spacing, feet - 2550	150	no change
163	B19	Pole Spacing, feet - 5000	150	no change
164	B19	Pole Spacing, feet - 10000	150	no change
		Distribution Geology and Clusters		
165	B20	Distance Multiplier for difficult terrain	1.00	no change
166.	B21	Rock Depth Threshold, inches	24	no change
167	B22	Hard Rock Placement Multiplier	3.50	no change
168	B23	Soft Rock Placement Multiplier	2.00	no change
169	B24	Sidewalk/Street Fraction	0.20	no change
170	B25	Local RT - Maximum Total Distance	18,000	no change
171	B26	Feeder steering enable	FALSE	no change
172	B27	Main feeder route/air multiplier	1.27	no change
173	B27a	Rectangular cluster switch	FALSE	no change
		Distribution Long loop investments		
174	B28	Repeater investment, installed	$ 527	no change
175	B29	Integrated COT, installed	$ 420	no change
176	B30	Remote Multiplexer Common Equip Inv, installed	$ 8,200	no change
177	B31	Channel Unit Investment, per subscriber	$ 125	no change
178	B32	COT investment per RT, installed	$ 1,170	no change
179	B33	Remote Terminal fill factor	0.9000	no change
180	B34	Maximum T1s per cable	8	no change
181	B35	T1 repeater spacing, dB	32	no change
182	B36	Aerial T1 attenuation, dB/kft	6.30	no change
183	B37	Buried T1 attenuation, dB/kft	5.0	no change
		Distribution SAI		
184	B38	SAI Cable Size 1	7,2[illegible]	7,200
185	B38	SAI Cable Size 2	5,4[illegible]	5,400
186	B38	SAI Cable Size 3	3,6[illegible]	3,600
187	B38	SAI Cable Size 4	2,4[illegible]	2,400
188	B38	SAI Cable Size 5	1,8[illegible]	1,800
189	B38	SAI Cable Size 6	1,2[illegible]	1,200
190	B38	SAI Cable Size 7	[illegible]	900
191	B38	SAI Cable Size 8	600	600
192	B38	SAI Cable Size 9	400	400
193	B38	SAI Cable Size 10	[illegible]	200
194	B38	SAI Cable Size 11	[illegible]	100
195	B38	SAI Cable Size 12	50	0

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
196.	B38	SAI Indoor Investment 1	$ 9,[illegible]6	no change
197.	B38	SAI Indoor Investment 2	$ 7,[illegible]2	no change
198.	B38	SAI Indoor Investment 3	$ 4,[illegible]8	no change
199.	B38	SAI Indoor Investment 4	$ 3,[illegible]2	no change
200.	B38	SAI Indoor Investment 5	$ 2,484	no change
201.	B38	SAI Indoor Investment 6	$ 1,776	no change
202.	B38	SAI Indoor Investment 7	$ 1,232	no change
203.	B38	SAI Indoor Investment 8	$ 888	no change
204.	B38	SAI Indoor Investment 9	$ 592	no change
205.	B38	SAI Indoor Investment 10	$ [illegible]98	no change
206.	B38	SAI Indoor Investment 11	$ 48	no change
207.	B38	SAI Indoor Investment 12	[illegible] 98	no change
208.	B38	SAI Outdoor Investment 1	$ 10,000	$ 30,500
209.	B38	SAI Outdoor Investment 2	$ 8,200	$ 25,400
210.	B38	SAI Outdoor Investment 3	$ 6,000	$ 20,300
211.	B38	SAI Outdoor Investment 4	$ 4,300	$ 15,300
212.	B38	SAI Outdoor Investment 5	$ 3,400	$ 13,600
213.	B38	SAI Outdoor Investment 6	$ 2,400	$ 10,200
214.	B38	SAI Outdoor Investment 7	$ 1,[illegible]	$ 8,600
215.	B38	SAI Outdoor Investment 8	$ 1,400	$ 6,200
216.	B38	SAI Outdoor Investment 9	$ 1,000	$ 4,600
217.	B38	SAI Outdoor Investment 10	$ 600	$ 3,000
218.	B38	SAI Outdoor Investment 11	$ 750	$ 2,200
219.	B38	SAI Outdoor Investment 12	$ 250	$ 0
		Distribution Dedicated circuit inputs		
		Percentage of dedicated circuits		
220.	B39	DS-0 fraction	1.00	no change
221.	B39	DS-1 fraction	0.00	no change
		Pairs per dedicated circuit		
222.	B40	DS-0 pair equivalent	1	no change
223.	B40	DS-1 pair equivalent	2	no change
224.	B40	DS-3 pair equivalent	56	no change
		Distribution Wireless Investment		
225.	B41	Wireless Investment Cap Enabled	FALSE	no change
226.	B42	Wireless Point to Point inv cap - distribution, per line	$ 7,500	no change
227.	B43	Wireless Common inv, broadcast	$ 112,500	no change
228.	B44	Wireless per line inv, broadcast	$ 500	no change
229.	B45	Maximum broadcast lines for common inv	30	no change
		Feeder Copper placement		
230.	B46	Copper Aerial Fraction - 0	0.500	0.042
231.	B46	Copper Aerial Fraction - 5	0.500	0.042
232.	B46	Copper Aerial Fraction - 100	0.500	0.042
233.	B46	Copper Aerial Fraction - 200	0.400	0.042
234.	B46	Copper Aerial Fraction - 650	0.300	0.042
235.	B46	Copper Aerial Fraction - 850	0.200	0.042
236.	B46	Copper Aerial Fraction - 2550	0.150	0.042
237.	B46	Copper Aerial Fraction - 5000	0.100	0.042
238.	B46	Copper Aerial Fraction - 10000	0.050	0.042
239.	B46	Copper Buried Fraction - 0	0.450	0.240
240.	B46	Copper Buried Fraction - 5	0.450	0.240
241.	B46	Copper Buried Fraction - 100	0.450	0.240
242.	B46	Copper Buried Fraction - 200	0.400	0.240
243.	B46	Copper Buried Fraction - 650	0.300	0.240
244.	B46	Copper Buried Fraction - 850	0.200	0.240
245.	B46	Copper Buried Fraction - 2550	0.100	0.240
246.	B46	Copper Buried Fraction - 5000	0.050	0.240
247.	B46	Copper Buried Fraction - 10000	0.050	0.240

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Feeder Copper placement		
248.	B47	Copper Manhole Spacing, feet - 0	800	no change
249.	B47	Copper Manhole Spacing, feet - 5	800	no change
250.	B47	Copper Manhole Spacing, feet - 100	800	no change
251.	B47	Copper Manhole Spacing, feet - 200	800	no change
252.	B47	Copper Manhole Spacing, feet - 650	800	no change
253.	B47	Copper Manhole Spacing, feet - 850	600	no change
254.	B47	Copper Manhole Spacing, feet - 2550	600	no change
255.	B47	Copper Manhole Spacing, feet - 5000	400	no change
256.	B47	Copper Manhole Spacing, feet - 10000	400	no change
257.	B48	Pole Spacing, feet - 0	250	no change
258.	B48	Pole Spacing, feet - 5	250	no change
259.	B48	Pole Spacing, feet - 100	200	no change
260.	B48	Pole Spacing, feet - 200	200	no change
261.	B48	Pole Spacing, feet - 650	175	no change
262.	B48	Pole Spacing, feet - 850	175	no change
263.	B48	Pole Spacing, feet - 2550	150	no change
264.	B48	Pole Spacing, feet - 5000	150	no change
265.	B48	Pole Spacing, feet - 10000	150	no change
266.	B49	Pole Materials	201	no change
267.	B49	Pole Labor	216	no change
268.	B50	Inner Duct Investment per foot	$ 0.30	no change
269.		Conduit Material Investment per foot	$ 0.60	$ 0.83
270.		Spare Tubes per section	1	0
		Feeder Fiber placement		
271.	B51	Fiber Aerial Fraction - 0	0.350	0.081
272.	B51	Fiber Aerial Fraction - 5	0.350	0.081
273.	B51	Fiber Aerial Fraction - 100	0.350	0.081
274.	B51	Fiber Aerial Fraction - 200	0.300	0.081
275.	B51	Fiber Aerial Fraction - 650	0.300	0.081
276.	B51	Fiber Aerial Fraction - 850	0.200	0.081
277.	B51	Fiber Aerial Fraction - 2550	0.150	0.081
278.	B51	Fiber Aerial Fraction - 5000	0.100	0.081
279.	B51	Fiber Aerial Fraction - 10000	0.050	0.081
280.	B51	Fiber Buried Fraction - 0	0.600	0.200
281.	B51	Fiber Buried Fraction - 5	0.600	0.200
282.	B51	Fiber Buried Fraction - 100	0.600	0.200
283.	B51	Fiber Buried Fraction - 200	0.600	0.200
284.	B51	Fiber Buried Fraction - 650	0.300	0.200
285.	B51	Fiber Buried Fraction - 850	0.200	0.200
286.	B51	Fiber Buried Fraction - 2550	0.100	0.200
287.	B51	Fiber Buried Fraction - 5000	0.050	0.200
288.	B51	Fiber Buried Fraction - 10000	0.050	0.200
289.	B51	Buried fraction available for shift - 0	0.750	no change
290.	B51	Buried fraction available for shift - 5	0.750	no change
291.	B51	Buried fraction available for shift - 100	0.750	no change
292.	B51	Buried fraction available for shift - 200	0.750	no change
293.	B51	Buried fraction available for shift - 650	0.750	no change
294.	B51	Buried fraction available for shift - 850	0.750	no change
295.	B51	Buried fraction available for shift - 2550	0.750	no change
296.	B51	Buried fraction available for shift - 5000	0.750	no change
297.	B51	Buried fraction available for shift - 10000	0.750	no change

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
298	B52	Fiber Pullbox Spacing, feet - 0	2,000	no change
299	B52	Fiber Pullbox Spacing, feet - 5	2,000	no change
300	B52	Fiber Pullbox Spacing, feet - 100	2,000	no change
301	B52	Fiber Pullbox Spacing, feet - 200	2,000	no change
302	B52	Fiber Pullbox Spacing, feet - 650	2,000	no change
303	B52	Fiber Pullbox Spacing, feet - 850	2,000	no change
304	B52	Fiber Pullbox Spacing, feet - 2550	2,000	no change
305	B52	Fiber Pullbox Spacing, feet - 5000	2,000	no change
306	B52	Fiber Pullbox Spacing, feet - 10000	2,000	no change
		Feeder placement		
307		Buried Copper Cable Sheath Multiplier	1.040	1.011
308	B53	Buried Fiber Sheath Addition per foot	$ 0.20	$ 0
		Feeder Fill factors		
309	B54	Copper Feeder Fill - 0	0.650	0.711
310	B54	Copper Feeder Fill - 5	0.750	0.711
311	B54	Copper Feeder Fill - 100	0.800	0.711
312	B54	Copper Feeder Fill - 200	0.800	0.711
313	B54	Copper Feeder Fill - 650	0.800	0.711
314	B54	Copper Feeder Fill - 850	0.800	0.711
315	B54	Copper Feeder Fill - 2550	0.800	0.711
316	B54	Copper Feeder Fill - 5000	0.800	0.711
317	B54	Copper Feeder Fill - 10000	0.800	0.711
318	B55	Fiber Feeder Strand Fill - 0	1.000	0.867
319	B55	Fiber Feeder Strand Fill - 5	1.000	0.867
320	B55	Fiber Feeder Strand Fill - 100	1.000	0.867
321	B55	Fiber Feeder Strand Fill - 200	1.000	0.867
322	B55	Fiber Feeder Strand Fill - 650	1.000	0.867
323	B55	Fiber Feeder Strand Fill - 850	1.000	0.867
324	B55	Fiber Feeder Strand Fill - 2550	1.000	0.867
325	B55	Fiber Feeder Strand Fill - 5000	1.000	0.867
326	B55	Fiber Feeder Strand Fill - 10000	1.000	0.867
		Feeder Cable costs		
327	B56	Copper Feeder Investment per foot - 4200	$ 29.00	$ 91.40
328	B56	Copper Feeder Investment per foot - 3600	$ 26.00	$ 78.34
329	B56	Copper Feeder Investment per foot - 3000	$ 23.00	$ 65.28
330	B56	Copper Feeder Investment per foot - 2400	$ 20.00	$ 52.23
331	B56	Copper Feeder Investment per foot - 1800	$ 16.00	$ 40.90
332	B56	Copper Feeder Investment per foot - 1200	$ 13.00	$ 27.84
333	B56	Copper Feeder Investment per foot - 900	$ 10.00	$ 21.29
334	B56	Copper Feeder Investment per foot - 600	$ 7.75	$ 15.24
335	B56	Copper Feeder Investment per foot - 400	$ 6.00	$ 10.43
336	B56	Copper Feeder Investment per foot - 200	$ 4.25	$ 5.66
337	B56	Copper Feeder Investment per foot - 100	$ 2.50	$ 3.39
338	B56	Copper investment/pair - foot	$ 0.0075	$ 0.0220
339	B57	Fiber Feeder Investment per foot - 216	$ 13.10	$ 7.87
340	B57	Fiber Feeder Investment per foot - 144	$ 9.80	$ 5.77
341	B57	Fiber Feeder Investment per foot - 96	$ 7.10	$ 4.38
342	B57	Fiber Feeder Investment per foot - 72	$ 5.90	$ 3.65
343	B57	Fiber Feeder Investment per foot - 60	$ 5.30	$ 3.28
344	B57	Fiber Feeder Investment per foot - 48	$ 4.70	$ 2.91
345	B57	Fiber Feeder Investment per foot - 36	$ 4.10	$ 2.40
346	B57	Fiber Feeder Investment per foot - 24	$ 3.50	$ 2.15
347	B57	Fiber Feeder Investment per foot - 18	$ 3.20	$ 1.99
348	B57	Fiber Feeder Investment per foot - 12	$ 2.90	$ 1.84
349	B57	Fiber investment/strand - foot	$ 0.1000	$ 0.0810

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Feeder DISC*S DLC equipment		
350	B58	TR-303 DLC Site and Power	$ 3,000	$ 0
351	B59	TR-303 DLC Maximum Lines/Increment	672	672
352	B60	TR-303 DLC RT Fill Factor	0.9000	0.8800
353	B61	TR-303 DLC Basic Common Eqpt Invest + initial lines	$ 66,000	$ 136,094
354	B62	TR-303 DLC POTS Channel Unit Investment	$ 310.00	$ 68.59
355	B63	TR-303 DLC POTS Lines per CU	4	2
356	B62	TR-303 DLC Coin Channel Unit Investment	$ 250.00	$ 417.28
357	B63	TR-303 DLC Coin Lines per CU	2	1
358	B64	TR-303 DLC 303/LD crossover, lines	480	576
359	B65	TR-303 DLC Fibers per RT	4	4
360	B66	TR-303 DLC Optical Patch Panel	$ 1,000	$ 902.83
361	B67	TR-303 DLC Copper Feeder Max Distance, ft	9,000	9,000
362	B68	TR-303 DLC Common Eqpt Invest per additional 672 lines	$ 16,800	$ 32,810
363	B69	TR-303 DLC Maximum Number of additional line modules/RT	2	3
		Feeder LITESPAN DLC equipment		
364	B58	TR-303 DLC Site and Power	$ 3,000	$ 0
365	B59	TR-303 DLC Maximum Lines/Increment	672	224
366	B60	TR-303 DLC RT Fill Factor	0.9000	0.7320
367	B61	TR-303 DLC Basic Common Eqpt Invest + initial lines	$ 6[illegible],000	$ 121,531
368	B62	TR-303 DLC POTS Channel Unit Investment	$ [illegible]10.00	$ 370.41
369	B63	TR-303 DLC POTS Lines per CU	4	4
370	B62	TR-303 DLC Coin Channel Unit Investment	$ 250.00	$ 792.27
371	B63	TR-303 DLC Coin Lines per CU	2	4
372	B64	TR-303 DLC 303/LD crossover, lines	480	384
373	B65	TR-303 DLC Fibers per RT	4	4
374	B66	TR-303 DLC Optical Patch Panel	$ 1,000	$ 902.83
375	B67	TR-303 DLC Copper Feeder Max Distance, ft	9,000	9,000
376	B68	TR-303 DLC Common Eqpt Invest per additional 672 lines	$ 16,500	$ 6,814
377	B69	TR-303 DLC Maximum Number of additional line modules/RT	2	6
		Feeder Low Density DLC equipment		
378	B58	Low Density DLC Site and Power	$ 1,300	$ 0
379	B59	Low Density DLC Maximum Lines/Increment	120	192
380	B60	Low Density DLC RT Fill Factor	0.9000	follow TR303
381	B61	Low Density DLC Basic Common Eqpt Invest + initial lines	$ 16,000	$ 60,220
382	B62	Low Density DLC POTS Channel Unit Investment	$ 600.00	$ 82.31
383	B63	Low Density DLC POTS Lines per CU	6	2
384	B62	Low Density DLC Coin Channel Unit Investment	$ 600.00	$ 405.65
385	B63	Low Density DLC Coin Lines per CU	6	1
386	B65	Low Density DLC Fibers per RT	4	4
387	B66	Low Density DLC Optical Patch Panel	$ 1,000.00	$ 902.83
388	B68	Low Density DLC Common Eqpt Invest per additional 96 lines	$ 9,400	$ 25,612
389	B69	Low Density DLC Maximum Number of additional line modules/RT	1	9
		Feeder Copper Manhole Investment		
390	B70	Copper Manhole Materials - 0	$ 1,885	$ 0
391	B70	Copper Manhole Materials - 5	$ 1,885	$ 0
392	B70	Copper Manhole Materials - 100	$ 1,885	$ 0
393	B70	Copper Manhole Materials - 200	$ 1,885	$ 0
394	B70	Copper Manhole Materials - 650	$ 1,885	$ 0
395	B70	Copper Manhole Materials - 850	$ 1,885	$ 0
396	B70	Copper Manhole Materials - 2500	$ 1,885	$ 0
397	B70	Copper Manhole Materials - 5000	$ 1,885	$ 0
398	B70	Copper Manhole Materials - 10000	$ 1,885	$ 0

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
399.	B70	Copper Manhole Frame and Cover - 0	$ 350	$ 0
400.	B70	Copper Manhole Frame and Cover - 5	$ 350	$ 0
401.	B70	Copper Manhole Frame and Cover - 100	$ 350	$ 0
402.	B70	Copper Manhole Frame and Cover - 200	$ 350	$ 0
403.	B70	Copper Manhole Frame and Cover - 650	$ 350	$ 0
404.	B70	Copper Manhole Frame and Cover - 850	$ 350	$ 0
405.	B70	Copper Manhole Frame and Cover - 2550	$ 350	$ 0
406.	B70	Copper Manhole Frame and Cover - 5000	$ 350	$ 0
407.	B70	Copper Manhole Frame and Cover - 10000	$ 350	$ 0
408.	B70	Copper Manhole Site Delivery - 0	$ 125	$ 0
409.	B70	Copper Manhole Site Delivery - 5	$ 125	$ 0
410.	B70	Copper Manhole Site Delivery - 100	$ 125	$ 0
411.	B70	Copper Manhole Site Delivery - 200	$ 125	$ 0
412.	B70	Copper Manhole Site Delivery - 650	$ 125	$ 0
413.	B70	Copper Manhole Site Delivery - 850	$ 125	$ 0
414.	B70	Copper Manhole Site Delivery - 2550	$ 125	$ 0
415.	B70	Copper Manhole Site Delivery - 5000	$ 125	$ 0
416.	B70	Copper Manhole Site Delivery - 10000	$ 125	$ 0
417.	B70	Copper Manhole Excavate and Backfill - 0	$ 2,800	$ 0
418.	B70	Copper Manhole Excavate and Backfill - 5	$ 2,800	$ 0
419.	B70	Copper Manhole Excavate and Backfill - 100	$ 2,800	$ 0
420.	B70	Copper Manhole Excavate and Backfill - 200	$ 2,800	$ 0
421.	B70	Copper Manhole Excavate and Backfill - 650	$ 3,200	$ 0
422.	B70	Copper Manhole Excavate and Backfill - 850	$ 3,500	$ 0
423.	B70	Copper Manhole Excavate and Backfill - 2550	$ 3,500	$ 0
424.	B70	Copper Manhole Excavate and Backfill - 5000	$ 5,000	$ 0
425.	B70	Copper Manhole Excavate and Backfill - 10000	$ 5,000	$ 0
426.	B71	Dewatering factor manhole excavation (additive)	0.20	no change
427.	B72	Water table depth for dewatering, ft	5	no change
		Feeder Fiber Pullbox Investment		
428.	B73	Fiber Pullbox Materials - 0	$ 280	$ 0
429.	B73	Fiber Pullbox Materials - 5	$ 280	$ 0
430.	B73	Fiber Pullbox Materials - 100	$ 280	$ 0
431.	B73	Fiber Pullbox Materials - 200	$ 280	$ 0
432.	B73	Fiber Pullbox Materials - 650	$ 280	$ 0
433.	B73	Fiber Pullbox Materials - 850	$ 280	$ 0
434.	B73	Fiber Pullbox Materials - 2550	$ 280	$ 0
435.	B73	Fiber Pullbox Materials - 5000	$ 280	$ 0
436.	B73	Fiber Pullbox Materials - 10000	$ 280	$ 0
437.	B73	Fiber Pullbox Installation - 0	$ 220	$ 0
438.	B73	Fiber Pullbox Installation - 5	$ 220	$ 0
439.	B73	Fiber Pullbox Installation - 100	$ 220	$ 0
440.	B73	Fiber Pullbox Installation - 200	$ 220	$ 0
441.	B73	Fiber Pullbox Installation - 650	$ 220	$ 0
442.	B73	Fiber Pullbox Installation - 850	$ 220	$ 0
443.	B73	Fiber Pullbox Installation - 2550	$ 220	$ 0
444.	B73	Fiber Pullbox Installation - 5000	$ 220	$ 0
445.	B73	Fiber Pullbox Installation - 10000	$ 220	$ 0

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Switching End Office Switching		
446	B74	Switch Capacity Real-Time (BHCA) - 1	10,000	no change
447	B74	Switch Capacity Real-Time (BHCA) - 2	50,000	no change
448	B74	Switch Capacity Real-Time (BHCA) - 3	200,000	no change
449	B74	Switch Capacity Real-Time (BHCA) - 4	600,000	no change
450	B75	Switch Capacity Traffic (BHCCS) - 1	30,000	no change
451	B75	Switch Capacity Traffic (BHCCS) - 2	150,000	no change
452	B75	Switch Capacity Traffic (BHCCS) - 3	600,000	no change
453	B75	Switch Capacity Traffic (BHCCS) - 4	1,800,000	no change
454	B76	Initial Switch Maximum Equipped Line Size	80,000	no change
455	B77	Switch Port Administrative Fill	0.98	0.94
456	B78	Switch Maximum Processor Occupancy	0.90	no change
457	B79	MDF/Protector Investment per line	$ 12.00	$ 23.08
458	B80	Analog Line Circuit Offset for DLC lines, per line	$ 5.00	no change
459	B81	Switch Installation Multiplier	1.1000	1.0870
460	B82	Constant EO Switching Investment Term, small ICO	$ 416.11	no change
461	B82	Constant EO Switching Investment Term, BOC and large ICO	$ 242.73	$ 288.59
462	B83	Multiplicative EO Switching Investment Term	$ (14.122)	no change
463	B84	Processor Feature Loading Multiplier - normal	1.20	no change
464	B84	Processor Feature Loading Multiplier - heavy business	2.00	no change
465	B85	Processor Feature Loading Multiplier - business penetration threshold	0.30	no change
		Switching Wirecenter		
466	B86	Lot Size, Multiplier of Switch Room Size	2.00	no change
467	B87	Tandem/EO Wire Center Common Factor	0.40	no change
468	B88	Power Investment 1	$ 5,000	$ 17,000
469	B88	Power Investment 2	$ 10,000	$ 24,0[illegible]
470	B88	Power Investment 3	$ 20,000	$ 56,000
471	B88	Power Investment 4	$ 50,000	$ 164,000
472	B88	Power Investment 5	$ 250,000	$ 275,000
473	B89	Switch Room Size, sq ft 1	500	no change
474	B89	Switch Room Size, sq ft 2	1,000	no change
475	B89	Switch Room Size, sq ft 3	2,000	no change
476	B89	Switch Room Size, sq ft 4	5,000	no change
477	B89	Switch Room Size, sq ft 5	10,000	no change
478	B90	Construction Investment, sq ft 1	$ 75	no change
479	B90	Construction Investment, sq ft 2	$ 85	no change
480	B90	Construction Investment, sq ft 3	$ 100	no change
481	B90	Construction Investment, sq ft 4	$ 125	no change
482	B90	Construction Investment, sq ft 5	$ 150	no change
483	B91	Land Investment, sq ft 1	$ 5	no change
484	B91	Land Investment, sq ft 2	$ 8	no change
485	B91	Land Investment, sq ft 3	$ 10	no change
486	B91	Land Investment, sq ft 4	$ 15	no change
487	B91	Land Investment, sq ft 5	$ 20	no change

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Switching – Traffic Parameters		
488.	B92	Local Call Attempts	state	no change
489.	B93	Call Completion Factor	specific	no change
490.	B94	IntraLATA Calls Completed	values	no change
491.	B95	InterLATA Intrastate Calls Completed	from	no change
492.	B96	InterLATA Interstate Calls Completed	ARMIS	no change
493.	B97	Local DEMs, thousands	files	no change
494.	B98	Intrastate DEMs, thousands		no change
495.	B99	Interstate DEMs, thousands		no change
496.	B100	Local Business/Residence DEMs	1.10	no change
497.	B101	Intrastate Business/Residence DEMs	2.00	no change
498.	B102	Interstate Business/Residence DEMs	3.00	no change
499.	B103	BH Fraction of Daily Usage	0.1000	0.0865
500.	B104	Annual to Daily Usage Reduction Factor	270	310
501.	B105	Residential Holding Time Multiplier	1.00	no change
502.	B105	Business Holding Time Multiplier	1.00	no change
503.	B106	Residential Call Attempts per BH	1.30	no change
504.	B106	Business Call Attempts per BH	3.50	no change
		Switching – Interoffice Investment		
505.	B107	OC-48 ADM, installed, 48 DS-3s	$ 50,000	$ 107,844
506.	B107	OC-48 ADM, installed, 12 DS-3s	$ 40,000	$ 62,083
507.	B107	OC-3/DS-1 Terminal Multiplexer, installed, 84 DS-1s	$ 28,000	$ 30,720
508.	B107	Investment per 7 DS-1s	$ 500	$ 655
509.	B108	Number of Fibers	24	24
510.	B109	Pigtails, per Strand	$ 60.00	$ 28.05
511.	B110	Optical Distribution Panel	$ 1,000	$ 1,805
512.	B111	EF&I, per hour	$ 65	$ 0
513.	B112	EF&I hours	$ 32	$ 0
514.	B113	Regenerator, installed	$ 15,000	no change
515.	B114	Regenerator spacing, miles	40	40
516.	B115	Channel Bank Investment, per 24 lines	$ 5,000	$ 2,995
517.	B116	Fraction of SA Lines Requiring Multiplexing	0.0000	no change
518.	B117	DCS installed, per DS-3	$ 30,000	$ 5,812
519.	B118	Transmission Terminal Fill (DS-0 level)	0.90	0.80
520.	B119	Fiber investment, fiber cable	$ 3.50	$ 2.17
521.	B120	Fiber, number of strands per ADM	4	4
522.	B121	Fiber investment, buried fraction	0.80	0.46
523.	B121	Fiber, aerial fraction	0.20	0.14
524.	B122	Fiber investment, conduit placement	$ 18.40	$ 4.79
525.	B122	Fiber investment, buried placement	$ 1.77	$ 3.11
526.	B123	Fiber investment, buried sheath addition	$ 0.20	$ 0.00
527.	B124	Fiber investment, conduit	$ 0.60	$ 0.83
528.	B124	Fiber, spare tubes per route	1	0
529.	B125	Fiber, pullbox spacing	2,000	no change
530.	B126	Fiber investment, pullbox investment	$ 500.00	$ 0.00
531.	B127	Fiber, pole spacing, feet	150	no change
532.	B128	Fiber investment, pole material	$ 201	no change
533.	B128	Fiber investment, pole labor (basic)	$ 216	no change
534.	B129	Fraction Poles and Buried/UG Placement Common with Feeder	0.750	no change
535.	B130	Fraction of Aerial Structure Assigned to Telephone	0.330	0.399
536.	B130	Fraction of Buried Structure Assigned to Telephone	0.330	1.000
537.	B130	Fraction of Underground Structure Assigned to Telephone	0.330	1.000

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Switching Transmission parameters		
538.	B131	Operator Traffic Fraction	0.0200	0.0030
539.	B132	Total Interoffice Traffic Fraction	0.6500	0.7400
540.	B133	Maximum Trunk Occupancy, CCS	2" 1	27.5
541.	B134	Trunk Port, per end	$ 100.00	$ 79.95
542.	B135	Direct-routed Fraction of Local Interoffice	0.98	no change
543.	B136	Tandem-routed Fraction of Total IntraLATA Traffic	0.200	0.200
544.	B137	Tandem-routed Fraction of Total InterLATA Traffic	0.200	0.200
545.	B138	POPs per Tandem Location	5	no change
546.	B139	Threshold value for off-ring wire centers, total lines	1.00	no change
547.	B140	Remote-host fraction of interoffice traffic -- remote	0.10	no change
548.	B141	Host-remote fraction of interoffice traffice -- host	0.05	no change
549.	B142	Maximum nodes per ring	16	no change
550.	B142a	Ring transiting traffic factor	0.40	no change
551.	B142b	Intertandem fraction of tandem trunks (additive)	0.10	no change
		Switching Tandem Switching		
552.	B143	Real-time Limit, BHCA	750,000	no change
553.	B144	Port Limit, trunks	100,000	no change
554.	B145	Common Equipment Investment	$ 1,0/0,000	no change
555.	B146	Maximum Port Fill	1.90	no change
556.	B147	Maximum Real-time Occupancy	0.90	no change
557.	B148	Common Equipment Intercept Factor	0.80	no change
558.	B149	Entrance Facility Distance, miles	0.50	no change
		Switching Signaling		
559.	B150	STP Link Capacity	720	1,024
560.	B151	STP Maximum Link Fill	0.80	no change
561.	B152	Maximum STP Investment, per pair	$ 5,000,000	$ 5,000,000
562.	B153	Minimum STP Investment, per pair	$ 1,000,000	$ 224,000
563.	B154	Link Termination, both ends	$ 900	$ 725
564.	B155	Signaling Link Bit Rate	56,000	no change
565.	B156	Link Occupancy	0.40	no change
566.	B157	C Link Cross Section	24	16
567.	B158	ISUP Messages per Interoffice BHCA	6	no change
568.	B159	ISUP Message Length, bytes	25	no change
569.	B160	TCAP Messages per transaction	2	no change
570.	B161	TCAP Message length, bytes	100	no change
571.	B162	Fraction of BHCA requiring TCAP	0.10	0.50
572.	B163	SCP Investment/Transaction/Second	$ 20,000	$ 2,444
		Switching OS and Public Telephone		
573.	B164	Operator Investment per position	$ 6,400	no change
574.	B165	Operator Maximum Utilizatio.., per position, CCS	32.0	no change
575.	B166	Operator Intervention Factor	10	2
576.	B167	Public Telephone Investment, per station	$ 760	no change
		Switching ICO Parameters		
577.	B168	ICO STP Investment, per line (equipment)	$ 5.50	no change
578.	B169	ICO Local Tandem Investment, per line	$ 1.90	no change
579.	B170	ICO OS Tandem Investment, per line	$ 0.80	no change
580.	B171	ICO SCP Investment per line (equipment)	$ 2.80	no change
581.	B172	ICO SCP - STP per line (wirecenter)	$ 0.40	no change
582.	B173	ICO Local Tandem Investment, per line (wirecenter)	$ 2.50	no change
583.	B174	ICO OS Tandem Investment, per line (wirecenter)	$ 1.00	no change
584.	B175	ICO Tandem A Links and C Links per line (wirecenter)	$ 0.30	no change
585.	B175a	Equivalent facility investment, per DS-0	$ 1.8.08	no change
586.	B175b	Equivalent terminal investment, per DS-0	$ 111.62	no change

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Switching - Host/Remote Parameters		
587.	B176	Host-remote CLLI assignments		Input form
588.	B177	Use host - remote assignments	FALSE	no change
		Switching - Host/Remote Investment		
589.	B177a	Switch line size - 1	0	no change
590.	B177a	Switch line size - 2	640	no change
591.	B177a	Switch line size - 3	5,000	no change
592.	B177a	Switch line size - 4	10,000	no change
593.	B177b	BOC standalone fixed inv - 1	$ 175,000	no change
594.	B177b	BOC standalone fixed inv - 2	$ 175,000	no change
595.	B177b	BOC standalone fixed inv - 3	$ 175,000	no change
596.	B177b	BOC standalone fixed inv - 4	$ 475,000	no change
597.	B177b	BOC host fixed inv - 1	$ 183,750	no change
598.	B177b	BOC host fixed inv - 2	$ 183,750	no change
599.	B177b	BOC host fixed inv - 3	$ 18[illegible]50	no change
600.	B177b	BOC host fixed inv - 4	$ [illegible],750	no change
601.	B177b	BOC remote fixed inv - 1	$ 10,000	no change
602.	B177b	BOC remote fixed inv - 2	$ 55,000	no change
603.	B177b	BOC remote fixed inv - 3	$ 70,000	no change
604.	B177b	BOC remote fixed inv - 4	$ 225,000	no change
605.	B177b	BOC standalone per line inv - 1	$ 75	no change
606.	B177b	BOC standalone per line inv - 2	$ 75	no change
607.	B177b	BOC standalone per line inv - 3	$ 75	no change
608.	B177b	BOC standalone per line inv - 4	$ 73	no change
609.	B177b	BOC host per line inv - 1	$ 75	no change
610.	B177b	BOC host per line inv - 2	$ 75	no change
611.	B177b	BOC host per line inv - 3	$ 75	no change
612.	B177b	BOC host per line inv - 4	$ 73	no change
613.	B177b	BOC remote per line inv - 1	$ 85	no change
614.	B177b	BOC remote per line inv - 2	$ 8[illegible]	no change
615.	B177b	BOC remote per line inv - 3	$ 85	no change
616.	B177b	BOC remote per line inv - 4	$ 70	no change
617.	B177b	ICO standalone fixed inv - 1	$ 300,001	no change
618.	B177b	ICO standalone fixed inv - 2	$ 300,001	no change
619.	B177b	ICO standalone fixed inv - 3	$ 300,001	no change
620.	B177b	ICO standalone fixed inv - 4	$ 814,299	no change
621.	B177b	ICO host fixed inv - 1	$ 315,001	no change
622.	B177b	ICO host fixed inv - 2	$ 315,001	no change
623.	B177b	ICO host fixed inv - 3	$ 315,001	no change
624.	B177b	ICO host fixed inv - 4	$ 855,003	no change
625.	B177b	ICO remote fixed inv - 1	$ 17,143	no change
626.	B177b	ICO remote fixed inv - 2	$ 94,286	no change
627.	B177b	ICO remote fixed inv - 3	$ 120,000	no change
628.	B177b	ICO remote fixed inv - [illegible]	$ 385,718	no change
629.	B177b	ICO standalone per line inv - 1	$ 129	no change
630.	B177b	ICO standalone per line inv - 2	$ 129	no change
631.	B177b	ICO standalone per line inv - 3	$ 129	no change
632.	B177b	ICO standalone per line inv - 4	$ 124	no change
633.	B177b	ICO host per line inv - 1	$ 129	no change
634.	B177b	ICO host per line inv - 2	$ 129	no change
635.	B177b	ICO host per line inv - 3	$ 129	no change
636.	B177b	ICO host per line inv - 4	$ 124	no change
637.	B177b	ICO remote per line inv - 1	$ 140	no chan[illegible]
638.	B177b	ICO remote per line inv - 2	$ 141	no change
639.	B177b	ICO remote per line inv - 3	$ 140	no change
640.	B177b	ICO remote per line inv - 4	$ 120	no change

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Expense Cost of Capital		
641.	B178	Cost of Debt	7.70%	6.50%
642.	B178	Debt Fraction	45.00%	40.00%
643.	B178	Cost of Equity	11.90%	14.40%
		Expense Depreciation		
644.	B179	Motor Vehicles - Economic Life	8.24	8.00
645.	B179	Garage Work Equipment - Economic Life	12.22	12.00
646.	B179	Other Work Equipment - Economic Life	13.04	15.00
647.	B179	Buildings - Economic Life	46.93	45.00
648.	B179	Furniture - Economic Life	15.92	15.00
649.	B179	Office Support Equipment - Economic Life	10.78	11.50
650.	B179	Company Comm. Equipment - Economic Life	7.40	7.00
651.	B179	General Purpose Computer - Economic Life	6.12	5.00
652.	B179	Digital Electronic Switching - Economic Life	16.17	10.00
653.	B179	Operator Systems - Economic Life	9.41	10.00
654.	B179	Digital Circuit Equipment - Economic Life	10.24	9.00
655.	B179	Public Telephone Terminal Equipment - Economic Life	7.60	6.00
656.	B179	Poles - Economic Life	30.25	34.00
657.	B179	Aerial Cable - metallic - Economic Life	20.61	14.00
658.	B179	Aerial Cable - non metallic - Economic Life	[illegible]	20.00
659.	B179	Underground Cable - metallic - Economic Life	25.00	12.00
660.	B179	Underground Cable - non metallic - Economic Life	26.45	20.00
661.	B179	Buried - metallic - Economic Life	21.57	14.00
662.	B179	Buried - non metallic - Economic Life	25.91	20.00
663.	B179	Intrabuilding Cable - metallic - Economic Life	18.16	20.00
664.	B179	Intrabuilding Cable - non metallic - Economic Life	26.11	20.00
665.	B179	Conduit Systems - Economic Life	56.19	55.00
666.	B179	Motor Vehicles - Net Salvage %	11.21%	16.00%
667.	B179	Garage Work Equipment - Net Salvage %	-10.71%	0.00%
668.	B179	Other Work Equipment - Net Salvage %	3.21%	0.00%
669.	B179	Buildings - Net Salvage %	1.87%	0.00%
670.	B179	Furniture - Net Salvage %	6.80%	10.00%
671.	B179	Office Support Equipment - Net Salvage %	8.91%	5.00%
672.	B179	Company Comm. Equipment - Net Salvage %	3.75%	10.00%
673.	B179	General Purpose Computer - Net Salvage %	3.73%	0.00%
674.	B179	Digital Electronic Switching - Net Salvage %	2.97%	0.00%
675.	B179	Operator Systems - Net Salvage %	-0.82%	0.00%
676.	B179	Digital Circuit Equipment - Net Salvage %	-1.69%	0.00%
677.	B179	Public Telephone Terminal Equipment - Net Salvage %	7.97%	5.00%
678.	B179	Poles - Net Salvage %	-89.96%	-60.00%
679.	B179	Aerial Cable - metallic - Net Salvage %	-23.03%	-14.00%
680.	B179	Aerial Cable - non metallic - Net Salvage %	-17.53%	-14.00%
681.	B179	Underground Cable - metallic - Net Salvage %	-18.28%	-8.00%
682.	B179	Underground Cable - non metallic - Net Salvage %	-14.58%	-8.00%
683.	B179	Buried - metallic - Net Salvage %	-8.39%	-7.00%
684.	B179	Buried - non metallic - Net Salvage %	-8.59%	-7.00%
685.	B179	Intrabuilding Cable - metallic - Net Salvage %	-15.74%	-10.00%
686.	B179	Intrabuilding Cable - non metallic - Net Salvage %	-10.52%	-10.00%
687.	B179	Conduit Systems - Net Salvage %	-10.34%	-10.00%

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
688.	B179a	Furniture - Capital Costs - % assigned per line	0.0000	0.0000
689.	B179a	Furniture - Expenses - % assigned per line	0.0000	0.0000
690.	B179a	Office Equipment - Capital Costs - % assigned per line	0.0000	0.0000
691.	B179a	Office Equipment - Expenses - % assigned per line	0.0000	0.0000
692.	B179a	General Purpose Computer - Capital Costs - % assigned per line	0.0000	0.0000
693.	B179a	General Purpose Computer - Expenses - % assigned per line	0.0000	0.0000
694.	B179a	Motor Vehicles - Capital Costs - % assigned per line	0.0000	0.0000
695.	B179a	Motor Vehicles - Expenses - % assigned per line	0.0000	0.0000
696.	B179a	Buildings - Capital Costs - % assigned per line	0.0000	0.0000
697.	B179a	Buildings - Expenses - % assigned per line	0.0000	0.0000
698.	B179a	Garage Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
699.	B179a	Garage Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
700.	B179a	Other Work Eqpt. - Capital Costs - % assigned per line	0.0000	0.0000
701.	B179a	Other Work Eqpt. - Expenses - % assigned per line	0.0000	0.0000
702.	B179a	Network Operations - % assigned per line	0.0000	0.0000
703.	B179a	Other Taxes - % assigned per line	0.0000	0.0000
704.	B179a	Variable Overhead - % assigned per line	0.0000	0.0000
		Expenses - Structure Fraction Assigned to Telephone		
705.	B180	Distribution Aerial Shring Fraction - 0	0.500	0.399
706.	B180	Distribution Aerial Shring Fraction - 5	0.330	0.399
707.	B180	Distribution Aerial Shring Fraction - 100	0.250	0.399
708.	B180	Distribution Aerial Shring Fraction - 200	0.250	0.399
709.	B180	Distribution Aerial Shring Fraction - 650	0.250	0.399
710.	B180	Distribution Aerial Shring Fraction - 850	0.250	0.399
711.	B180	Distribution Aerial Shring Fraction - 2550	0.250	0.399
712.	B180	Distribution Aerial Shring Fraction - 5000	0.250	0.399
713.	B180	Distribution Aerial Shring Fraction - 10000	0.250	0.399
714.	B180	Distribution Buried Shring Fraction - 0	0.330	0.960
715.	B180	Distribution Buried Shring Fraction - 5	0.330	0.960
716.	B180	Distribution Buried Shring Fraction - 100	0.330	0.960
717.	B180	Distribution Buried Shring Fraction - 200	0.330	0.960
718.	B180	Distribution Buried Shring Fraction - 650	0.330	0.960
719.	B180	Distribution Buried Shring Fraction - 850	0.330	0.960
720.	B180	Distribution Buried Shring Fraction - 2550	0.330	0.960
721.	B180	Distribution Buried Shring Fraction - 5000	0.330	0.960
722.	B180	Distribution Buried Shring Fraction - 10000	0.330	0.960
723.	B180	Distribution Underground Shring Fraction - 0	1.000	1.000
724.	B180	Distribution Underground Shring Fraction - 5	0.500	1.000
725.	B180	Distribution Underground Shring Fraction - 100	0.500	1.000
726.	B180	Distribution Underground Shring Fraction - 200	0.500	1.000
727.	B180	Distribution Underground Shring Fraction - 650	0.400	1.000
728.	B180	Distribution Underground Shring Fraction - 850	0.330	1.000
729.	B180	Distribution Underground Shring Fraction - 2550	0.330	1.000
730.	B180	Distribution Underground Shring Fraction - 5000	0.330	1.000
731.	B180	Distribution Underground Shring Fraction - 10000	0.330	1.000
732.	B180	Feeder Aerial Shring Fraction - 0	0.500	0.399
733.	B180	Feeder Aerial Shring Fraction - 5	0.330	0.399
734.	B180	Feeder Aerial Shring Fraction - 100	0.250	0.399
735.	B180	Feeder Aerial Shring Fraction - 200	0.250	0.399
736.	B180	Feeder Aerial Shring Fraction - 650	0.250	0.399
737.	B180	Feeder Aerial Shring Fraction - 850	0.250	0.399
738.	B180	Feeder Aerial Shring Fraction - 2550	0.250	0.399
739.	B180	Feeder Aerial Shring Fraction - 5000	0.250	0.399
740.	B180	Feeder Aerial Shring Fraction - 10000	0.250	0.399

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
741.	B180	Feeder Underground Sharing Fraction - 0	0.500	1.000
742.	B180	Feeder Underground Sharing Fraction - 5	0.500	1.000
743.	B180	Feeder Underground Sharing Fraction - 100	0.400	1.000
744.	B180	Feeder Underground Sharing Fraction - 200	0.330	1.000
745.	B180	Feeder Underground Sharing Fraction - 650	0.330	1.000
746.	B180	Feeder Underground Sharing Fraction - 850	0.330	1.000
747.	B180	Feeder Underground Sharing Fraction - 2550	0.330	1.000
748.	B180	Feeder Underground Sharing Fraction - 5000	0.330	1.000
749.	B180	Feeder Underground Sharing Fraction - 10000	0.330	1.000
750.	B180	Feeder Buried Sharing Fraction - 0	0.400	1.000
751.	B180	Feeder Buried Sharing Fraction - 5	0.400	1.000
752.	B180	Feeder Buried Sharing Fraction - 100	0.400	1.000
753.	B180	Feeder Buried Sharing Fraction - 200	0.400	1.000
754.	B180	Feeder Buried Sharing Fraction - 650	0.400	1.000
755.	B180	Feeder Buried Sharing Fraction - 850	0.400	1.000
756.	B180	Feeder Buried Sharing Fraction - 2550	0.400	1.000
757.	B180	Feeder Buried Sharing Fraction - 5000	0.400	1.000
758.	B180	Feeder Buried Sharing Fraction - 10000	0.4[illegible]	1.000
		Expense - Other		
759.	B181	Tax Rate	39.[illegible]5%	38.57%
760.	B182	Corporate Overhead Factor	0.10[illegible]	no change
761.	B183	Other Taxes Factor	0.0000	0.0477
762.	B184	Billing/Bill Inquiry per line per month	$ 1.22	no change
763.	B185	Directory Listing per line per month	$ 0.00	no change
764.	B186	Forward-looking Network Operations Factor	0.50	0.90
765.	B187	Alternative CO Switching Factor	0.0269	0.0585
766.	B188	Alternative Circuit Equipment Factor	0.0153	0.0170
767.	B189	EO Traffic Sensitive Fraction	0.70	no change
768.	B190	Monthly LNP cost, per line	$ 0.25	no change
769.	B191	Carrier to Carrier Customer Service, per line per year	$ 1.69	no change
770.	B192	NID Expense per line per year	$ 1.[illegible]	no change
771.	B193	DS-0/DS-1 Terminal Factor	12.4	no change
772.	B194	DS-1/DS-3 Terminal Factor	9.8	no change
773.	B195	Average Lines per Business Location	4	no change
774.	B196	Average Trunk Utilization	0.30	no change
		Underground Excavation/Restoration Computation		
775.		*Computed Underground cable installation cost - 0*	$ 10.29	$ 4.79
776.		*Computed Underground cable installation cost - 5*	$ 10.29	$ 4.79
777.		*Computed Underground cable installation cost - 100*	$ 10.29	$ 4.79
778.		*Computed Underground cable installation cost - 200*	$ 11.33	$ 4.79
779.		*Computed Underground cable installation cost - 650*	$ 11.58	$ 4.79
780.		*Computed Underground cable installation cost - 850*	$ 16.40	$ 4.79
781.		*Computed Underground cable installation cost - 2550*	$ 21.60	$ 4.79
782.		*Computed Underground cable installation cost - 5000*	$ 50.10	$ 4.79
783.		*Computed Underground cable installation cost - 10000*	$ 75.00	$ 4.79

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
784.	B197	Trench Per Ft - 0	$ 1.90	$ 0.00
785.	B197	Trench Per Ft - 5	$ 1.90	$ 0.00
786.	B197	Trench Per Ft - 100	$ 1.90	$ 0.00
787.	B197	Trench Per Ft - 200	$ 1.90	$ 0.00
788.	B197	Trench Per Ft - 650	$ 1.95	$ 0.00
789.	B197	Trench Per Ft - 850	$ 2.15	$ 0.00
790.	B197	Trench Per Ft - 2550	$ 2.15	$ 0.00
791.	B197	Trench Per Ft - 5000	$ 6.00	$ 0.00
792.	B197	Trench Per Ft -10000	$ 6.00	$ 0.00
793.		*Computed Probability Normal Trenching Per Ft - 0*	*0.540*	*0.000*
794.		*Computed Probability Normal Trenching Per Ft - 5*	*0.540*	*0.000*
795.		*Computed Probability Normal Trenching Per Ft - 100*	*0.540*	*0.000*
796.		*Computed Probability Normal Trenching Per Ft - 200*	*0.520*	*0.000*
797.		*Computed Probability Normal Trenching Per Ft - 650*	*0.520*	*0.000*
798.		*Computed Probability Normal Trenching Per Ft - 850*	*0.500*	*0.000*
799.		*Computed Probability Normal Trenching Per Ft - 2550*	*0.350*	*0.000*
800.		*Computed Probability Normal Trenching Per Ft - 5000*	*0.230*	*0.000*
801.		*Computed Probability Normal Trenching Per Ft -10000*	*0.160*	*0.000*
802.	B197	Backhoe Trench Fraction - 0	[illegible]	1.00
803.	B197	Backhoe Trench Fraction - 5	0.45	1.00
804.	B197	Backhoe Trench Fraction - 100	0.45	1.00
805.	B197	Backhoe Trench Fraction - 200	0.48	1.00
806.	B197	Backhoe Trench Fraction - 650	0.48	1.00
807.	B197	Backhoe Trench Fraction - 850	0.48	1.00
808.	B197	Backhoe Trench Fraction - 2550	0.55	1.00
809.	B197	Backhoe Trench Fraction - 5000	0.67	1.00
810.	B197	Backhoe Trench Fraction -10000	0.72	1.00
811.	B197	Backhoe Trench Per Ft - 0	$ 3.00	$ 4.79
812.	B197	Backhoe Trench Per Ft - 5	$ 3.00	$ 4.79
813.	B197	Backhoe Trench Per Ft - 100	$ 3.00	$ 4.79
814.	B197	Backhoe Trench Per Ft - 200	$ 3.00	$ 4.79
815.	B197	Backhoe Trench Per Ft - 650	$ 3.00	$ 4.79
816.	B197	Backhoe Trench Per Ft - 850	$ 3.00	$ 4.79
817.	B197	Backhoe Trench Per Ft - 2550	$ 3.00	$ 4.79
818.	B197	Backhoe Trench Per Ft - 5000	$ 20.00	$ 4.79
819.	B197	Backhoe Trench Per Ft -10000	$ 30.00	$ 4.79
820.	B197	Hand Trench Fraction - 0	0.01	0.00
821.	B197	Hand Trench Fraction - 5	0.01	0.00
822.	B197	Hand Trench Fraction - 100	0.01	0.00
823.	B197	Hand Trench Fraction - 200	0.03	0.00
824.	B197	Hand Trench Fraction - 650	0.03	0.00
825.	B197	Hand Trench Fraction - 850	0.05	0.00
826.	B197	Hand Trench Fraction - 2550	0.10	0.00
827.	B197	Hand Trench Fraction - 5000	0.10	0.00
828.	B197	Hand Trench Fraction -10000	0.12	0.00
829.	B197	Hand Trench Per Ft - 0	$ 5.00	$ 0.00
830.	B197	Hand Trench Per Ft - 5	$ 5.00	$ 0.00
831.	B197	Hand Trench Per Ft - 100	$ 5.00	$ 0.00
832.	B197	Hand Trench Per Ft - 200	$ 5.00	$ 0.00
833.	B197	Hand Trench Per Ft - 650	$ 5.00	$ 0.00
834.	B197	Hand Trench Per Ft - 850	$ 5.00	$ 0.00
835.	B197	Hand Trench Per Ft - 2550	$ 5.00	$ 0.00
836.	B197	Hand Trench Per Ft - 5000	$ 10.00	$ 0.00
837.	B197	Hand Trench Per Ft -10000	$ 16.00	$ 0.00

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
838.	B198	Cut/Restore Asphalt Fraction - 0	0.55	0.00
839.	B198	Cut/Restore Asphalt Fraction - 5	0.55	0.00
840.	B198	Cut/Restore Asphalt Fraction - 100	0.55	0.00
841.	B198	Cut/Restore Asphalt Fraction - 200	0.65	0.00
842.	B198	Cut/Restore Asphalt Fraction - 650	0.70	0.00
843.	B198	Cut/Restore Asphalt Fraction - 850	0.75	0.00
844.	B198	Cut/Restore Asphalt Fraction - 2550	0.75	0.00
845.	B198	Cut/Restore Asphalt Fraction - 5000	0.80	0.00
846.	B198	Cut/Restore Asphalt Fraction -10000	0.82	0.00
847.	B198	Cut/Restore Asphalt Per Ft - 0	$ 6.00	$ 0.00
848.	B198	Cut/Restore Asphalt Per Ft - 5	$ 6.00	$ 0.00
849.	B198	Cut/Restore Asphalt Per Ft - 100	$ 6.00	$ 0.00
850.	B198	Cut/Restore Asphalt Per Ft - 200	$ 6.00	$ 0.00
851.	B198	Cut/Restore Asphalt Per Ft - 650	$ 6.00	$ 0.00
852.	B198	Cut/Restore Asphalt Per Ft - 850	$ 6.00	$ 0.00
853.	B198	Cut/Restore Asphalt Per Ft - 2550	$ 6.00	$ 0.00
854.	B198	Cut/Restore Asphalt Per Ft - 5000	$ 18.00	$ 0.00
855.	B198	Cut/Restore Asphalt Per Ft -10000	$ 30.00	$ 0.00
856.	B198	Cut/Restore Concrete Fraction - 0	0.10	0.00
857.	B198	Cut/Restore Concrete Fraction - 5	0.10	0.00
858.	B198	Cut/Restore Concrete Fraction - 100	0.10	0.00
859.	B198	Cut/Restore Concrete Fraction - 200	0.10	0.00
860.	B198	Cut/Restore Concrete Fraction - 650	0.10	0.00
861.	B198	Cut/Restore Concrete Fraction - 850	0.10	0.00
862.	B198	Cut/Restore Concrete Fraction - 2550	0.15	0.00
863.	B198	Cut/Restore Concrete Fraction - 5000	0.15	0.00
864.	B198	Cut/Restore Concrete Fraction -10000	0.16	0.00
865.	B198	Cut/Restore Concrete Per Ft - 0	$ 9.00	$ 0.00
866.	B198	Cut/Restore Concrete Per Ft - 5	$ 9.00	$ 0.00
867.	B198	Cut/Restore Concrete Per Ft - 100	$ 9.00	$ 0.00
868.	B198	Cut/Restore Concrete Per Ft - 200	$ 9.00	$ 0.00
869.	B198	Cut/Restore Concrete Per Ft - 650	$ 9.00	$ 0.00
870.	B198	Cut/Restore Concrete Per Ft - 850	$ 9.00	$ 0.00
871.	B198	Cut/Restore Concrete Per Ft - 2550	$ 9.00	$ 0.00
872.	B198	Cut/Restore Concrete Per Ft - 5000	$ 21.00	$ 0.00
873.	B198	Cut/Restore Concrete Per Ft -10000	$ 36.00	$ 0.00
874.	B198	Cut/Restore Sod Fraction - 0	0.01	0.00
875.	B198	Cut/Restore Sod Fraction - 5	0.01	0.00
876.	B198	Cut/Restore Sod Fraction - 100	0.01	0.00
877.	B198	Cut/Restore Sod Fraction - 200	0.03	0.00
878.	B198	Cut/Restore Sod Fraction - 650	0.04	0.00
879.	B198	Cut/Restore Sod Fraction - 850	0.06	0.00
880.	B198	Cut/Restore Sod Fraction - 2550	0.04	0.00
881.	B198	Cut/Restore Sod Fraction - 5000	0.02	0.00
882.	B198	Cut/Restore Sod Fraction -10000	0.00	0.00
883.	B198	Cut/Restore Sod Per Ft - 0	$ 1.00	$ 0.00
884.	B198	Cut/Restore Sod Per Ft - 5	$ 1.00	$ 0.00
885.	B198	Cut/Restore Sod Per Ft - 100	$ 1.00	$ 0.00
886.	B198	Cut/Restore Sod Per Ft - 200	$ 1.00	$ 0.00
887.	B198	Cut/Restore Sod Per Ft - 650	$ 1.00	$ 0.00
888.	B198	Cut/Restore Sod Per Ft - 850	$ 1.00	$ 0.00
889.	B198	Cut/Restore Sod Per Ft - 2550	$ 1.00	$ 0.00
890.	B198	Cut/Restore Sod Per Ft - 5000	$ 1.00	$ 0.00
891.	B198	Cut/Restore Sod Per Ft -10000	$ 1.00	$ 0.00

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
892.	B190	Pavement Stabilization Per Ft - 0	$ 5.00	$ 0.00
893.	B190	Pavement Stabilization Per Ft - 5	$ 5.00	$ 0.00
894.	B190	Pavement Stabilization Per Ft - 100	$ 5.00	$ 0.00
895.	B190	Pavement Stabilization Per Ft - 200	$ 5.00	$ 0.00
896.	B190	Pavement Stabilization Per Ft - 650	$ 5.00	$ 0.00
897.	B190	Pavement Stabilization Per Ft - 850	$ 9.00	$ 0.00
898.	B190	Pavement Stabilization Per Ft - 2550	$ 13.00	$ 0.00
899.	B190	Pavement Stabilization Per Ft - 5000	$ 17.00	$ 0.00
900.	B190	Pavement Stabilization Per Ft -10000	$ 20.00	$ 0.00
901.		*Computed probability Pavement Stabilization Per Ft - 0*	*0.650*	*0.000*
902.		*Computed probability Pavement Stabilization Per Ft - 5*	*0.650*	*0.000*
903.		*Computed probability Pavement Stabilization Per Ft - 100*	*0.650*	*0.000*
904.		*Computed probability Pavement Stabilization Per Ft - 200*	*0.750*	*0.000*
905.		*Computed probability Pavement Stabilization Per Ft - 650*	*0.800*	*0.000*
906.		*Computed probability Pavement Stabilization Per Ft - 850*	*0.850*	*0.000*
907.		*Computed probability Pavement Stabilization Per Ft - 2550*	*0.900*	*0.000*
908.		*Computed probability Pavement Stabilization Per Ft - 5000*	*0.950*	*0.000*
909.		*Computed probability Pavement Stabilization Per Ft -10000*	*0.980*	*0.000*
910.	B190	Dirt Stabilization Per Ft - 0	$ 1.00	$ 0.00
911.	B190	Dirt Stabilization Per Ft - 5	$ 1.00	$ 0.00
912.	B190	Dirt Stabilization Per Ft - 100	$ 1.00	$ 0.00
913.	B190	Dirt Stabilization Per Ft - 200	$ 1.00	$ 0.00
914.	B190	Dirt Stabilization Per Ft - 650	$ 1.00	$ 0.00
915.	B190	Dirt Stabilization Per Ft - 850	$ 4.00	$ 0.00
916.	B190	Dirt Stabilization Per Ft - 2550	$ 11.00	$ 0.00
917.	B190	Dirt Stabilization Per Ft - 5000	$ 12.00	$ 0.00
918.	B190	Dirt Stabilization Per Ft -10000	$ 16.00	$ 0.00
919.		*Computed probability Dirt Stabilization Per Ft - 0*	*0.350*	*1.000*
920.		*Computed probability Dirt Stabilization Per Ft - 5*	*0.350*	*1.000*
921.		*Computed probability Dirt Stabilization Per Ft - 100*	*0.350*	*1.000*
922.		*Computed probability Dirt Stabilization Per Ft - 200*	*0.250*	*1.000*
923.		*Computed probability Dirt Stabilization Per Ft - 650*	*0.200*	*1.000*
924.		*Computed probability Dirt Stabilization Per Ft - 850*	*0.150*	*1.000*
925.		*Computed probability Dirt Stabilization Per Ft - 2550*	*0.100*	*1.000*
926.		*Computed probability Dirt Stabilization Per Ft - 5000*	*0.050*	*1.000*
927.		*Computed probability Dirt Stabilization Per Ft -10000*	*0.030*	*1.000*
928.	B190	Simple Backfill - 0	$ 0.15	$ 0.00
929.	B190	Simple Backfill - 5	$ 0.15	$ 0.00
930.	B190	Simple Backfill - 100	$ 0.15	$ 0.00
931.	B190	Simple Backfill - 200	$ 0.15	$ 0.00
932.	B190	Simple Backfill - 650	$ 0.15	$ 0.00
933.	B190	Simple Backfill - 850	$ 0.15	$ 0.00
934.	B190	Simple Backfill - 2550	$ 0.15	$ 0.00
935.	B190	Simple Backfill - 5000	$ 0.15	$ 0.00
936.	B190	Simple Backfill -10000	$ 0.15	$ 0.00
937.		*Computed probability Simple Backfill - 0*	*0.340*	*1.000*
938.		*Computed probability Simple Backfill - 5*	*0.340*	*1.000*
939.		*Computed probability Simple Backfill - 100*	*0.340*	*1.000*
940.		*Computed probability Simple Backfill - 200*	*0.220*	*1.000*
941.		*Computed probability Simple Backfill - 650*	*0.160*	*1.000*
942.		*Computed probability Simple Backfill - 850*	*0.090*	*1.000*
943.		*Computed probability Simple Backfill - 2550*	*0.060*	*1.000*
944.		*Computed probability Simple Backfill - 5000*	*0.030*	*1.000*
945.		*Computed probability Simple Backfill -10000*	*0.020*	*1.000*

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
		Buried Excavation/Restoration		
946		*Computed buried cable installation cost - 0*	$ 1.77	$ 3.09
947		*Computed buried cable installation cost - 5*	$ 1.77	$ 3.09
948		*Computed buried cable installation cost - 100*	$ 1.77	$ 3.09
949		*Computed buried cable installation cost - 200*	$ 1.83	$ 3.09
950		*Computed buried cable installation cost - 650*	$ 2.17	$ 3.09
951		*Computed buried cable installation cost - 850*	$ 3.94	$ 3.09
952.		*Computed buried cable installation cost - 2550*	$ 4.27	$ 3.09
953.		*Computed buried cable installation cost - 5000*	$ 12.00	$ 3.09
954.		*Computed buried cable installation cost - 10000*	$ 45.00	$ 3.09
955.	B199	Plow Fraction - 0	0.60	0.00
956.	B199	Plow Fraction - 5	0.60	0.00
957.	B199	Plow Fraction - 100	0.60	0.00
958.	B199	Plow Fraction - 200	0.60	0.00
959.	B199	Plow Fraction - 650	0.35	0.00
960.	B199	Plow Fraction - 850	0.20	0.00
961.	B199	Plow Fraction - 2550	0.[illegible]	0.00
962.	B199	Plow Fraction - 5000	0.00	0.00
963.	B199	Plow Fraction -10000	0.00	0.00
964.	B199	Plow Per Ft - 0	$ 0.60	$ 0.00
965.	B199	Plow Per Ft - 5	$ 0.60	$ 0.00
966.	B199	Plow Per Ft - 100	$ 0.60	$ 0.00
967.	B199	Plow Per Ft - 200	$ 0.60	$ 0.00
968.	B199	Plow Per Ft - 650	$ 0.60	$ 0.00
969.	B199	Plow Per Ft - 850	$ 1.20	$ 0.00
970.	B199	Plow Per Ft - 2550	$ 1.20	$ 0.00
971.	B199	Plow Per Ft - 5000	$ 1.20	$ 0.00
972.	B199	Plow Per Ft -10000	$ 1.20	$ 0.00
973.	B199	Trench Per Ft - 0	$ 1.90	$ 0.00
974.	B199	Trench Per Ft - 5	$ 1.90	$ 0.00
975.	B199	Trench Per Ft - 100	$ 1.90	$ 0.00
976.	B199	Trench Per Ft - 200	$ 1.90	$ 0.00
977.	B199	Trench Per Ft - 650	$ 1.90	$ 0.00
978.	B199	Trench Per Ft - 850	$ 2.15	$ 0.00
979.	B199	Trench Per Ft - 2550	$ 2.15	$ 0.00
980.	B199	Trench Per Ft - 5000	$ 6.00	$ 0.00
981.	B199	Trench Per Ft -10000	$ 15.00	$ 0.00
982.		*Computed probability [Normal] Trench Per Ft - 0*	0.280	0.000
983.		*Computed probability [Normal] Trench Per Ft - 5*	0.280	0.000
984.		*Computed probability [Normal] Trench Per Ft - 100*	0.280	0.000
985.		*Computed probability [Normal] Trench Per Ft - 200*	0.370	0.000
986.		*Computed probability [Normal] Trench Per Ft - 650*	0.510	0.000
987.		*Computed probability [Normal] Trench Per Ft - 850*	0.590	0.000
988.		*Computed probability [Normal] Trench Per Ft - 2550*	0.780	0.000
989.		*Computed probability [Normal] Trench Per Ft - 5000*	0.730	0.000
990.		*Computed probability [Normal] Trench Per Ft -10000*	0.840	0.000

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
991	B199	Backhoe Trench Fraction - 0	0.10	0.00
992	B199	Backhoe Trench Fraction - 5	0.10	0.00
993	B199	Backhoe Trench Fraction - 100	0.10	0.00
994	B199	Backhoe Trench Fraction - 200	0.10	0.00
995	B199	Backhoe Trench Fraction - 650	0.10	0.00
996	B199	Backhoe Trench Fraction - 850	0.10	0.00
997	B199	Backhoe Trench Fraction - 2550	0.10	0.00
998	B199	Backhoe Trench Fraction - 5000	0.10	0.00
999	B199	Backhoe Trench Fraction -10000	0.25	0.00
1000	B199	Backhoe Trench Per Ft - 0	$ 3.00	$ 0.00
1001	B199	Backhoe Trench Per Ft - 5	$ 3.00	$ 0.00
1002	B199	Backhoe Trench Per Ft - 100	$ 3.00	$ 0.00
1003	B199	Backhoe Trench Per Ft - 200	$ 3.00	$ 0.00
1004	B199	Backhoe Trench Per Ft - 650	$ 3.00	$ 0.00
1005	B199	Backhoe Trench Per Ft - 850	$ 3.00	$ 0.00
1006	B199	Backhoe Trench Per Ft - 2550	$ 3.00	$ 0.00
1007	B199	Backhoe Trench Per Ft - 5000	$ 20.00	$ 0.00
1008	B199	Backhoe Trench Per Ft -10000	$ 30.00	$ 0.00
1009	B199	Hand Trench Fraction - 0	0.00	1.00
1010	B199	Hand Trench Fraction - 5	0.00	1.00
1011	B199	Hand Trench Fraction - 100	0.00	1.00
1012	B199	Hand Trench Fraction - 200	0.01	1.00
1013	B199	Hand Trench Fraction - 650	0.02	1.00
1014	B199	Hand Trench Fraction - 850	0.04	1.00
1015	B199	Hand Trench Fraction - 2550	0.08	1.00
1016	B199	Hand Trench Fraction - 5000	0.08	1.00
1017	B199	Hand Trench Fraction -10000	0.10	1.00
1018	B199	Hand Trench Per Ft - 0	$ 5.00	$ 3.09
1019	B199	Hand Trench Per Ft - 5	$ 5.00	$ 3.09
1020	B199	Hand Trench Per Ft - 100	$ 5.00	$ 3.09
1021	B199	Hand Trench Per Ft - 200	$ 5.00	$ 3.09
1022	B199	Hand Trench Per Ft - 650	$ 5.00	$ 3.09
1023	B199	Hand Trench Per Ft - 850	$ 5.00	$ 3.09
1024	B199	Hand Trench Per Ft - 2550	$ 5.00	$ 3.09
1025	B199	Hand Trench Per Ft - 5000	$ 10.00	$ 3.09
1026	B199	Hand Trench Per Ft -10000	$ 18.00	$ 3.09
1027	B199	Bore Cable Fraction - 0	0.00	0.00
1028	B199	Bore Cable Fraction - 5	0.00	0.00
1029	B199	Bore Cable Fraction - 100	0.00	0.00
1030	B199	Bore Cable Fraction - 200	0.00	0.00
1031	B199	Bore Cable Fraction - 650	0.00	0.00
1032	B199	Bore Cable Fraction - 850	0.03	0.00
1033	B199	Bore Cable Fraction - 2550	0.04	0.00
1034	B199	Bore Cable Fraction - 5000	0.05	0.00
1035	B199	Bore Cable Fraction -10000	0.05	0.00
1036	B199	Bore Cable Per Ft - 0	$ 11.00	$ 0.00
1037	B199	Bore Cable Per Ft - 5	$ 11.00	$ 0.00
1038	B199	Bore Cable Per Ft - 100	$ 11.00	$ 0.00
1039	B199	Bore Cable Per Ft - 200	$ 11.00	$ 0.00
1040	B199	Bore Cable Per Ft - 650	$ 11.00	$ 0.00
1041	B199	Bore Cable Per Ft - 850	$ 11.00	$ 0.00
1042	B199	Bore Cable Per Ft - 2550	$ 11.00	$ 0.00
1043	B199	Bore Cable Per Ft - 5000	$ 11.00	$ 0.00
1044	B199	Bore Cable Per Ft -10000	$ 18.00	$ 0.00

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
1045.	B200	Push Pipe/Pull Cable Fraction - 0	0.02	0.00
1046.	B200	Push Pipe/Pull Cable Fraction - 5	0.02	0.00
1047.	B200	Push Pipe/Pull Cable Fraction - 100	0.02	0.00
1048.	B200	Push Pipe/Pull Cable Fraction - 200	0.02	0.00
1049.	B200	Push Pipe/Pull Cable Fraction - 650	0.02	0.00
1050.	B200	Push Pipe/Pull Cable Fraction - 850	0.04	0.00
1051.	B200	Push Pipe/Pull Cable Fraction - 2550	0.06	0.00
1052.	B200	Push Pipe/Pull Cable Fraction - 5000	0.06	0.00
1053.	B200	Push Pipe/Pull Cable Fraction -10000	0.06	0.00
1054.	B200	Push Pipe/Pull Cable Per Ft - 0	$ 6.00	$ 0.00
1055.	B200	Push Pipe/Pull Cable Per Ft - 5	$ 6.00	$ 0.00
1056.	B200	Push Pipe/Pull Cable Per Ft - 100	$ 6.00	$ 0.00
1057.	B200	Push Pipe/Pull Cable Per Ft - 200	$ 6.00	$ 0.00
1058.	B200	Push Pipe/Pull Cable Per Ft - 650	$ 6.00	$ 0.00
1059.	B200	Push Pipe/Pull Cable Per Ft - 850	$ 6.00	$ 0.00
1060.	B200	Push Pipe/Pull Cable Per Ft - 2550	$ 6.00	$ 0.00
1061.	B200	Push Pipe/Pull Cable Per Ft - 5000	$ 6.00	$ 0.00
1062.	B200	Push Pipe/Pull Cable Per Ft -10000	$ 24.00	$ 0.00
1063.	B200	Cut/Restore Asphalt Fraction - 0	0.03	0.00
1064.	B200	Cut/Restore Asphalt Fraction - 5	0.03	0.00
1065.	B200	Cut/Restore Asphalt Fraction - 100	0.03	0.00
1066.	B200	Cut/Restore Asphalt Fraction - 200	0.03	0.00
1067.	B200	Cut/Restore Asphalt Fraction - 650	0.03	0.00
1068.	B200	Cut/Restore Asphalt Fraction - 850	0.08	0.00
1069.	B200	Cut/Restore Asphalt Fraction - 2550	0.08	0.00
1070.	B200	Cut/Restore Asphalt Fraction - 5000	0.16	0.00
1071.	B200	Cut/Restore Asphalt Fraction -10000	0.80	0.00
1072.	B200	Cut/Restore Asphalt Per Ft - 0	$ 6.00	$ 0.00
1073.	B200	Cut/Restore Asphalt Per Ft - 5	$ 6.00	$ 0.00
1074.	B200	Cut/Restore Asphalt Per Ft - 100	$ 6.00	$ 0.00
1075.	B200	Cut/Restore Asphalt Per Ft - 200	$ 6.00	$ 0.00
1076.	B200	Cut/Restore Asphalt Per Ft - 650	$ 6.00	$ 0.00
1077.	B200	Cut/Restore Asphalt Per Ft - 850	$ 6.00	$ 0.00
1078.	B200	Cut/Restore Asphalt Per Ft - 2550	$ 6.00	$ 0.00
1079.	B200	Cut/Restore Asphalt Per Ft - 5000	$ 18.00	$ 0.00
1080.	B200	Cut/Restore Asphalt Per Ft -10000	$ 30.00	$ 0.00
1081.	B200	Cut/Restore Concrete Fraction - 0	0.01	0.00
1082.	B200	Cut/Restore Concrete Fraction - 5	0.01	0.00
1083.	B200	Cut/Restore Concrete Fraction - 100	0.01	0.00
1084.	B200	Cut/Restore Concrete Fraction - 200	0.01	0.00
1085.	B200	Cut/Restore Concrete Fraction - 650	0.01	0.00
1086.	B200	Cut/Restore Concrete Fraction - 850	0.03	0.00
1087.	B200	Cut/Restore Concrete Fraction - 2550	0.06	0.00
1088.	B200	Cut/Restore Concrete Fraction - 5000	0.08	0.00
1089.	B200	Cut/Restore Concrete Fraction -10000	0.20	0.00
1090.	B200	Cut/Restore Concrete Per Ft - 0	$ 9.00	$ 0.00
1091.	B200	Cut/Restore Concrete Per Ft - 5	$ 9.00	$ 0.00
1092.	B200	Cut/Restore Concrete Per Ft - 100	$ 9.00	$ 0.00
1093.	B200	Cut/Restore Concrete Per Ft - 200	$ 9.00	$ 0.00
1094.	B200	Cut/Restore Concrete Per Ft - 650	$ 9.00	$ 0.00
1095.	B200	Cut/Restore Concrete Per Ft - 850	$ 9.00	$ 0.00
1096.	B200	Cut/Restore Concrete Per Ft - 2550	$ 9.00	$ 0.00
1097.	B200	Cut/Restore Concrete Per Ft - 5000	$ 21.00	$ 0.00
1098.	B200	Cut/Restore Concrete Per Ft -10000	$ 36.00	$ 0.00

	HM 5.0A		HM 5.0A Default Scenario Value	Florida HM 5.0A Recommended Value
1099.	B200	Cut/Restore Sod Fraction - 0	0.02	0.00
1100.	B200	Cut/Restore Sod Fraction - 5	0.02	0.00
1101.	B200	Cut/Restore Sod Fraction - 100	0.02	0.00
1102.	B200	Cut/Restore Sod Fraction - 200	0.02	0.00
1103.	B200	Cut/Restore Sod Fraction - 650	0.02	0.00
1104.	B200	Cut/Restore Sod Fraction - 850	0.38	0.00
1105.	B200	Cut/Restore Sod Fraction - 2550	0.38	0.00
1106.	B200	Cut/Restore Sod Fraction - 5000	0.11	0.00
1107.	B200	Cut/Restore Sod Fraction -10000	0.08	0.00
1108.	B200	Cut/Restore Sod Per Ft - 0	$1.00	$0.00
1109.	B200	Cut/Restore Sod Per Ft - 5	$1.00	$0.00
1110.	B200	Cut/Restore Sod Per Ft - 100	$1.00	$0.00
1111.	B200	Cut/Restore Sod Per Ft - 200	$1.00	$0.00
1112.	B200	Cut/Restore Sod Per Ft - 650	$1.00	$0.00
1113.	B200	Cut/Restore Sod Per Ft - 850	$1.00	$0.00
1114.	B200	Cut/Restore Sod Per Ft - 2550	$1.00	$0.00
1115.	B200	Cut/Restore Sod Per Ft - 5000	$1.00	$0.00
1116.	B200	Cut/Restore Sod Per Ft -10000	$1.00	$0.00
1117.	B200	Simple Backfill - 0	$0.15	$0.00
1118.	B200	Simple Backfill - 5	$0.15	$0.00
1119.	B200	Simple Backfill - 100	$0.15	$0.00
1120.	B200	Simple Backfill - 200	$0.15	$0.00
1121.	B200	Simple Backfill - 650	$0.15	$0.00
1122.	B200	Simple Backfill - 850	$0.15	$0.00
1123.	B200	Simple Backfill - 2550	$0.15	$0.00
1124.	B200	Simple Backfill - 5000	$0.15	$0.00
1125.	B200	Simple Backfill -10000	$0.15	$0.00
1126.		*Computed probability Simple Backfill - 0*	*0.320*	*1.000*
1127.		*Computed probability Simple Backfill - 5*	*0.320*	*1.000*
1128.		*Computed probability Simple Backfill - 100*	*0.320*	*1.000*
1129.		*Computed probability Simple Backfill - 200*	*0.420*	*1.000*
1130.		*Computed probability Simple Backfill - 650*	*0.570*	*1.000*
1131.		*Computed probability Simple Backfill - 850*	*0.300*	*1.000*
1132.		*Computed probability Simple Backfill - 2550*	*0.430*	*1.000*
1133.		*Computed probability Simple Backfill - 5000*	*0.520*	*1.000*
1134.		*Computed probability Simple Backfill -10000*	*0.040*	*1.000*
1135.	B200	Restoration Not Required - 0	0.62	0.00
1136.	B200	Restoration Not Required - 5	0.62	0.00
1137.	B200	Restoration Not Required - 100	0.62	0.00
1138.	B200	Restoration Not Required - 200	0.62	0.00
1139.	B200	Restoration Not Required - 650	0.37	0.00
1140.	B200	Restoration Not Required - 850	0.27	0.00
1141.	B200	Restoration Not Required - 2550	0.09	0.00
1142.	B200	Restoration Not Required - 5000	0.11	0.00
1143.	B200	Restoration Not Required -10000	0.11	0.00

Exhibit 2 (GCG-3)

Sensitive [illegible] 1, NED and Drop

EXHIBIT __ (GCG-3)
SENSITIVE INPUT GROUP I: NID AND DROP

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-1 NID Investment per Line
- B-2 Drop Distance
- B-3 Drop Placement Costs, Aerial and Buried
- B-4 Buried Drop Sharing Fraction
- B-8 Drop Cable Investment per Foot and Pairs per Drop

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-1 - NID Investment

    - Residential NID case, no protector.
    - Residential NID basic labor for travel and installation based upon the BST regional labor rates and times for installation.
    - Residential protection block.
    - Business NID case, no protector.
    - Business NID labor for travel and installation based on BST regional labor rates and times for installation.
    - Business protection block.

2. Input B-2 - Drop Distance

- The average distance for an aerial drop and for a buried drop.

3. Input B-3 - Drop Placement, Aerial and Buried

- For aerial drop placement, it is the cost for labor associated with travel time and installation and the amount of time required for travel and installation.

- For buried drop placement, it is the cost for labor associated with travel time and installation and the amount of time required for travel and installation, plus the amount for contract labor associated with buried drop placement.

4. Input B-4 - Buried Drop Sharing Fraction

- The fraction of buried drop cost that is assigned to the telephone company. The other portion of the cost is borne by other utilities.

5. Input B-8 - Drop Cable Investment

- The investment for material cost per foot for both aerial and buried cable. When combined with average distance for an aerial or buried drop, this produces the drop cable investment per foot.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. A work time of 25 minutes was used for installation, based upon the opinion of a team of "outside plant experts." No backup of the opinion was provided.

2. Travel time was not separately identified, if included at all.

3. No source for the loaded labor rate of $35 per hour was provided. This labor rate is adjusted in HAI R5.0a by a regional labor factor adjustment of 0.68, resulting in a net labor cost of $28.60 per hour[11].

4. The drop distances used in HAI R5.0a are based on various assumptions and hypothetical situations without any backup. The model uniformly assumes that all lot sizes are twice as deep as they are wide and hypothesizes the length of the various setbacks required. No validation of any of these assumptions for BST-Florida was provided.

5. The installation time for aerial drop placement is based upon the "opinion of expert outside plant engineers and estimators." No backup was provided.

6. The estimate for buried drop placement is based upon price quotes from contractors for a set of specifications that has not been provided.

7. The stated basis to support the buried drop sharing fraction in HAI R5.0a is virtually identical to the support provided for the same input in HM R3.1. With this almost identical support, the value for the input has been changed from 1.0 in HM R3.1 to 0.5 in HAI R5.0a. This change in input is said to be based upon "judgement of outside plant experts" that buried drops will normally be used with buried distribution cable. The support goes on to say that although many cases would result in three way sharing of such structure, a conservative approach was used at 50% sharing.

   Contrast this with the support provided in HM R3.1 which stated, "even though opportunities may arise in new construction, and could justify a smaller allocation, the model presently uses no sharing of buried drop wire trench as a default value." The change in input value between HM R3.1 and HAI R5.0a will have a considerable impact in reducing overall cost. No workpapers or supporting documents were provided to support the basis of the changed assumption.

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[11]

$ 35.00	Hourly labor rate
57.1%	Portion affected by regional labor adjustment

$ 20.00	Hourly rate affected by regional labor adjustmen
- 32%	1 - Wood's regional labor adjustment

$ (6.40)	Hourly reduction due to regional labor adjustment factor
35.00	Default hourly labor rate

$ 28.60	Loaded hourly labor rate as adjusted by Mr. Wood

8. For buried drop cable investmen' per foot the default value in HAI R5.0a is 14 cents per foot. However, MCI and AT&T appear to have gathered price quotes ranging from 14 cents to 20 cents per foot.

9. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

10. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a, and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group I:

1. The Florida-specific price for the residential and business NID case (B-1) is $7.65. This is less than the HAI R5.0a default value.

2. The relevant BST-regional loaded labor rate for installation is $43.45 for 1998-2000. Compare Part (2), note 3, herein. Therefore, no regional labor adjustment is required because the GCG HAI R5.0a Application uses the labor rate specific to Florida. The 1997-1999 rate is the appropriate forward-looking rate to be used in this analysis.

3. The Florida-specific time associated with the installation of the residential and business NID is 35 minutes. Compare Part (2), notes 1 and 5, herein.

4. The Florida-specific time associated with travel is 22 minutes and is divided equally between the installation of the drop and the installation of the NID. Compare Part (2), note 2, herein.

5. The Florida-specific price for the residential and business protection block (B-1) is $8.10.

6. The average distance of drops in Floridr (B-2) is estimated to be 250 feet for aerial drops and 200 feet for buried drops. These are based upon judgement of BST-Florida personnel responsible for the installation of drops. In HAI R5.0a, the default average distance for the drop based upon a line weighted density is approximately 70 feet. See Part (2), note 4, herein. The difference between the HAI R5.0a default value and the Florida-specific values for drop distance are significant and must be kept in mind when evaluating the input value for the buried drop placement per foot (B-3). Since the values for buried drop placement (B3) are derived from BST-specific values per drop and then divided by the estimated value of the buried drop distance to derive the input values per foot, the total cost of placement for buried drops is not affected by the average length of the drop.

7. There is no indication that the arbitrary change in assumption made between HM R3.1 and HAI R5.0a for buried drop sharing fraction (B-4) is appropriate or supportable. Even using a scorched node approach, there is no evidence that half of all buried drops would be shared with some other utility. It is unclear whether HAI R5.0a assumes that either the electric utility, the cable utility, or some other undefined utility would also be in a scorched node approach and abandon all of their existing structures. This input appears to have been changed to artificially lower the overall loop cost determined by the model as compared to the assumption used in HM R3.1 which was deemed reasonable as recently as the middle of June 1997. We recommend that the appropriate forward looking input be 1.0 which is the same input included in HM R3.1.

8. The Florida-specific material cost per foot for drop cable (B-8) is $0.075 for aerial and $0.127 for buried.

Input B-1: NID Materials and Installation

	Default	BST-FL Specific
Residential NID case, no protector	$ 10.00	$ 7.65
Residential NID basic labor	15.00	33.31
Installed NID case	*$ 25.00*	*$ 40.96*
Protection block, per line	$ 4.00	$ 8.10
Business NID case, no protector	$ 25.00	$ 7.65
Business NID basic labor	15.00	33.31
Installed NID case	*$ 40.00*	*$ 40.96*
Protection block, per line	$ 4.00	$ 8.10

Input B-2: Drop Distance by Density

	Default	BST-FL Specific	
Density Zone	Drop Distance, Feet	Aerial	Buried
0-5	150		
100-200	150	Not available	
200-650	100	by density zone	
650-850	100		
850-2,550	50	Average value =	
2,550-5,000	50	250	200
5,000-10,000	50		
10,000+	50		

Input B-3: Drop Placement, Aerial & Buried

	Default		BST-FL Specific	
Density Zone	Aerial, Total	Buried, per Foot	Aerial	Buried
0-5	$ 23.33	$ 0.60		
5-100	23.33	0.60	Not available	
100-200	17.50	0.60	by density zone	
200-650	17.50	0.60		
650-850	11.67	0.60		
850-2,550	11.67	0.60	Average value =	
2,550-5,000	11.67	0.75	$ 47.80	$ 0.52
5,000-10,000	11.67	1.50		
10,000+	11.67	5.00		

[illegible] (GCG-4)
Sensitive Input Group II: Terminal and Splice

EXHIBIT __ (GCG-4)
SENSITIVE INPUT GROUP II: TERMINAL AND SPLICE

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-7 Terminal and Splice

A description of this user-adjustable input can be found in the HAI Model Release 5.0a Inputs Portfolio.

We have determined that BST-specific data for terminal and splice investment per line in Florida cannot be extracted from BST's accounting system. BST accounts for these costs in an installation loading. This loading includes BST labor, contract labor and exempt materials billed to an account. The terminal identified in HAI R5.0a for this input are four pair terminals. In the BST accounting system, any terminal (or crossbox) that is 100 pair or less is considered exempt material that is not capitalized. The portion of this input that relates to the splice investment per line occurs through labor and does not include any special material. This labor is also accounted for in the loading and is billed to an account with many other labor activities.
It is possible to account for the impact of the terminal and splice investment per line when determining the appropriate cable cost together with all the appropriate loadings, including the loading for terminal and splice investment per line. The impact of this input will therefore be contained in the various BST-Florida-specific costs that will be taken into consideration in Exhibit ___ (GCG-5). It is therefore appropriate to adjust the default values for input B-7 to zero and include in the impact as a loading for the appropriate default input in Exhibit ____ (GCG-5).

Input B-7: Terminal & Splice Investment per Line

Default		BST-FL Specific	
Aerial	Buried	Aerial	Buried
$ 32.00	$ 42.50	$ 0.00	$ 0.00

Exhibit __ (GCG-9)
Sensitive Input Group III: Distribution Investment

EXHIBIT __ (GCG-5)
SENSITIVE INPUT GROUP III: DISTRIBUTION INVESTMENT

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-10 Distribution Cable Cost, $ per Foot
- B-11 Riser Cable Cost, $ per Foot
- B-13 Buried Distribution Cable Sheath Multiplier
- B-14 Distribution Conduit Cost, $ per Foot
- B-15 Spare Tubes per Route (Distribution)
- B-16 Regional Labor Adjustment
- B-38 Serving Area Interface (SAI) Investment
- B-197 Underground Excavation, Cost per Feet
- B-198 Underground Restoration Cost per Foot
- B-199 Buried Excavation, Cost per Foot
- B-200 Buried Installation and Restoration, Cost per Foot

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. **Input B-10 - Distribution Cable Cost**

   - The cost per foot of *aerial* and *underground* copper distribution cable.[1]

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[1] Buried cable increases the aerial cable cost per foot, in all cross-sections, by input B-13, cable sheath multiplier.

- Cost of installation including costs for:
  - BST labor and engineering
  - vendor engineering and installation
  - exempt materials

2. Input B-11 - Riser cable cost

   - This variable is used in insignificant amounts in the HAI Model as applied to BST-Florida using default inputs, because BST-Florida has very few clusters that are *both* smaller than 0.03 square miles with a density greater than 30,000 lines per sq. mile (*i.e.* the conditions under which HAI R5.0a would install riser cable). BST-Florida-specific data shows that riser cable is installed in larger quantities and the installed cost of riser cable is significantly higher than installed aerial cable. In HAI R5.0a the cost of riser cable (B-11) has been increased approximately 25% over the cost of distribution cable (B-10). In the prior release, HM 4.0, the cost was assumed to be identical.

3. Input B-13 - Buried Distribution Cable Sheath Multiplier

   - The additional cost of buried distribution cable compared to the cost of aerial/underground distribution cable.

4. Input B-14 - Distribution Conduit Cost

   - The material cost related to distribution conduit per foot, based on Florida-specific costs. BST-Florida accounting records do not segregate distribution conduit by itself, but aggregate distribution and feeder conduit costs and include manholes and related items. Since use of the BST-Florida costs will, therefore, combine distribution conduit, feeder conduit and manhole costs, the use of BellSouth-Florida costs as available are inappropriate for this input which is for distribution conduit costs only. Because manholes are rarely placed in the distribution network, we recommend the use of the default input for B-14, distribution conduit cost.

5. Input B-16 - Regional Labor Adjustment

   - Since we have used the BST-specific labor rates directly in the GCG HAI R5.0a Application, no regional labor adjustment factor is necessary or appropriate.

6. Input B-38 - SAI Investment

- The BST-Florida-specific costs are recommended for outdoor SAI investment. HAI R5.0a logic deploys only a small amount of indoor SAI investment in Florida. Therefore, we have not adjusted the default values for indoor SAIs.

7. Input B-197 through Input B-200 - Excavation and Restoration

   - Inputs B-197 through B-200 were newly developed for HM R4.0 to account for excavation and restoration in extreme detail. HAI R5.0a reflects the same default input values as HM R4.0 for these inputs, which account for underground excavation, underground restoration, buried excavation, and buried installation and restoration. As has been mentioned previously in the discussion of B-14, distribution conduit cost, BST-Florida accounting records to do not segregate distribution conduit by itself, but aggregate distribution and feeder placement costs in a composite figure.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. The cost per foot of copper distribution cable as a function of cable size (B-10) is based on 24 gauge copper and contains assumptions that are alleged to be commonly made by outside plant planning engineers that the cost of cable material can be represented as an A+BX straight line graph for cable sizes below 400 pairs. It is alleged that while, in the past, the cost of copper cable was typically ($.50 + $.01 per pair) per foot, current costs are typically ($.30 + $.007 per pair) per foot. No backup or data for these estimates have been provided.

   Based upon the "opinion" of expert outside plant engineers, material costs associated with copper distribution cable represents approximately 40% of the total installed costs. The experts further opine that the average cost of engineering for installed copper cable is 15% of the installed cost. The remaining 45% of the cost is assumed to represent direct labor for placing and splicing cable, exclusive of the cost of splicing block terminals into the cable. No backup or workpapers were provided to support these assumptions.

2. The additional cost of the filling compound used in buried cable to protect the cable from moisture (B-13), expressed as a multiplier (1.04) of the cost of aerial installed non-armored cable. No backup or workpapers was provided for this assertion.

3. The material cost per foot of 4 inch PVC pipe (B-14) is stated to be $0.60. The basis for this estimate is claimed to be contact made with several material suppliers. No detail was provided as to the nature of the specifications, location in the country, other particulars associated with the quote or other information for material prices received from material suppliers.

4. The labor rates assumed in HAI R5.0a are as follows:

   - A fully loaded direct labor cost of $55 per hour for heavy construction of outside plant cable, for a placing or splicing technician who receives pay of $20 per hour.

   - HAI R5.0a assumes that the fully loaded direct labor component of $55 per hour accounts for 45% of the investment for copper feeder and copper distribution cable. Based upon this and other further assumptions, a labor adjustment factor is applied to 16.4% of the installed cost of copper cable.

   - The labor adjustment index (B-16) for the State of Florida of 0.68 is presented as the appropriate labor adjustment factor for direct labor costs related to some national average. No backup or workpapers for this determination has been presented.

5. The investment required for outdoor Serving Area Interfaces (B-38) are indicated to be more expensive than indoor Serving Area Interfaces, because outdoor SAIs require steel cabinets that protect the cross-connection termination for the direct effects of water. The basis of the default values is the opinion of a "group of engineering experts." No backup or workpapers were provided.

6. The inputs required for excavation and restoration, inputs B-197 through B-200 were developed based on estimates made by "a team of experienced outside plant experts." Additional information was obtained from printed resources identified as the 1997 National Construction Estimator, 45th edition. Still other information was provided by several contractors who allegedly routinely perform excavation, conduit and manhole placement work for telephone companies. The base information, backup, and workpapers were not supplied. The HAI Inputs Portfolio does contain what is alleged to be a summary of the information received. There is a significant variation in the information received. For example, normal trenching in dirt with backfill to a 36 inch depth in a suburban environment has estimates ranging all the way from $2.00 per foot to $15.00 per foot. This represents a variation of over 700% (see page 127, HAI R5.0a, Inputs Portfolio, January 5, 1998). Similarly, trenching in pavement with restoration metro areas to a depth of 36 inches apparently contains estimates ranging from below $10.00 per foot to in excess of $60.00 per foot (see page 127, HAI R5.0a, Inputs Portfolio).

7. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of the territory of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

8. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group III:

1. The BellSouth-Florida-specific costs per foot of copper distribution cable (B-10) including the costs of engineering, installation and delivery, as well as the material itself was determined for each cable size that is required by HAI R5.0a except for the two smallest sizes. The values of these two smallest sizes were interpolated from BellSouth-Florida-specific data.

2. As previously stated, it appears that HAI R5.0a as applied to Florida in this proceeding produces the result that very little riser cable has been used by the model. In reality, there is riser cable that is appropriately used in the system. For purposes of this proceeding, riser cable (B-11) has been set to default.

3. The Florida-specific value for the buried copper cable sheath multiplier (B-13) was determined by a direct comparison of the aerial material costs to the buried material costs for each size of cable contained in HAI R5.0a. Over all the various cable sizes, the multiplier is 1.011.

4. As previously discussed, conduit costs (B-14) should be set to the default level of $0.60.

5. No change to the regional labor adjustment factor (B-16) is necessary since BST-specific values for labor have been used wherever required.

6. The BST-Florida values for the investment required for outdoor SAIs (B-38) were determined from specific field reporting quotes associated with this investment.

7. As previously mentioned in the discussion of input B-14, Distribution Conduit Cost, BST-Florida accounting records do not segregate distribution and a feeder placement cost, but rather aggregate them. These aggregated costs include related items such as manhole cost and related exempt materials.

   Information available on a BST-Florida-specific basis has been developed and indicates that, on a composite basis, underground excavation and restoration cost per foot (B-197 and B-198) is $4.79. Similarly, the BST-Florida composite value of buried excavation and restoration per foot (B-199 and B-200) is $3.09.

Input B-10: Copper Distribution Cable, $/Foot

Cable Size	Default	BST-FL Specific
6	$ 0.63	$ 1.14
12	0.76	1.28
25	1.19	1.60
50	1.63	2.22
100	2.50	3.39
200	4.25	5.86
400	6.00	10.43
600	7.75	15.24
900	10.00	21.29
1200	12.00	27.64
1800	16.00	40.90
2400	20.00	52.23

Input B-13: Buried Copper Cable Sheath Multiplier

Default	BST-FL Specific
1.040	1.011

Input B-14: Conduit Material Investment per Foot

Default	BST-FL Specific
$ 0.60	$ 0.60[13]

Input B-16: Regional Labor Adjustment Factor

Default	BST-FL Specific
0.68[14]	1.00

Input B-38: SAI Investment - Outdoor

Cable Size	Default	BST-FL Specific
7200	$ 10,000	$ 30,500
5400	8,200	25,400
3600	6,000	20,300
2400	4,300	15,300
1800	3,400	13,600
1200	2,400	10,200
900	1,900	8,000
600	1,400	6,200
400	1,000	4,600
200	600	3,000
100	350	2,200

13 Use default. See text.

14 The HAI R5.0a default value for the Regional Labor Adjustment Factor is 1.00. Mr. Wood's recommended value for Florida is 0.68.

Inputs B-197 through B-200: Excavation and Restoration

We recommend that the end result of implementing inputs B-197 through B-200 be the BST-FL specific cost derived for those activities combined. To implement our recommendation the specific values displayed below are used to derive the end result and are not the values that correspond to the individual input displayed. All other input values for inputs B-197 through B-200 are set to zero.

Input B-197: Underground Excavation

	B-197 Backhoe Trench Fraction		B-197 Backhoe Trench, $/Foot	
Density Zone	Default	BST-FL Specific	Default	BST-FL Specific
0-5	0.45	1.00	$ 3.00	
5-100	0.45	1.00	3.00	
100-200	0.45	1.00	3.00	Not Available by
200-650	0.45	1.00	3.00	Density Zone
650-850	0.45	1.00	3.00	
850-2,550	0.45	1.00	3.00	Average = $ 4.79
2,550-5,000	0.55	1.00	3.00	
5,000-10,000	0.67	1.00	20.00	
10,000+	0.72	1.00	30.00	

Input B-199: Buried Excavation

	B-199 Hand Trench Fraction		B-199 Hand Trench, $/Foot	
Density Zone	Default	BST-FL Specific	Default	BST-FL Specific
0-5	0.00	1.00	$ 5.00	
5-100	0.00	1.00	5.00	
100-200	0.00	1.00	5.00	Not Available by
200-650	0.01	1.00	5.00	Density Zone
650-850	0.02	1.00	5.00	
850-2,550	0.04	1.00	5.00	Average = $ 3.09
2,550-5,000	0.05	1.00	5.00	
5,000-10,000	0.06	1.00	10.00	
10,000+	0.10	1.00	18.00	

(GCC-G)

Sensitive Input [illegible] Copper Feeder Investment

EXHIBIT __ (GCG-6)
SENSITIVE INPUT GROUP IV: COPPER FEEDER INVESTMENT

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-13 Buried Feeder Cable Sheath Multiplier
- B-56 Copper Feeder Cable, $\Foot

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

The inputs in this section are almost entirely identical to the inputs B-10 and B-13 used in the previous section Exhibit _______, (GCG-5), Distribution Investment.

Input B-13 is the same for Feeder as for Distribution, and input B-56 is virtually identical to input B-10. While B-10 contains values for the cost per foot of copper distribution cable between cable sizes 6 and 2400, input B-56 contains the cost per foot for cable sizes 100 through 4200. The values required by input B-56 are contained in a table in this section.

HAI R5.0a has an additional UAI for Copper Feeder Investment per pair-foot of $0.0075. Based on the BST-FL-specific values for copper feeder cable, the equivalent BST-FL-specific value is $0.0220.

Input B-13: Buried Copper Cable Sheath Multiplier

Default	BST-FL Specific
1.040	1.011

Input B-56: Copper Feeder Cable, $/Foot

Cable Size	Default	BST-FL Specific
100	$ 2.50	$ 3.39
200	4.25	5.86
400	6.00	10.43
600	7.75	15.24
900	10.00	21.29
1200	12.00	27.64
1800	16.00	40.90
2400	20.00	52.23
3000	23.00	65.28
3600	26.00	78.34
4200	29.00	91.40
Copper Investment per Pair-Foot	$ 0.0075	$ 0.0220

Exhibit___(GCG-7)

Sensitive Input [illegible] V. Fiber Feeder Investment

EXHIBIT __ (GCG-7)
SENSITIVE INPUT GROUP V: FIBER FEEDER INVESTMENT

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-53 Buried Fiber Sheath Addition, $ per Foot
- B-57 Fiber Feeder Cable, $ per Foot

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-53 - Buried Fiber Sheath Addition

    - Costs were developed for both material and installation for aerial fiber cable, buried fiber cable, and underground fiber cable.

2. Input B-57 - Fiber Feeder Cable

    - The cost per foot of aerial fiber feeder cable was developed for both material costs and installation costs, for the size fibers identified by HAI R5.0a.

    - Installation costs were developed based on actual factors expressing the relationship between material cost and total installed cost, including costs for:

        ** BST labor and engineering;
        ** Vendor engineering and installation;
        ** Exempt materials.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. The cost of dual sheathing for additional mechanical protection of buried fiber feeder cable (B-53) is based upon an estimate by a team of "experienced outside plant experts" who are alleged to have purchased millions of feet of fiber optic cable. No data or backup workpapers have been provided.

2. The cost per foot of fiber feeder cable (B-57) is based on an assumption allegedly commonly made by outside plant planning engineers. The assumption is that the cost of cable material can be represented as an A+BX straight line graph. It is alleged that as technology, manufacturing methods and competition have advanced, the price of cable has been reduced. It is contended that while, in the past, the cost of fiber cable was typically \$0.50 + \$0.10 per fiber, per foot, current costs are typically \$0.30 + \$0.05 per fiber, per foot.

   The cost of installation for aerial fiber cable is assumed to be \$2.00 per foot, consisting of \$0.50 per foot for engineering + \$1.50 per foot for direct labor. These figures are estimates that have been provided by a team of outside plant engineering and construction personnel. No backup or workpapers have been provided.

   HM 5.0a has an additional UAI for fiber feeder investment per strand-foot of \$0.1000.

3. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of the territory of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

4. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a, and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group V:

1. Since this cost for buried installation is comprehensive and the accounting system does not specifically identify the additional cost for buried fiber sheathing, no additional amount for the buried fiber sheathing addition per foot (B-53) is required.

2. The Florida-specific costs per foot of aerial fiber cable (B-57) including the costs of engineering, installation and delivery, as well as the material itself was determined for each cable size that is required by HAI R5.0a. The resulting costs per foot are significantly lower than the default values in HAI R5.0a.

   Based on the BST-Florida-specific values for fiber feeder cable, the BST-Florida-specific value for fiber investment per strand foot is $0.0610.

Input B-53: Buried Fiber Sheath Addition, $/Foot

Default	BST-FL Specific
$ 0.20	$ 0.00

Input B-57: Fiber Feeder Ca le, $/Foot

Cable Size	Default	BST-FL Specific
12	$ 2.90	$ 1.84
18	3.20	1.99
24	3.50	2.15
36	4.10	2.40
48	4.70	2.91
60	5.30	3.28
72	5.90	3.65
96	7.10	4.36
144	9.50	5.77
216	13.10	7.97
Fiber Investment per Strand-Foot	$ 0.1000	$ 0.0610

Exhibit___(GCG-8)

Sensitive Input Group Vs. Structure Placement Fractions

EXHIBIT __ (GCG-8)
SENSITIVE INPUT GROUP VI: STRUCTURE PLACEMENT FRACTIONS

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-5 Drop Structure Fractions
- B-17 Distribution Structure Fractions
- B-46 Copper Feeder Structure Fractions
- B-51 Fiber Feeder Structure Fractions
- B-121 Interoffice Structure Fractions

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-5 - Drop Structure Fractions

   - The structure fractions for aerial and buried drops.

2. Input B-17 - Distribution Structure Fractions

   - The fractions for aerial, buried and underground distribution cable.

3. Input B-46 - Copper Feeder Structure Fractions

   - The fractions for aerial, buried and underground copper feeder cable.

4. Input B-51 - Fiber Feeder Structure Fractions

   - The fractions for aerial, buried and underground fiber feeder cable.

5. Input B-121 - Interoffice Structure Fractions

   - The percentages for the division of interoffice structures between aerial, buried and underground.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. The percentages of drops that are aerial and buried (B-5) are based on the opinion and judgement of plant engineering experts. This judgement, in part, states that as developed areas become more dense, placements will more likely occur under pavement conditions. No data or workpapers were provided as backup.

2. The fractions of aerial, buried and underground cable for distribution structure (B-17) are supported only by general statements that relate to the three different kinds of structures. For aerial/block cable, HAI R5.0a quotes from a Bellcore manual which states, "The most common cable structure is still the pole line. Buried cable is now used wherever feasible, but pole lines remain an important structure in today's environment."

   For buried cable, HAI R5.0a states that it reflects an increasing trend towards use of buried cable in new subdivisions.

   For underground cable, HAI R5.0a states that underground cable, conduit and manholes are primarily used for feeder and interoffice transport cables, not for distribution cable.

   No backup or workpapers were provided to support any of the specific inputs recommended by HAI R5.0a.

3. For the fraction of aerial, buried and underground cable for copper feeder structure (B-46), HAI R5.0a refers back to the discussion for distribution cable structure fractions. No backup or workpapers were provided to support any of the specific inputs recommended by HAI R5.0a.

4. For the fractions of aerial, buried and underground cable for fiber feeder structure (B-51), HAI R5.0a refers back to the discussion for distribution cable structure fractions. No backup or workpapers were provided to support any of the specific inputs recommended by HAI R5.0a.

5. For interoffice structure percentages (B-121), HAI R5.0a asserts that the inputs recommended are an average figure accounting for the mix of density zones applicable to interoffice transmission facilities. It is not clear whether this mix is for a nationwide average, urban areas or different geographical regions of the country, or whether it is applicable to Florida. No backup or workpapers were provided to support any of the specific inputs recommended by HAI R5.0a.

6. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of the territory of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

7. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a, and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group VI:

1. The fractions for aerial and buried drop (B-5) related to drop structure based upon BST-Florida-specific information should be consistent with the value developed for the fractions of aerial, buried and underground cable for distribution cable structure (B-17).

2. The fractions of aerial, buried and underground cable for distribution cable structure (B-17), based on the BellSouth-Florida loop sample reconfigured to reflect forward-looking technology and a scorched node approach are as follows:

Distribution Cable	
Aerial	29.7%
Buried	67.1%
Underground	3.2%

HM 5.0a has added a new UAI for buried fraction available for shift. We are not recommending any change to the default values.

3. The fractions of aerial, buried and underground cable for copper feeder structure (B-46) based upon the BellSouth-Florida loop sample reconfigured to reflect forward-looking technology and a scorched node approach as follows:

Copper Feeder Structure	
Aerial	4.2%
Buried	24.0%
Underground	71.8%

4. The fractions for aerial, buried and underground cable for fiber feeder structure (B-51) based upon the BellSouth-Florida loop sample reconfigured to reflect forward-looking technology and a scorched node approach as follows:

Fiber Feeder Structure	
Aerial	8.1%
Buried	20.0%
Underground	71.9%

5. The percentages of aerial, buried and underground structures for fiber optic facilities based upon BST-Florida-specific data as follows:

1996 Sheath Miles of Fiber Optic Cable

	Year-End	1996 Additions
Aerial	10.0%	14%
Buried	40.0%	46%
Underground	50.0%	40%

Input B-5: Drop Structure Fractions

	Default		BST-FL Specific	
Density Zone	Aerial	Buried	Aerial	Buried
0-5	0.25	0.75		
5-100	0.25	0.75	Not available	
100-200	0.25	0.75	by density zone	
200-650	0.30	0.70		
650-850	0.30	0.70	Average value =	
850-2,550	0.30	0.70	0.297	0.703
2,550-5,000	0.30	0.70		
5,000-10,000	0.60	0.40		
10,000+	0.85	0.15		

Input B-17: Distribution Cable Structure Fractions

Default	Density Zone	Aerial	Buried	Underground
	0-5	0.25	0.75	0.00
	5-100	0.25	0.75	0.00
	100-200	0.25	0.75	0.00
	200-650	0.30	0.70	0.00
	650-850	0.30	0.70	0.00
	850-2,550	0.30	0.70	0.00
	2,550-5,000	0.30	0.65	0.05
	5,000-10,000	0.60	0.35	0.05
	10,000+	0.85	0.05	0.10
BST-FL Specific	Not available by density zone	0.297	0.671	0.032

Input B-46: Copper Feeder Structure Fractions

Default	Density Zone	Aerial	Buried	Underground
	0-5	0.50	0.45	0.05
	5-100	0.50	0.45	0.05
	100-200	0.50	0.45	0.05
	200-650	0.40	0.40	0.20
	650-850	0.30	0.30	0.40
	850-2,550	0.20	0.20	0.60
	2,550-5,000	0.15	0.10	0.75
	5,000-10,000	0.10	0.05	0.85
	10,000+	0.05	0.05	0.90
BST-FL Specific	Not available by density zone	0.042	0.240	0.718

Input B-51: Fiber Feeder Structure Fractions

Default	Density Zone	Aerial	Buried	Underground
	0-5	0.35	0.60	0.05
	5-100	0.35	0.60	0.05
	100-200	0.35	0.60	0.05
	200-650	0.30	0.60	0.10
	650-850	0.30	0.30	0.40
	850-2,550	0.20	0.20	0.60
	2,550-5,000	0.15	0.10	0.75
	5,000-10,000	0.10	0.05	0.85
	10,000+	0.05	0.05	0.90
BST-FL Specific	Not available by density zone	0.081	0.200	0.719

Input B-121: Interoffice Structure Percentages

	Aerial	Buried	Underground
Default	0.20	0.60	0.20
BST-FL Specific	0.14	0.46	0.40

Exhibit___(GCG-9)
Sensitive Input Group VIII: Structure Sharing Fractions

EXHIBIT __ (GCG-9)
SENSITIVE INPUT GROUP VII: STRUCTURE SHARING FRACTIONS

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-130 Fractions of Interoffice Structure Assigned to Telephone
- B-180 Distribution and Feeder Structure Percentages Assigned to Telephone

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-130 - Fractions of Interoffice Structure Assigned to Telephone

   - The sharing percentages for aerial, buried and underground structure for interoffice facilities.

2. Input B-180 - Distribution and Feeder Structure Percentages Assigned to Telephone

   - The sharing percentage for aerial, buried and underground distribution and feeder structures.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. The default value for sharing that is covered by input B-130 involves the structure which is not shared with feeder cable. Separately, in input B-129, it is assumed that 75% of the interoffice structure is shared with and situated on feeder facilities, leaving 25% to uniquely represent interoffice structure facilities. This 25% is further assumed to be shared by two other utilities resulting in 1/3 of the 25% or 8.3% of the original interoffice investment as being assigned to telephone. No backup was provided for these assertions.

2. The default values for sharing of distribution and feeder structures (B-180) that are assigned to the telephone company are stated to be based upon industry experience and expertise of HAI Consulting, outside plant engineers and other industry groups. Also, it is represented that conversations took place with representatives of local utility companies and the suggestion is that these conversations also formed part of the basis for selecting the default value. In addition, a white paper has been prepared to state the rationale and reasoning for the proposed percentages. While the white paper makes various assertions, no data or statistics of any kind have been provided.

3. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of the territory of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

4. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a, and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group VII:

1. The number of BST owned poles in Florida is 454,608. The number of poles leased by BST from the power companies is 685,303 for a total number of poles in use of 1,139,911. BST has directly invested in 39.88% of the poles used for telephone service. This value represents the BST-Florida-specific sharing percentage for aerial structures (B-130 and B-180).

2. BST does not identify joint trench as a unique item in any of the data that is collected in Florida. State contract coordinators dealing with ongoing construction were asked to make estimates regarding the ongoing activity in sharing buried and underground facilities. The state coordinators indicated that joint trench work does occur to some degree in new subdivision environments that are relatively free from obstructions. The state coordinators estimated that for Florida on the distribution side negligible amount of the structures were shared by other utilities. For the feeder routes, the sharing is also negligible.

3. BST-Florida-specific data with regard to the sharing of underground facilities on a current basis indicates that the percent of sharing is negligible.

Input B-130: Fraction of Interoffice Structure Assigned to Telephone

	Aerial	Buried	Underground
Default	0.33	0.33	0.33
BST-FL Specific	0.399	1.00	1.00

Input B-180: Structure Percent Assigned to Telephone Company

Default	Density Zone	Distribution			Feeder		
		Aerial	Buried	Underground	Aerial	Buried	Underground
	0-5	0.50	0.33	1.00	0.50	0.40	0.50
	5-100	0.33	0.33	0.50	0.33	0.40	0.50
	100-200	0.25	0.33	0.50	0.25	0.40	0.40
	200-650	0.25	0.33	0.50	0.25	0.40	0.33
	650-850	0.25	0.33	0.40	0.25	0.40	0.33
	850-2,550	0.25	0.33	0.33	0.25	0.40	0.33
	2,550-5,000	0.25	0.33	0.33	0.25	0.40	0.33
	5,000-10,000	0.25	0.33	0.33	0.25	0.40	0.33
	10,000+	0.25	0.33	0.33	0.25	0.40	0.33
BST-FL Specific							
Not Available by Density Zone		0.399	0.960	1.000	0.399	1.000	1.000

Exhibit___(GCG-10)
Sensitive Input Group VIII: Copper and Fiber Sizing Factors

EXHIBIT __ (GCG-10)
SENSITIVE INPUT GROUP VIII: COPPER AND FIBER SIZING FACTORS

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-18 Distribution Cable Sizing Factor
- B-54 Copper Feeder Sizing Factor
- B-55 Fiber Feeder Sizing Factor

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-18 - Distribution Cable Sizing Factor

2. Input B-54 - Copper Feeder Sizing Factor

3. Input B-55 - Fiber Feeder Sizing Factor

    - The BST-Florida-specific cable sizing factors are based on Florida-specific experience, and a review of engineering and planning criteria. These values represent the outputs of the model rather than direct inputs. The model lacks the flexibility to enable the user to directly input the desired cable fill that would be the result of the model. Therefore, we have recommended inputs fill factors that produce the BST-Florida-specific output fill factors.

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following **BellSouth-Florida-specific** values were obtained for the user-adjustable inputs that make up **Sensitive Input Group VIII**:

1. **Distribution cable fills (B-18)** obtained from the BST network department for Florida indicates that for the State of Florida 6,666,255 pairs out of a total of 16,149,650, or 41.3% are assigned and continue to reflect reasonable engineering guidelines looking forward.

2. The BST-specific data for copper feeder utilization for the State of Florida indicates that 65.7% of the copper pairs available are assigned and continue to reflect reasonable engineering guidelines looking forward.

3. The BST-specific fiber feeder data for Florida indicates that approximately 74.0% of DLC channels available are assigned and continue to reflect reasonable engineering guidelines looking forward.

Input B-18: Distribution Cable Sizing Factors

Density Zone	Default	BST-FL Specific
0-5	0.50	
5-100	0.55	Not available
100-200	0.55	by density zone
200-650	0.60	
650-850	0.65	Average value =
850-2,550	0.70	0.636
2,550-5,000	0.75	
5,000-10,000	0.75	(This results in an
10,000+	0.75	output fill of 0.413)

Input B-54: Copper Feeder Cable Sizing Factor

Density Zone	Default	BST-FL Specific
0-5	0.65	
5-100	0.75	Not available
100-200	0.80	by density zone
200-650	0.80	
650-850	0.80	Average value=
850-2,550	0.80	0.711
2,550-5,000	0.80	
5,000-10,000	0.80	(This results in an
10,000+	0.80	output fill of 0.657)

Input B-55: Fiber Feeder Sizing Factor

Density Zone	Default	BST-FL Specific
0-5	1.00	
5-100	1.00	Not available
100-200	1.00	by density zone
200-650	1.00	
650-850	1.00	Average value =
850-2,550	1.00	0.867
2,550-5,000	1.00	
5,000-10,000	1.00	(This results in an
10,000+	1.00	output fill of 0.740)

Exhibit___(GCG-11)
Sensitive Input Group IX: DLC

EXHIBIT __ (GCG-11)
SENSITIVE INPUT GROUP IX: DLC

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-58 DLC Site and Power per Remote Terminal
- B-59 Maximum Line Size per Remote Terminal
- B-60 Remote Terminal Fill Factor
- B-61 DLC Initial Common Equipment Investment
- B-62 DLC Channel Unit Investment
- B-63 DLC Lines per Channel Unit
- B-64 Low Density DLC to TR-303 DLC Cutover
- B-65 Fibers per Remote Terminal
- B-66 Optical Patch Panel
- B-68 Common Equipment Investment per Additional Line Increment
- B-69 Maximum Number of Additional Line Modules per Remote

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-58 - DLC Site and Power per Remote Terminal
2. Input B-59 - Maximum Line Size per Remote Terminal
3. Input B-60 - Remote Terminal Fill Factor
4. Input B-61 - DLC Initial Common Equipment Investment

5. Input B-62 - DLC Channel Unit Investment

6. Input B-63 - DLC Lines per Channel Unit

7. Input B-64 - Low Density DLC to TR-303 DLC Cutover

8. Input B-65 - Fibers per Remote Terminal

9. Input B-66 - Optical Patch Panel

10. Input B-68 - Common Equipment Investment per Additional Line Increment

11. Input B-69 - Maximum Number of Additional Line Modules per Remote

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. For the investment in site preparation and power for the remote terminal of a Digital Loop Carrier (DLC) system (B-58), the incremental per site cost was estimated by a team of experienced outside plant experts who are alleged to have contracted for hundreds of remote terminal site installations. The decrease in the input for low density DLC is because it is claimed that low density DLC requires less space. No backup workpapers or data was provided to support the default values.

2. The maximum number of lines supported by the initial line module of a remote terminal (B-59) is based on what is claimed to be Next Generation Digital Loop Carrier, compliant with Bellcore Generic Requirements GR-303. HAI R5.0a does not possess the flexibility to permit multiple types of integrated digital loop carrier systems with varying maximum line sizes per remote terminal.

   For low density digital loop carrier, HAI R5.0a utilizes an integrated configuration based upon a 120 line unit which is also GR-303 compliant.

3. The ratio of lines served by a DLC remote terminal to the number of line units equipped in the remote terminal (B-60) is based on the assumption and reasoning that line cards represent the most expensive part of integrated digital loop carrier provisioning, and that facility relief can be provided by dispatching a technician with line cards rather than engaging in a several month long copper cable feeder addition. It is, therefore, asserted that high fill rates should be the norm for an

efficient provider using forward-looking technology. No data or backup was provided to support this input.

4. The cost of an initial increment of integrated digital loop electronics (B-61) was based on an estimate made by a team of experienced outside plant experts who are alleged to have contracted for hundreds of remote terminal site installations. No backup, data or workpapers was provided to support this input.

   HAI R5.0a asserts that low density DLC requires less initial investment than high density DLC and are allegedly based upon vendor list prices. The default input for low density DLC is approximately 20% of the value of the input for high density DLC. No workpapers or backup was provided to support any of these inputs.

5. The investment in channel units required in the remote terminal of the DLC system (B-62) is based upon the cost of individual POTS channel unit cards that was estimated by a team of experienced outside plant experts who are alleged to have purchased thousands of these cards from suppliers. No backup or workpapers were provided to support any of these input values.

6. The number of lines that can be supported on a single DLC channel unit (B-63) is based upon what is alleged to be vendor documentation. No data or workpapers were provided to support these inputs.

7. The threshold number of lines that are assumed to be served by low density DLC, above which high density DLC will be used (B-64), is based on an analysis that reveals that two low density DLC units, at 240 lines each, are more cost effective than a single DLC unit with a capacity of 672 lines. Although no workpapers or data were provided to support this analysis, our independent analysis shows that the assumptions appear to be correct for the default inputs.

8. The number of fibers connected to each DLC remote terminal (B-65) is based upon including one fiber for upsteam transmission, one fiber for downstream transmission and two for redundancy. The number of fibers is allegedly based on vendor documentation. No backup or workpapers were provided to support this input value.

9. The investment required for each optical patch panel associated with a DLC remote terminal (B-66) was estimated by a team of experienced outside plant experts who are alleged to have contracted for hundreds of such installations. No backup or workpapers were provided to support any of these inputs.

10. The cost of the common equipment required to add a line module in a remote terminal (B-68) was based upon an estimate made by a team of experienced outside plant experts who are alleged to have contracted for hundreds of remote terminal

2. The maximum number of lines supported by the initial line module of a remote terminal (B-59) is determined as follows:

- For high density DLC, the current forward-looking application installations are of two types. The first is DISC*S which is equipped with 672 initial lines per remote terminal and the second is Litespan, which is equipped with 224 lines per remote terminal. Since HAI R5.0a does not provide the flexibility of using a combination of these remote terminals and their respective line increments, the data in this proceeding has been modeled using the DISC*S DLC system and the Litespan system separately. Since each system is about equally used, an average of the loop and switching costs determined for each system separately is appropriate.

- For low density DLC, BST employs the SLC 5 system. This system permits 192 initial lines per remote terminal.

3. The Remote Terminal Sizing factor in a DLC remote terminal (B-60) is the ratio of lines served by a DLC remote terminal to the number of lines equipped in the remote terminal. The actual BST-Florida value is 0.515 and is appropriate on a forward-looking basis. This value is the output fill that is desired. The relevant values for the input in the model that produces this result is 0.860 when running DISC*S and 0.732 when running Litespan.

4. The cost of all common equipment and housing in the remote terminal, as well as the fiber optics multiplexer required at the CO end for the initial line module of the DLC (DISC*S) system (B-61) is determined as follows:

- For high density DLC (DISC*S), the following material costs have been obtained:

  - The cost of the cabinet is $31,494.
  - The cost of the hard wire and the common equipment at the remote terminal is $16,755.
  - The cost of the multiplexer at the remote terminal and central office is $15,129.
  - The cost of the digital cross connect system at the central office is $5,622.

  The total cost of the high density DLC (DISC*S) initial common equipment investment, including installation, is $136,094.

- For high density DLC (Litespan), the following material costs have been obtained:

- ** The cost of the cabinet is $21,685.
- ** The cost of the hard wire and the common equipment at the remote terminal is $5,880.
- ** The cost of the multiplexer at the remote terminal and central office is $27,450.
- ** The cost of the digital cross connect system at the central office is $1,874.

The total cost of the high density DLC (Litespan) initial common equipment investment, including installation is $121,531.

- For low density (SLC 5) DLC, the following values apply:

  - ** The cost of the cabinet is $13,075.
  - ** The cost of the hard wire and common equipment at both the remote terminal and central office is $13,630.
  - ** The cost of the multiplexer at the remote terminal and the central office is $12,651.
  - ** The cost of the digital cross connect at the central office is $1,606.

The total cost for DLC initial common equipment investment for low density DLC is $80,220.

5. The investment in channel units required in the remote terminal of the DLC system (B-62) is determined as follows:

   - For high density (DISC*S) DLC, the channel unit investment at the remote terminal is $69 installed. Similarly, for the coin channel unit in the same system, the installed costs is $417.

   - For high density (Litespan) DLC, the channel unit investment at the remote terminal is $370 installed. Similarly, for the coin channel unit in the same system, the installed costs is $792.

   - For low density (SLC 5) DLC, the channel unit investment at the remote terminal is $82 installed. Similarly, the coin channel unit investment is $406 installed.

6. The number of lines that can be supported on a single DLC channel unit (B-63) is:

   - For high density DLC (DISC*S), there are two circuits per card for POTS and one circuit per card for coin.

- For high density DLC (Litespan), there are four circuits per card for POTS and four circuits per card for coin.

- For low density DLC, there are two circuits per card for POTS and one circuit per card for coin.

7. The threshold number of lines served by low density DLC, above which high density DLC (DISC*S) will be used (B-64), based upon the specific low density and high density systems employed by BST-Florida, indicates a cutover value of 576 lines from low density to high density DLC installation.

8. The threshold number of lines served by low density DLC, above which high density DLC (Litespan) will be used (B-64), based upon the specific low density and high density systems employed by BST-Florida, indicates a cutover value of 384 lines from low density to high density DLC installation.

9. The number of fibers connected to each DLC remote terminal (B-65) is 6 for both high and low density for BST-Florida. Although this practice is employed to produce a high degree of reliability, we have modeled 4 fibers per remote terminal to produce a more conservative result.

10. The investment required for each optical patch panel associated with a DLC remote terminal (B-66), based upon a requirement of a splicing terminal and 24 fiber pigtails, is $903 installed.

11. The cost of common equipment required to add a line module in a remote terminal (B-68) is determined for BST-Florida as follows:

    - For high density (DISC*S) DLC, the cost of hard wire, common equipment, DCS and installation is $32,810

    - For high density (Litespan) DLC, the cost of hard wire, common equipment, DCS and installation is $6,814.

    - For low density (SLC 5) DLC, the cost of the hard wire, common equipment, DCS and installation per additional line module is $25,612.

12. The number of additional modules that can be added to a remote terminal (B-69), for each high density DLC and the SLC 5 system for the low density DLC is as follows:

    - 2 additional line modules for the DISC*S system.
    - 8 additional line modules for the Litespan system.
    - 9 additional line modules for a SLC 5 remote terminal.

Input B-58: DLC Site and Power per Remote Terminal

	Default	BST-FL Specific
Low density DLC	$ 1,300	$ 0
TR-303 DLC	3,000	0

Input B-59: Maximum Line Size per Remote Terminal

	Default	BST-FL Specific
Low density DLC	120	192
TR-303 DLC (DISC*S)	672	672
TR-303 DLC (Litespan)	672	224

Input B-60: Remote Terminal Fill Factor

	Default	BST-FL Specific
Low density DLC	0.900	Same as high density DLC being run
TR-303 DLC (DISC*S)	0.900	0.860
TR-303 DLC (Litespan)	0.900	0.732

Input B-61: DLC Initial Common Equipment Investment

	Default	BST-FL Specific
Low density DLC	$ 13,000	$ 80,220
TR-303 DLC (DISC*S)	66,000	136,094
TR-303 DLC (Litespan)	66,000	121,531

Input B-62: DLC Channel Unit Investment

	Default	BST-FL Specific
Low Density DLC		
POTS Channel Unit	$ 600	$ 82
Coin Channel Unit	600	406
TR-303 DLC (DISC*S)		
POTS Channel Unit	$ 310	$ 69
Coin Channel Unit	250	417
TR-303 DLC (Litespan)		
POTS Channel Unit	$ 310	$ 370
Coin Channel Unit	250	792

Input B-63: DLC Lines per Channel Unit

		BST-FL Specific	
TR-303 DLC	Default	DISC*S	Litespan
POTS Channel Unit	4	2	4
Coin Channel Unit	2	1	4

Low Density	Default	BST-FL Specific
POTS Channel Unit	6	2
Coin Channel Unit	6	1

Input B-64: Low Density DLC to TR-303 DLC Cutover

	BST-FL Specific		
	Default	DISC*S	Litespan
Cutover	480	576	384

Input B-66: Optical Patch Panel

	Default	BST-FL Specific	
Low density DLC	$ 1,000	$ 903	
TR-303 DLC	1,000	903	(DISC*S and Litespan)

Input B-68: Common Equipment Investment per Additional Line Increment

	Default	BST-FL Specific	
Low density DLC	$ 9,400	$ 25,612	
TR-303 DLC	18,500	32,810	DISC*S
TR-303 DLC	18,500	6,814	Litespan

Input B-69: Maximum Number of Additional Line Modules per Remote

	Default	BST-FL Specific	
Low density DLC	1	9	
TR-303 DLC	2	2	DISC*S
TR-303 DLC	2	8	Litespan

Exhibit___(GCG-12)
Sensitive Input Group X: Interoffice Investment

EXHIBIT __ (GCG-12)
SENSITIVE INPUT GROUP X: INTEROFFICE INVESTMENT

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-107 Transmission Terminal Investment
- B-108 Number of Fibers
- B-109 Pigtails, per Strand
- B-110 Optical Distribution Panel
- B-111 E, F & I, per Hour
- B-115 Channel Bank Investment, per 24 Lines
- B-117 Digital Cross Connect System, Installed, per DS-3
- B-118 Transmission Terminal Fill
- B-119 Interoffice Fiber Cable Investment per Foot, Installed
- B-122 Transport Placement
- B-124 Interoffice Conduit, Cost and Number of Tubes

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-107 - Transmission Terminal Investment

2. Input B-108 - Number of Fibers

3. Input B-109 - Pigtails, per Strand

4. Input B-110 - Optical Distribution Panel

5. Input B-111 - E, F & I, per Hour

6. Input B-115 - Channel Bank Investment, per 24 Lines

7. Input B-117 - Digital Cross Connect System, Installed, per DS-3

8. Input B-118 - Transmission Terminal Fill (D-0 Level)

9. Input B-119 - Installed Cost per Foot of Interoffice Fiber Cable

   - This assumes a 24-fiber cable. The default value is derived from input B-57 and is $3.50 installed.

10. Input B-122 - Transport Placement

    - The cost of placement of fiber cable structures.

11. Input B-124 - Interoffice Conduit, Cost and Number of Tubes

    - The cost per foot of interoffice cable conduit and the number of spare tubes placed per route.

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. For the investment in the Add-Drop Multiplexers (ADMs) that extract/insert signals into OC-48 fiber rings (B-107), the estimates for the input were based upon industry experience and the expertise of HAI Consulting, supplemented by consultations with telecommunications equipment suppliers. No backup workpapers or data was provided to support this input.

2. The assumed fiber cross section, or number of fibers in a cable, in the interoffice fiber ring and point for point network (B-108), is stated to be 24. The default value is based upon the engineering judgement of HAI Model developers. No backup workpapers or data was provided to support this input.

3. The cost of the short fiber connectors that attach the interoffice ring fibers to the wire center transmission equipment via a patch panel (B-109) is estimated to be $60 per pigtail. The source of this figure is a 1992 publication entitled Residential Fiber Optic

Networks and Engineering and Economic Analysis, and the engineering judgement of HAI R5.0a developers.

4. The cost of the physical fiber patch panel used to connect 24 fibers to the transmission equipment (B-110) was based upon an estimate by a team of experienced outside plant experts who are alleged to have contracted for hundreds of such installations. No backup workpapers or data was provided to support this input.

5. The per hour cost for the "engineered, furnished, and installed" activities for equipment in each wire center (B-100) associated with the interoffice fiber ring was estimated by a team of experienced outside plant experts. No backup workpapers or data was provided to support this input.

6. Investment in voice grade to DS-1 multiplexers in wire centers (B-115) required for some special access circuits was based upon industry experience and the expertise of HAI Consulting, supplemented by consultations with telecommunications equipment suppliers. No backup workpapers or data was provided to support this input.

7. The investment required for a digital cross connect system that interfaces DS-1 signals between switches and OC-3 multiplexers (B-117), expressed on a per DS-3 basis, is based upon the estimate made by HAI Consulting, supplemented by consultations with telecommunications equipment suppliers.

8. The fraction of maximum DS-0 circuit capacity that can actually be utilized in ADMs and DS-1 to OC-3 multiplexers (B-118) is based upon judgement made by outside plant subject matter experts.

9. MCI and AT&T did not state the specific steps they took to ensure that the default values for each of the UAIs for this Sensitive Input Group reflected the conditions of the territory of BST-Florida and did not state the results of the steps they undertook to make that assurance. Thus, there is no demonstration that the default values they have chosen (which presumably MCI and AT&T believe are forward-looking) are reflective of the conditions in BellSouth-Florida's territory.

10. MCI and AT&T did not state the basis upon which their experts developed their estimates for the default values used in applying HAI R5.0a, and did not provide workpapers and sources associated therewith, where the basis for the default values was claimed to be "expert opinion."

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group X:

1. For transmission terminal investment (B-107), specific information was obtained for the following components:

   - For OC-48 ADMs, installed information was available on two systems:

     - FT 2000, for an installed investment of $130,762.
     - FLM 2400, for an installed cost of $107,544.
     - The appropriate weighted average of the two systems of $107,544 is employed.

   - For OC-48 ADMs, with 12 DS-3 capacity, there are two systems:

     - FT 2000, with an installed investment of $73,428.
     - FLM 2400, for an installed investment of $62,085.
     - The appropriate weighted average is $62,085.

   - For the OC-3/DS-1 terminal multiplexer, information is available on two BST-specific systems:

     - DDM 2000, for an installed investment of $32,360.
     - FLM 150, for an installed investment of $30,017.
     - The appropriate weighted average is $30,720.

   - The "investment per 7 DS-1" figure, is stated to represent the amount by which the investment in OC-3s is reduced for each unit of 7 DS-1s below full capacity of the OC-3. Cards capable of handling four DS-1s are available for the systems described above:

     - DDM 2000, for an installed investment of $772.
     - FLM 150, for an installed investment of $476.
     - A usage weighted average cost of $564 is appropriate for cards capable of handling 4 DS-1s. Including installation costs, this is equivalent to $988 per 7 DS-1s.

2. The fiber cross section, or number of fibers in a cable (B-108), in the interoffice ring varies on the type of structure. It is current BST-Florida practice to have a cross section

of 36 fibers for aerial cable, 30 fibers for buried cable and 30 fibers for underground cable. However, to be conservative in this proceeding, we have accepted the default value of 24 fibers in a cable for aerial, buried and underground fiber.

3. The cost of the short fiber connectors that attach the interoffice ring fibers to the wire center transmission equipment via a patch panel (B-109) is $26 installed.

4. The cost of the physical fiber patch panel used to connect 24 fibers to the transmission equipment (B-110) is $1,805 installed.

5. As we have stated in prior sections, all the installed prices that have been provided include the labor costs that are envisioned in input B-111. Specifically, in input B-117 for transmission terminal investment, our prices have included the cost of labor. Therefore, this input will be set to 0.

6. The investment in voice-grade to DS-1 multiplexers in wire centers (B-115) required for some special access circuits is $2,995 installed.

7. The investment required for a digital cross connect system that interfaces DS-1 signals between switches and OC-3 multiplexers, expressed on a DS-3 basis (B-117), is based upon the following equipment:

   - TELLLABS-5500, for a cost of $5,301.
   - DACS IV, for a cost of $7,005.
   - The appropriate weighted average installed cost is $5,812.

8. The fraction of maximum DS-0 circuit capacity that can actually be utilized in ADMs and DS-1 to OC-3 multiplexers (B-118) is not readily available from BST actual data. The value employed by HAI R5.0a has not been supported and, in our opinion, would cause poor service levels. Some information was provided that on a total capacity available basis, the transmission terminal fill at the DS-0 level is less than 40% for BST. For purposes of this proceeding, we recommend that a fill of 80% be used.

9. The installed cost of interoffice aerial fiber (B-119) per foot is $2.15.

10. The cost of placement of fiber cable structures (B-122) is derived from specific field reporting codes. As previously discussed the placement cost of conduit is aggregated for copper and fiber and is treated accordingly throughout the model. For conduit, the costs for both material (B-124) and placement (B-122) include the cost for manholes and pullboxes. Therefore, we have set the investment in both manholes and pullboxes to zero. The costs also include the cost of spare tubes which are, in turn, also set to zero.

Input B-107: Transmission Terminal Investment

	OC - 48 ADM		OC 3/DS-1 MUX	Investment/7 DS-1s
	48 DS-3s	12 DS-3s	84 DS-1s	
Default	$ 50,000	$ 40,000	$ 26,000	$ 500
BST-FL Specific	107,544	62,085	30,720	988

Input B-108: Number of Fibers

Default:	24
BST-FL Specific:	24

Input B-109: Pigtails

Default:	$ 60
BST-FL Specific:	26

Input B-110: Optical Distribution Panel

Default:	$ 1,000
BST-FL Specific:	1,805

Input B-111: E, F & I, per Hour

Default:	$ 55
BST-FL Specific:	0

Input B-115: Channel Bank Investment, per 24 Lines

Default:	$ 5,000
BST-FL Specific:	2,995

Input B-117: Digital Cross Connect System, Installed

Default:	$ 30,000
BST-FL Specific:	5,812

Input B-118: Transmission Terminal Fill (DS-0 Lead)

Default:	0.90
BST-FL Specific:	0.80

Input B-119: Interoffice 24-Fiber Cable Investment, $/Foot

Default	BST-FL Specific
$ 3.50	$ 2.15

Input B-122: Transport Placement

	Default	BST-FL Specific
Buried	$ 1.77	$ 3.11
Conduit	$ 16.40	$ 4.79

Input B-124: Interoffice Conduit, Cost and Number of Tubes

	Default	BST-FL Specific
Cost/Foot[5]	$ 0.60	$ 0.83
Spare Tubes per Route	1	0

[5] The cost per foot of conduit is also applied to feeder conduit. Feeder conduit has not been assigned a separate "B" number in HAI R5.0a Appendix B. Nonetheless there appears to be an input for this variable in the interface of the model.

Exhibit___(GCG-13)
Sensitive Input Group XL: Switching Factors

EXHIBIT __ (GCG-13)
SENSITIVE INPUT GROUP XI: SWITCHING FACTORS

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-77 Switch Port Administrative Fill
- B-79 MDF/Protector Investment per Line
- B-81 Switch Installation Multiplier
- B-82 Constant EO Switching Investment Term, BOC and Large ICO
- B-88 Wire Center Power Investment
- B-103 Busy Hour Fraction of Daily Usage
- B-104 Annual to Daily Usage Reduction Factor
- B-131 Operator Traffic Fraction
- B-132 Total Interoffice Traffic Fraction
- B-134 Trunk Port, per End
- B-136 Tandem-routed Fraction of Total IntraLATA Traffic
- B-137 Tandem-routed Fraction of Total InterLATA Traffic
- B-150 STP Link Capacity
- B-153 Minimum STP Investment, per Pair
- B-154 Link Termination, Both Ends
- B-157 C Link Cross Section
- B-162 Fraction of BHCA Requiring TCAP
- B-163 SCP Investment/Transaction/Second
- B-166 Operator Intervention Factor

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)

AVAILABILITY OF COST AND OTHER
FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-77 - Switch Port Administrative Fill

 • The switch port administrative fill used for planning and engineering purposes.

2. Input B-79 - MDF/Protector Investment per Line

 • The investment for the protector and terminal and the copper feeder fill factor.

3. Input B-81 - Switch Installation Multiplier

 • The investment in switch engineering and installation activities, expressed as a multiplier of the switch investment.

4. Input B-82 - Constant EO Switching Investment Term, BOC and Large ICO

 • The cost per line per switch used to determine the appropriate constant and office switching investment term.

5. Input B-88 - Wire Center Power Investment

 • The wire center investment required for rectifiers, battery strings, backup generators and various distribution frames, as a function of switch line size.

6 Input B-103 - Busy Hour Fraction of Daily Usage

7. Input B-104 - Annual to Daily Usage Reduction Factor

 • The assumptions, used by engineering and planning, of the effective number of business days in a year to determine the annual to daily usage reduction factor.

8. Input B-131 - Operator Traffic Fraction

 • The fraction of traffic that requires operator assistance.

9. Input B-132 - Total Interoffice Traffic Fraction

- The fraction of all calls that are completed on a switch other than the originating switch.

10. Input B-134 - Trunk Port, per End

- The investment in switch trunk port at each end of a trunk.

11. Input B-136 - Tandem-routed Fraction of Total IntraLATA Traffic

12. Input B-137 - Tandem-routed Fraction of Total InterLATA Traffic

13. Input B-150 - STP Link Capacity

14. Input B-153 - Minimum STP Investment, per Pair

15. Input B-154 - Link Termination, Both Ends

16. Input B-157 - C Link Cross Section

17. Input B-162 - Fraction of BHCA Requiring TCAP

18. Input B-163 - SCP Investment/Transaction/Second

19. Input B-166 - Operator Intervention Factor

(2)
MCI'S AND AT&T'S STATED BASIS FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. Switch Port Administrative Fill (B-77) is the percentage of lines in a switch that are assigned to subscribers, compared to the total equipped lines in a switch. The input portfolio states the default value to 0.98 based upon the expertise of HAI Consulting personnel. No explanation, backup or workpapers as to how this input was provided.

2. The Main Distribution Frame (MDF)/protector investment per line (B-79) is provided as $12.00. This is the MDF investment, including protector, required to terminate one line. The price was obtained by Telecom Visions, Inc., a

consulting firm that assisted in the preparation of the Inputs Portfolio. No explanation, backup or workpapers were provided as to how this default was derived.

3. The switch installation multiplier (B-81), which is the telephone company investment in switch engineering and installation activities, expressed as a multiplier of the switched investment, is 1.10. This input is based upon Bell Atlantic and SBC ONA filings made in 1992.

4. The end office switching investment constant term (B-82) is $242.73. This input is the value of the constant appearing in the function that calculates the per line switching investment as a function of switch line size. It is emphasized that this input is *not* average switch investment cost per line. This input is based upon switching cost surveys as reported in the Northern Business Information (NBI) publication, "US, Central Office Equipment Market: 1995 data base."

5. The wire center investment required for rectifiers, battery strings, backup generators and various distributing frames, as a function of switch line size (B-88), is simply stated to be an estimate made by HAI Consulting. There is no source description, backup or workpapers for this estimate.

6. The busy hour fraction of daily use (B-103), which is the percentage of daily usage that occurs during the busy hour, is estimated to be 0.10. This is based upon an AT&T capacity cost study dated June 20, 1990.

7. The annual to daily usage reduction factor (B-104), which is the effective number of business days in a year, used to concentrate annual usage into a fewer number of days as a step in determining busy hour usage, is estimated to be 270. This estimate is based upon the AT&T capacity cost study referred to above, which uses an annual to daily usage reduction factor of 264 days.

8. The operator traffic fraction (B-131), which is the fraction of traffic, automated or manual, that requires operator assistance, is estimated to be 0.02. This is based upon the expertise of HAI Consulting personnel. There is no backup or workpapers for this estimate.

9. The total interoffice traffic fraction (B-132) is defined as the fraction of all calls that are completed on a switch other than the originating switch and is estimated to be approximately 0.65. The default value is based upon Table 4-5, p. 125, of Engineering and Operations in the Bell System, which shows a range from 0.34 for rural areas and 0.69 for urban areas.

10. The trunk port investment per end (B-134), which is the per trunk equivalent investment in switch trunk port at each end of a trunk, is estimated to be $100. This is based upon the AT&T capacity cost study referred to above, and, further, HAI Consulting's assumption that $100 is for the switch port itself.

11. The tandem routed fraction of total intraLATA traffic (B-136) is estimated to be 0.2. The source of this information is data filed by the LECs in response to an FCC data request in Docket 80-286, "In the Matter of Amendment of Part 36 of the Commission's Rules and Establishment of a Joint Board, December 1, 1994."

12. The tandem routed fraction of total interLATA traffic (B-137), which is the fraction of interLATA calls that are routed through a tandem instead of directly to the IXC, is estimated to be 0.2. The source is the same data filed by the LECs in Docket 80-286, described above.

13. The STP link capacity (B-150), which is the maximum number of signaling links that can be terminated on a given STP pair, is estimated to be 720. The source of this information is the AT&T updated capacity cost study described above.

14. The STP minimum common equipment investment per pair (B-153), which is the minimum investment for a minimum capacity STP, is estimated to be $1,000,000. This is based upon the judgement of HAI Consulting personnel.

15. The cost of transmission equipment that terminates both ends of an SS7 signalling link (B-154) is estimated at $900 and based on the aforementioned AT&T study.

16. The C link cross section (B-157), which is the number of C-links in each segment connecting a mated STP pair, is estimated to be 24. This is derived assuming the 56 kbps signaling links between STPs are normally transported in a DS-1 signal, whose capacity is 24 DS-0s.

17. The fraction of busy hour call attempts (BHCA) requiring transaction capabilities application part (TCAP) (B-162), which is the percentage of BHCAs that require a database query and thus generate TCAP messages, is estimated to be 0.10. The source of this information is data from the AT&T updated capacity cost study, adjusted by HAI Consulting's personnel.

18. The service control point (SCP) investment per transaction per second (B-163), which is the investment in SCP associated with database queries, or transactions, stated as the investment required per transaction per second, is estimated to be $20,000. This is based upon the 1990 data in the AT&T updated cost study referred to above, which uses a default value of $30,000. The default value used in the HAI model represents the judgement of HAI Consulting as to the reduction of such processing costs since 1990.

19. The operator intervention factor (B-166), which is the percentage of all operator assisted calls that require operator intervention, expressed as one out of every n calls, is estimated to be 10. No source for this input was described and no backup or workpapers were provided.

(3) THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group XI:

1. The default value in HAI R5.0a of 0.98 for part administrative fill (B-77) is too high. A more normal forward-looking switch port administrative fill of 0.94 is recommended in this proceeding.

2. The Florida-specific value for the MDF/protector investment per line (B-79) is $15.22. When this is combined with the target output copper feeder fill factor of 0.660, the appropriate input is $23.06 ($15.22/0.660). This takes into account that additional MDF/protector investment per line that is required to terminate the number of equipped lines rather than the number of working lines.

3. Florida-specific data for the telephone company investment in switch engineering and installation activities indicates a switch installation multiplier (B-81) of 1.0870.

4. BellSouth-specific data for digital DMS and 5E switches provides a range of costs for switches on a forward looking basis. Using the lower end of the range of values provided (from about $100 per line to over $300 per line) we conservatively recommend a cost per line (excluding MDF and protector which are included in input B-81), of $129 per line. When this information is fitted to the switching cost parameter curve assumed by HAI R5.0a, the constant end-

office switching investment term (B-82) consistent with Florida-specific data is $288.58.

5. Florida-specific data for the power investment required per line (B-88) is based upon an analysis of the specific requirements for line sizes from 1,000 lines and below to 50,000 lines.

6. Florida-specific busy hour traffic studies indicate that the percentage of daily usage that occurs during the busy hour (B-103) is 0.0865.

7. The effective number of business days in a year used to concentrate annual usage into a fewer number of days, as a step in determining busy hour usage as used for engineering and planning in Florida (B-104), is 310. This is based upon the assumption that weekend and holiday traffic should be weighted as 1/2 of a business day.

8. Operator traffic data from March 1997 for Florida indicates that the fraction of traffic that requires operator assistance, automated or manual (B-131), is 0.0030.

9. Florida data for interoffice traffic indicates that a fraction of 0.740 of all calls are completed on a different switch than the originating switch (B-132).

10. Florida-specific data for the trunk termination investment (B-134) reflects an investment of $79.95 per end for each trunk cost

11. Florida-specific traffic and separations data indicates that the tandem routed fraction of total intraLATA traffic (B-136) is 0.200.

12. Florida-specific traffic and separations data, indicates that the tandem routed fraction of total interLATA traffic (B-137) is 0.200.

13. The STP link capacity for a pair of STPs in Florida is 1,040. This represents the maximum number of signaling links that can be terminated on a given STP pair (B-150). Given that 16 links are required as a cross connection between the mated pair, the appropriate STP link capacity for input B-143 is 1,024 (1,040 - 16).

14. The Florida-specific value for the minimum STP investment, per pair (B-153), is $224,000.

15. The Florida-specific investment for the transmission equipment that terminates both ends of an SS7 signalling link (B-154) is $72[illegible].

16. The number of C-links in each segment connecting a mated STP pair (B-157) is 16 as previously indicated.

17. The percent of busy hour call attempts that require a database query (B-162) is set in its default value in HAI R5.0a to 0.10. While this figure may be reasonable under the current environment, we believe that this is not representative in a forward-looking environment that includes competition and line number portability. With the transfer of BST-Florida customers to other competitors, the requirements for line number portability will be significant. Based upon the forward-looking nature of this assumption, there is no current data that can be provided. It is our opinion that a value substantially in excess of 0.50 will evolve as the appropriate forward-looking input for this factor.

18. Florida-specific data indicates that the SCP investment per transaction per second (B-163) of $2,444 is appropriate.

19. Florida-specific traffic data from March 1997 for the percent of all operator assisted calls that require operator intervention (B-166), expressed as one out of every n calls, indicates the value of two is appropriate.

Input B-77: Switch Port Administrative Fill

Default	BST-FL Specific
0.98	0.94

Input B-79: MDF/Protector Investment per Line

Default	BST-FL Specific
$ 12.00	$ 23.06

Input B-81: Switch Installation Multiplier

Default	BST-FL Specific
1.1000	1.0870

Input B-82: Constant EO Switching Investment Term, BOC & Large ICO

Default	BST-FL Specific
$ 242.73	$ 288.58

Input B-88: Wire Center Power Investment

Lines	Default	BST-FL Specific
0	$ 5,000	$ 17,000
1000	10,000	24,000
5000	20,000	56,000
25,000	50,000	164,000
50,000	250,000	275,000

Input B-103: Busy Hour Fraction of Daily Usage

Default	BST-FL Specific
0.1000	0.0865

Input B-104: Annual to Daily Usage Reduction Factor

Default	BST-FL Specific
270	310

Input B-131: Operator Traffic Fraction

Default	BST-FL Specific
0.0200	0.0030

Input B-132: Total Interoffice Traffic Fraction

Default	BST-FL Specific
0.650	0.740

Input B-134: Trunk, Port, per End

Default	BST-FL Specific
$ 100.00	$ 79.95

Input B-136: Tandem Routed Fraction of Total IntraLATA Traffic

Default	BST-FL Specific
0.200	0.200

Input B-137: Tandem Routed Fraction of Total InterLATA Traffic

Default	BST-FL Specific
0.200	0.200

Input B-150: STP Link Capacity

Default	BST-FL Specific
720	1,024

Input B-153: Minimum STP Investment, per Pair

Default	BST-FL Specific
$ 1,000,000	$ 224,000

Input B-154: Link Termination, Both Ends

Default	BST-FL Specific
$ 900	$ 725

Input B-157: C Link Cross Section

Default	BST-FL Specific
24	16

Input B-162: Fraction of BHCA Requiring TCAP

Default	BST-FL Specific
0.10	0.50

Input B-163: SCP Investment/Transaction/Second

Default	BST-FL Specific
$ 20,000	$ 2,444

Input B-166: Operation Intervention Factor

Default	BST-FL Specific
10	2

Exhibit ___ (GCG-14)
Sensitive Input Group XII: Expense Factors

EXHIBIT __ (GCG-14)
SENSITIVE INPUT GROUP XI: EXPENSE FACTORS

This Exhibit analyzes and evaluates HAI R5.0a default values, and identifies alternative values, for the following HAI R5.0a Appendix B user-adjustable inputs:

- B-181 Income Tax Rate
- B-183 Other Taxes Factor
- B-186 Forward-Looking Network Operations Factor
- B-187 Alternative CO Switching Expense Factor
- B-188 Alternative Circuit Equipment Factor
- Other Expense Factors

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio.

This Exhibit is structured in 3 parts: Part (1) identifies the UAIs in this Sensitive Input Group for which we have been able to obtain forward-looking cost and other forward-looking data that is specific to BellSouth-Florida, Part (2) identifies the basis upon which MCI and AT&T state they have developed their default values for the UAIs in this Sensitive Input Group and contains some of our observations about the default values, and Part (3) identifies the alternative values developed by GCG to replace the default values in order to reflect forward-looking costs and other conditions, based on BellSouth-Florida data.

(1)
AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

Forward-looking cost (*i.e.*, no embedded cost characteristics) and other forward-looking data specific to BellSouth-Florida have been obtained for the following user-adjustable inputs:

1. Input B-181 - Income Tax Rate

2. Input B-183 - Other Taxes Factor

3. Input B-186 - Forward-Looking Network Operations Factor

4. Input B-187 - Alternative CO Switching Expense Factor

   - The expense to investment ratio for digital switching equipment.

5. Input B-188 - Alternative Circuit Equipment Factor

- The expense to investment ratio for all circuit equipment (as categorized in the ARMIS report).

6. Other Expense Factors

(2)
MCI'S AND AT&T'S STATED BASIS
FOR THEIR DEFAULT VALUES

MCI and AT&T claim the following basis for deriving the default values:

1. The combined Federal and State income tax rate on earnings (B-181) in HAI R5.0a is estimated based upon a nationwide average of the Federal and individual State tax rates. This nationwide average is apparently based upon an aggregate of all fifty states. While the computation of that average may include Florida-specific conditions, the average is not specifically applicable to Florida. No backup or data for the estimate has been provided.

2. The taxes to be paid in addition to Federal and State income taxes (B-183) is an estimate based upon the average of all Tier I LECs, expressed as a percentage of total revenue. This data is stated to be derived from ARMIS report 43-03. The estimate based upon Tier I LECs may not reflect the specific conditions in Florida. The default value used in HAI R5.0a for this input is 5.0%. No backup or data for this estimate has been provided.

3. The default value for the forward-looking network operations factor (B-186) used in HAI R5.0a is 50%. This means that for the category of expenses for BST-Florida called Network Operations Expenses, which are reported in the ARMIS reports to be $235 million in 1996, HAI R5.0a assumes that the expense on a forward-looking basis will be $117.5 milion, or a reduction of $117.5 million (approximately $1.50 per loop per month).

   The Hatfield Model Release 3.1 inputs portfolio (draft dated April 3, 1997, issued during a Workshop held in Georgia) contends that the forward-looking network operations factor is supported by the testimony of Pacific Bell witness Mr. R. L. Scholl, dated April 17, 1996. In MCI's and AT&T's, MCI and AT&T do not state that the forward-looking network operations factor is based on the testimony of Mr. R. L. Scholl or any other testimony submitted by Pacific Bell. No explanation for the apparent contradiction between the HM R4.0 inputs portfolio and the response to discovery was provided. Later drafts remove this reference (draft dated August 1, 1997 and later).

HAI R5.0a states that Network Operations Expenses are driven upward by antiquated systems that are more costly to maintain than the modern equipment that is assumed to be installed by the HAI Model. It further states that the HAI Model assumes that today's costs do not reflect much of the substantial savings opportunities posed by new technologies, such as new management network standards, intranet and the like. Nonetheless, no specific backup or workpapers were provided to document how the proposed $48 million reduction in Network Operations Expenses is to be accomplished.

4. The expense to investment ratio for Digital Switching Equipment (B-187), which has a default value of 0.0269 in HAI R5.0a, is based upon a value derived in the New England Incremental Cost Study. The New Hampshire Incremental Cost Study is based upon 1993 or older New Hampshire data, and represents a system whose architecture is based upon a system that is approximately one sixth the size of BST-Florida.

   MCI and AT&T did not provide the basis upon which the default value for this input is applicable to the Florida operations of BST and how the expense to investment ratio for digital switching for New England Telephone's New Hampshire operations compares to the expense to investment ratios for digital switching equipment for other state telephone operations and specifically for the Florida operations of BST.

5. The expense to investment ratio for all circuit equipment (B-188), as categorized in the ARMIS reports, of 0.0153 is based upon the New England Incremental Cost Study. This is the same study as described above for input B-187, based upon 1993 or older New Hampshire data.

   MCI and AT&T did not provide the basis upon which the default value for this input is applicable to the Florida operations of BST.

6. The operating costs or cost/investment ratios determined by HAI R5.0a, other than the expenses for digital switching equipment (B-187) and expenses related to circuit equipment (B-188), are not provided as user changeable inputs. These expenses primarily consist of expenses related to public telephone terminal equipment, poles, buildings, aerial cable, operator systems, buried cable, total cable and wire facilities and underground cable. The model recognizes that for the year 1996, the base year for which ARMIS data has been accumulated, the net expenses related to the items listed above is approximately $339 million. On a forward-looking basis, HAI R5.0a estimates these same expenses to be $140 million, a reduction of $199 million below the 1996 expense level for these categories. This represents a reduction of approximately 59% below the 1996 current figures. This proposed reduction of expenses amounts to $2.54 per loop per month.

There is virtually no support or explanation for this methodology employed by HAI R5.0a. Page 64 of the model description of HAI R5.0a states:

> estimating LEC operating costs is more difficult. Few publicly available forward-looking cost studies are available from the ILECs. Consequently, many of the operating cost estimates developed here must rely on relationships to and within historical ILEC cost information as a point of departure for estimating forward-looking costs. While certain of these costs are closely linked to the number of lines provided by the ILEC, other categories of operating expenses are related more closely to the levels of their related investments. For this reason, the expense module develops factors for numerous expense categories and applies these factors both against investment levels and demand quantities (as appropriate) generated by previous modules.

There is no validation of the arbitrary assumption made by HAI R5.0a that it would be appropriate to use historical cost information to develop a relationship between expenses and investment, and then multiply this ratio by an estimate of forward-looking investment developed by HAI R5.0a. In fact, in response to discovery in Georgia, HAI Consulting [then Hatfield Associates], MCI and AT&T agree that equipment prices are not always a direct driver of indirect expenses, including maintenance and operation.

(3)
THE GCG ALTERNATIVE VALUES BASED UPON COST AND OTHER DATA SPECIFIC TO BELLSOUTH-FLORIDA

The following BellSouth-Florida-specific values were obtained for the user-adjustable inputs that make up Sensitive Input Group XII:

1. The combined Federal and State income tax rate for input B-181 is 38.57%.

2. The tax rate paid by BST-Florida in addition to Federal and State income taxes (B-183), derived from the ARMIS report 43-03, is 4.77% as follows:

	$000s
Other Taxes	$ 160,217
Net Revenue	$ 3,361,147
Ratio	4.77%

3. The support for the forward-looking network operations factor (B-186) provided by MCI/AT&T was previously cited to be the testimony of Pacific Bell witness,

Mr. R.L. Scholl, dated April 17, 1996. In this testimony, Mr. Scholl made the following observations:

- The cost estimates produced by the model presented by MCI and AT&T known as "the Hatfield Proxy Model" consistently understate the costs of providing universal service in California, and the model is, therefore, not appropriate (see page 2, April 17, 1996 testimony).

- The Hatfield Model's basic structure to estimate operating expenses by applying factors to incremental investments is wrong (see page 3, April 17, 1996 testimony).

- While the Hatfield Model's factor approach may be useful in an embedded cost study where embedded investments (the aggregate of all the investments on a company's books) are relatively stable over time, it has no place in an incremental study where equipment prices can be quite volatile (see page 4, April 17, 1996 testimony). In this Florida proceeding, however, MCI and AT&T continue to advocate the factor approach to estimate operating expenses.

- The factor used in the Hatfield Model to estimate digital switch maintenance expenses are from the New England Telephone Cost Study for New Hampshire (see page 6, April 17, 1996 testimony). As there is no evidence that digital switch maintenance costs per line vary significantly by the line size of the switch, by using the switch maintenance factor for New Hampshire's high switch unit investment, the Hatfield Model creates a factor only for "small town" states like New Hampshire, but that factor is clearly much too low for California with its cities. Applying the low switch maintenance factor from New Hampshire to Pacific's lower per line switch investment will, by necessity, underestimate the switch maintenance costs of Pacific Bell..

- The Hatfield Model uses Pacific Bell data for development of other maintenance cost factors (see page 5, April 17, 1996 testimony). This is an example of the builders of the Hatfield Model selectively choosing their processes to consistently underestimate costs.

Mr. Scholl's testimony supports a cost per line per month of $26.33 (see page 11, April 17, 1996 testimony), versus the Hatfield Model estimate of $14.94 per line per month. Mr. Scholl's overall estimate is 76% greater than the estimate produced by the Hatfield Model in that proceeding. There are only two specific areas in which the estimate made by Mr. Scholl is lower than the estimate made by the Hatfield Model. This is in the area of uncollectibles, where the Hatfield Model uses a specific line item for uncollectibles, whereas the recommendations of Mr. Scholl may have this included in other accounts.

The only other area where Mr. Scholl shows a lower cost per line is in network operations. No analysis of the data has been performed to determine what accounts were used by Mr. Scholl and upon what basis for this one line item were the expenses substantially below those predicted by the Hatfield Model. It must be remembered that in the overall context, recommendations made by Mr. Scholl are 76% above those recommended by the Hatfield Model including the estimate for network operations, which is more than double that recommended by Mr. Scholl.

No analysis or backup has been provided to determine how the network operations expenses can be reduced by 50%. We would point out that since the early nineties, BST-Florida has implemented a considerable amount of cost savings and has reduced its workforce. Therefore the 1996 ARMIS expense data already reflects these cost savings.

Personnel expenses represent a considerable portion of the network operation expenses. It would be totally unreasonable to assume that over the period in which MCI and AT&T expect that rates would be in effect from this proceeding, that a further 50% reduction in network operations expense and the related workforce can be achieved. In the 1997 to 1999 timeframe, based on continuing productivity and workforce management, a reasonable reduction in network operations expense can be expected. We recommend that the appropriate input for B-186 in this proceeding is 90%.

4. The value recommended by HAI R5.0a for input B-187 is 0.0269 based upon data from a 1993 New Hampshire Incremental Cost Study. The infirmities with using the New Hampshire Incremental Cost Study have already been dealt with in the prior section and are summarized as follows:

- The data is from 1993 or older.

- The application of conditions in New Hampshire to the situation in Florida is dubious at best. In New Hampshire, there were approximately 600,000 residents and business lines in the 1993 study while there are approximately 2.3 million lines in HAI R5.0a for Florida.

- While MCI and AT&T have relied in the past on support from Mr. R.L. Scholl of Pacific Bell in the use of forward-looking factor, his strong criticism of the use of the New Hampshire Incremental Cost Study for this input has been ignored. Specifically, Mr. Scholl states:

  FCC ARMIS data bear out that the HAI Model's switch maintenance expense factor and reliance on New Hampshire data results in a completely unreliable estimate of switching maintenance expense. The

HAI Model uses a digital switch maintenance factor of 0.0269 from a 1992 study for New Hampshire. The 1993 ARMIS data shows that the average RBOC has a digital switch maintenance factor of 0.0580, while Pacific's was 0.0540. The New Hampshire factor clearly has no relevance for Pacific Bell.

In the table attached to this section, we have presented the digital electronic switching expense factor for 160 telephone companies based on 1996 data. The average for the entire group was 0.0570. The ratio for BST-Florida is 0.0650 in 1997 and 0.0572 in 1996. The figure for the New Hampshire operations of the New England Telephone Company is 0.0247.

In order to be conservative we have assumed that increased efficiencies would ensue to this account in the timeframe over which rates in this proceeding would be effective. We recommend that a 10% increase in efficiency be assumed for purposes of this proceeding. Using 90% of the expense to investment ratio of 0.0650 for BST-Florida results in a ratio of 0.0585.

MCI and AT&T did not describe the steps taken by HAI Consulting and/or MCI and AT&T to verify that the default value for input B-187 is applicable to the Florida operations of BST on a forward-looking basis.

5. The value recommended by HAI R5.0a for input B-188 which is the expense to for all circuit equipment is also based upon the New Hampshire Incremental Cost Study. The infirmities of using the values from the New Hampshire Incremental Cost Study has already been discussed for the prior two default inputs and will not be repeated here.

   Attached in this section is a table using 1996 data calculating the ratio of the circuit equipment expense to its corresponding investment for all of the state by state ARMIS data as well as the Company by Company data which accompanied HAI R5.0a. The data shows an average circuit equipment expense to investment ratio of 0.0198. This is higher than the ARMIS book expense to investment ratio for BST-Florida of 0.0189 in 1997 and 0.096 in 1996. Consistent with our recommendations in prior input variables to be conservative and to reflect productivity going forward, we recommend that 90% of the expense to investment ratio of 0.0189 or 0.0170 be used as the appropriate input in this proceeding.

   MCI and AT&T did not describe any step taken by HAI Consulting and/or MCI and AT&T to verify that the default value for input B-188 is applicable to the territory of the Florida operations of BST on a forward-looking basis.

6. The expense-to-investment ratios developed by HAI R5.0a for expenses related to public telephone terminal equipment, poles, buildings, aerial cable, operator

systems, buried cable, total cable and wireless facilities and underground cable, when applied to the investments determined by HAI R5.0a related to the same categories listed above, result in a forward-looking expense level related to these items of $140 million compared with $339 million as reported by ARMIS for 1996.

MCI and AT&T did not describe the basis upon which the expense factors used in HAI R5.0a were deemed to be reasonable.

It is unreasonable to assume that by making an assumption in HAI R5.0a, MCI and AT&T can effectively eliminate approximately $199 million of expenses or, approximately 59% reduction averaged over the various categories listed above. It is even more interesting that MCI and AT&T make this adjustment without a single item of support that such an adjustment is appropriate. This adjustment results in a decrease in the estimate of the local loop cost of $2.54 per loop per month, and the model does not even permit this item to be a user changeable input! How would the staff of the Florida Public Service Commission or the Florida Public Service Commission make an adjustment if either of them decided it was inappropriate to assume away a cost of $2.54 per loop per month?

Although the expense ratios have not been presented as being a user changeable input, it is possible to go into the spreadsheet calculations and make these adjustments "offline," and we have done so. It is our recommendation that a reduction of 59% in the level of these expenses on a forward-looking basis is inappropriate. As we have recommended for inputs relating to the forward-looking network operations factor (B-186), the input for central office switching expense (B-187) and the input for the alternative circuit equipment factor (B-188), we believe that it would be reasonable to assume a productivity increase of 10% over the time period that rates from this proceeding are expected to be in effect. In addition, given that it was not our mission in this proceeding to evaluate and question the logic of HAI R5.0a, and given that the model in this proceeding produces a result that results in 70% of the lines being served by digital loop carrier (DLC), whereas at the current time approximately 38% of Florida-specific lines are served by DLC, we believe it would be reasonable to make a further adjustment to forward-looking expenses in the categories listed above. We recommend that an additional 10% adjustment be made. We recommend that for the expense items under consideration, a forward-looking factor of 0.8 be applied compared with the "hard wired" methodology employed by HAI R5.0a. This recommendation will result in a reduction in expenses of approximately $29 million on a forward-looking basis which is equivalent to a reduction in the loop cost of approximately $0.87 per loop per month.

GCG has developed the following alternative values for inputs B-181, B-183, B-186, B-187 and B-188:

Input B-181: Income Tax Rate

Default	BST-FL Specific
0.3925	0.3857

Input B-183: Other Taxes Factor

Default	BST-FL Specific
0.0500	0.0477

Input B-186: Forward-looking Network Operations Factor

Default	BST-FL Specific
0.500	0.900

Input B-187: Alternative Central Office Switching Expense Factor

Default	BST-FL Specific
0.0269	0.0585

Input B-188: Alternative Circuit Equipment Factor

Default	BST-FL Specific
0.0153	0.0170

	ARMIS Expense	Default	BST-FL Specific	HAI R5.0a Expenses Default % of Actual	BST-FL Specific % of Actual
1996 Data	$ 339,125	$ 140,331	$ 271,300	41.38%	80.0%
1997 Data	337,387	131,353	269,909	38.93%	80.0%

1996 ARMIS Expense Analysis from HM 5.0a Files
Network Operations Expense per Line

			Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
1.	SBFL*	BellSouth Telecommunications	233,131	1,732	234,863	6,520,381	3.00	98%	1.50
2.	PRCC	PRTC - CENTRAL	14,117	155	14,272	151,019	7.88	256%	3.94
3.	GTMC	Micronesian Telecommunications	1,331	121	1,452	18,203	6.65	216%	3.32
4.	PRPR	Puerto Rico Telephone Company	71,636	787	72,423	1,062,065	5.68	185%	2.84
5.	GTMN	GTMN+COMN+COTM	216	8	224	3,307	5.66	184%	2.83
6.	GCTM	GTMN+COMN+COTM	7,979	305	8,284	122,260	5.65	184%	2.82
7.	COMN	GTMN+COMN+COTM	7,763	297	8,060	118,953	5.65	184%	2.82
8.	CEVA	CENTEL OF VIRGINIA	16,859	214	17,073	272,125	5.23	170%	2.61
9.	SNCT	Southern New England Telephone	123,726	1,036	124,762	2,144,318	4.85	158%	2.42
10.	UTTX	UTC OF TEXAS, INC.	8,236	80	8,316	145,611	4.76	155%	2.38
11.	CEFL	CENTEL OF FLORIDA	20,990	281	21,271	384,804	4.61	150%	2.30
12.	COAZ	GTE California Incorporated	410	15	425	7,740	4.58	149%	2.29
13.	UTMO	UTC OF MISSOURI	14,162	128	14,290	260,254	4.58	149%	2.29
14.	GTHI	GTE Hawaiian Telephone Company	38,018	1,412	39,430	746,088	4.40	143%	2.20
15.	CWWV	Bell Atlantic	41,310	622	41,932	804,495	4.34	141%	2.17
16.	UTOH	UTC OF OHIO	31,744	378	32,122	625,838	4.28	139%	2.14
17.	NYTC	NYNY+NYCT	605,959	5,276	611,235	12,047,463	4.23	137%	2.11
18.	GNCA	GTE Northwest Incorporated	620	47	667	13,252	4.19	136%	2.10
19.	CEIL	CENTEL OF ILLINOIS	14,865	268	15,133	301,742	4.18	136%	2.09
20.	UTWA	UTOR+UTWA+UTNW	3,651	86	3,737	77,030	4.04	131%	2.02
21.	SUNW	UTOR+UTWA+UTNW	6,832	160	6,992	144,225	4.04	131%	2.02
22.	UTOR	UTOR+UTWA+UTNW	3,181	74	3,255	57,195	4.04	131%	2.02
23.	CONC	GTNC+CONC	6,396	175	6,571	136,713	4.01	130%	2.00

* SBFL - 1997	228,137	321	228,458	6,860,016	2.78	90%	1.39

			Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
24.	CENC	Centel Telephone System	11,788	187	11,975	251,093	3.97	129%	1.99
25.	MSWY	U S WEST Communications	12,091	133	12,224	256,354	3.97	129%	1.99
26.	UTNC	CAROLINA TEL. AND TELGPH. CO.	48,895	666	49,561	1,058,408	3.90	127%	1.95
27.	RTNY	Rochester Telephone Corporatio	24,350	338	24,688	534,908	3.85	125%	1.92
28.	GCNC	GTNC+CONC	16,292	446	16,738	366,794	3.80	124%	1.90
29.	GTAL	GTE South Incorporated	6,655	341	6,996	155,297	3.75	122%	1.88
30.	UTIN	UTC OF INDIANA, INC.	11,335	229	11,564	257,537	3.74	122%	1.87
31.	UTPA	UTC OF PENNSYLVANIA	16,630	165	16,795	377,320	3.71	121%	1.85
32.	GTNC	GTNC+CONC	[illegible],896	271	10,167	230,081	3.68	120%	1.84
33.	UTNJ	UTC OF NEW JERSEY, INC.	8,477	67	8,544	193,657	3.68	120%	1.84
34.	PTNV	Nevada Bell	15,503	134	15,637	361,166	3.61	117%	1.80
35.	GTAR	GTE Southwest Incorporated	3,383	160	3,543	82,824	3.56	116%	1.78
36.	GTID	GTE Northwest Incorporated	5,076	239	5,315	124,952	3.54	115%	1.77
37.	SBSC	BellSouth Telecommunications	61,714	129	61,843	1,455,585	3.54	115%	1.77
38.	ALPA	ALLTEL Pennsylvania	8,872	265	9,137	215,811	3.53	115%	1.76
39.	NWNE	U S WEST Communications	29,583	250	29,833	706,386	3.52	114%	1.76
40.	NEMA	New England Telephone	188,227	3,441	191,668	4,567,306	3.50	114%	1.75
41.	COAL	Contel of the South, Inc.	4,401	173	4,574	110,487	3.45	112%	1.72
42.	CDDC	Bell Atlantic	44,429	12	44,441	1,079,162	3.43	112%	1.72
43.	MSCO	U S WEST Communications	127,385	1,443	128,828	3,155,240	3.40	111%	1.70
44.	CONV	GTE California Incorporated	1,229	53	1,282	31,578	3.38	110%	1.69
45.	SWKS	Southwestern Bell Telephone Co	58,555	630	59,185	1,474,549	3.34	109%	1.67
46.	CONM	GTNM+CONM	1,582	63	1,645	40,990	3.34	109%	1.67
47.	ALGC	ALLTEL GEORGIA COMMUNICATION C	10,545	345	10,890	272,034	3.34	108%	1.67
48.	GCNM	GTNM+CONM	3,313	132	3,445	86,176	3.33	108%	1.67
49.	SCMS	BellSouth Telecommunications	49,896	587	50,483	1,26[illegible],008	3.33	108%	1.66
50.	COWA	GTWA+COWA	3,376	106	3,481	87,211	3.33	108%	1.66
51.	GTNM	GTNM+CONM	1,731	69	1,800	45,186	3.32	108%	1.66
52.	SWAR	Southwestern Bell Telephone Co	40,830	457	41,287	1,036,671	3.32	108%	1.66
53.	GCWA	GTWA+COWA	32,026	1,005	33,031	831,082	3.31	108%	1.66
54.	GTWA	GTWA+COWA	28,650	899	29,550	743,871	3.31	108%	1.66

			Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
55.	NEVT	New England Telephone	13,706	263	13,969	353,152	3.30	107%	1.65
56.	UTFL	UTC OF FLORIDA	57,149	586	57,735	1,460,289	3.29	107%	1.65
57.	COST	Frontier-MN	4,174	106	4,279	108,330	3.29	107%	1.65
58.	CCPA	C-TEC Corporation - PA	9,211	233	9,444	239,060	3.29	107%	1.65
59.	ATNC	Alltel Carolina - NC	6,864	174	7,038	178,165	3.29	107%	1.65
60.	ICO	North State Tel Co	4,306	109	4,416	111,774	3.29	107%	1.65
61.	UTMN	UTC Minnesota	5,398	137	5,535	140,110	3.29	107%	1.65
62	ICO-ROLL	Independent companies	1,197,661	30,342	1,228,003	31,085,319	3.29	107%	1.65
63.	ATAK	Anchorage Tel Util	6,060	154	6,214	157,299	3.29	107%	1.65
64.	ROCA	Roseville Tel Co	3,986	101	4,087	103,468	3.29	107%	1.65
65.	CETX	CENTEL OF TEXAS	7,169	182	7,351	186,074	3.29	107%	1.65
66.	TUWA	Tel Util of WA Inc	5,964	151	6,115	154,804	3.29	107%	1.65
67.	ATOH	Alltel Ohio Inc	4,809	122	4,931	124,812	3.29	107%	1.65
68.	NWSD	U S WEST Communications	12,861	62	12,923	331,217	3.25	106%	1.63
69.	CTTR	CTRH+CTUP+CTWC+CTNY	10,523	0	10,523	271,339	3.23	105%	1.62
70.	NENH	New England Telephone	29,455	597	30,052	775,563	3.23	105%	1.61
71.	UTVA	UTTN+UTVA+UTIM	3,877	75	3,952	102,107	3.23	105%	1.61
72.	SWOK	Southwestern Bell Telephone Co	67,086	885	67,971	1,759,889	3.22	105%	1.61
73.	SCAL	BellSouth Telecommunications	73,837	1,684	75,521	1,968,210	3.20	104%	1.60
74.	SBNC	BellSouth Telecommunications	94,091	1,031	95,122	2,534,578	3.13	102%	1.56
75.	CVVA	Bell Atlantic	129,065	1,699	130,764	3,489,542	3.12	102%	1.56
76.	MSNM	U S WEST Communications	33,356	395	33,751	900,918	3.12	101%	1.56
77.	COIA	GTIA+COIA+COSI	2,927	101	3,028	80,832	3.12	101%	1.56
78.	GCIA	GTIA+COIA+COSI	9,911	343	10,254	275,112	3.11	101%	1.55
79.	GTIA	GTIA+COIA+COSI	4,287	148	4,435	119,018	3.11	101%	1.55
80.	COMO	GTMO+COCM+COEM+COMO	8,359	417	8,775	235,639	3.10	101%	1.55
81.	SUIM	UTTN+UTVA+UTIM	12,763	[illegible]	13,010	349,661	3.10	101%	1.55
82	GCMO	GTMO+COCM+COEM+COMO	14,807	738	15,545	418,897	3.09	101%	1.55
83.	COSI	GTIA+COIA+COSI	2,698	93	2,791	75,263	3.09	100%	1.55

			Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
84.	SCLA	BellSouth Telecommunications	84,344	1,102	85,446	2,305,079	3.09	100%	1.54
85.	COCM	GTMO+COCM+COEM+COMO	1,946	97	2,043	55,166	3.09	100%	1.54
86.	COKY	GTKY+COKY	3,567	114	3,680	99,397	3.09	100%	1.54
87.	GTMO	GTMO+COCM+COEM+COMO	4,355	217	4,572	123,880	3.08	100%	1.54
88.	COTX	GTTX+COTX	8,479	269	8,748	237,458	3.07	100%	1.54
89.	MSMT	U S WEST Communications	15,093	159	15,252	414,417	3.07	100%	1.53
90.	SBGA	BellSouth Telecommunications	158,166	1,367	159,533	4,343,728	3.06	99%	1.53
91.	UTTN	UTTN+UTVA+UTIM	8,886	172	9,058	247,554	3.05	99%	1.52
92.	GTVA	GTVA+COVA	1,230	54	1,284	35,101	3.05	99%	1.52
93.	GCKY	GTKY+COKY	19,268	614	19,882	549,908	3.01	98%	1.51
94.	NWND	U S WEST Communications	12,407	(32)	12,375	342,854	3.01	98%	1.50
95.	GCVA	GTVA+COVA	19,279	843	20,122	557,496	3.01	98%	1.50
96.	COVA	GTVA+COVA	18,049	789	18,838	522,395	3.01	98%	1.50
97.	SCTN	BellSouth Telecommunications	94,849	881	$ 95,730	2,846,289	$ 2.80	91%	1.40
98.	GTKY	GTKY+COKY	15,701	500	16,202	450,511	3.00	97%	1.50
99.	GCTX	GTTX+COTX	66,503	2,110	68,613	1,909,825	2.99	97%	1.50
100.	COAR	COAR+COSA+COAT	3,413	144	3,558	99,363	2.98	97%	1.49
101.	GTTX	GTTX+COTX	58,024	1,841	59,865	1,672,367	2.98	97%	1.49
102.	GCAR	COAR+COSA+COAT	4,138	175	4,313	120,592	2.98	97%	1.49
103.	MSAZ	U S WEST Communications	101,614	2,262	103,876	2,905,642	2.98	97%	1.49
104.	COSA	COAR+COSA+COAT	725	31	755	21,229	2.96	96%	1.48
105.	COSC	GTSC+COSC	752	24	776	21,904	2.95	96%	1.48
106.	SWTX	Southwestern Bell Telephone Co	360,159	6,695	366,854	10,357,493	2.95	96%	1.48
107.	CMMD	Bell Atlantic	124,381	2,847	127,228	3,597,395	2.95	96%	1.47
108.	SWMO	Southwestern Bell Telephone Co	103,599	981	104,580	2,972,987	2.93	95%	1.47
109.	PAPA	Bell Atlantic	216,063	5,388	221,451	6,315,771	2.92	95%	1.46
110.	SCKY	BellSouth Telecommunications	43,076	934	44,010	1,255,189	2.92	95%	1.46
111.	GCSC	GTSC+COSC	6,687	215	6,902	197,191	2.92	95%	1.46
112.	GTSC	GTSC+COSC	5,935	191	6,126	175,287	2.91	95%	1.46

		Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
113. NERI	New England Telephone	22,927	508	23,435	673,401	2.90	94%	1.45
114. GTFL	GTE FLORIDA, INC.	76,094	(1,283)	74,811	2,161,945	2.88	94%	1.44
115. PNWA	U S WEST Communications	95,215	1,155	96,370	2,788,269	2.88	94%	1.44
116. NJNJ	Bell Atlantic	214,125	(1,080)	213,045	6,180,731	2.87	93%	1.44
117. COCA	GTCA+COCA	11,223	465	11,688	340,390	2.86	93%	1.43
118. ALWR	Western Reserve Tel	5,517	226	5,743	167,301	2.86	93%	1.43
119. NEME	New England Telephone	23,277	664	23,941	702,484	2.84	92%	1.42
120. DSDE	Bell Atlantic	18,367	387	18,754	550,371	2.84	92%	1.42
121. GCCA	GTCA+COCA	144,631	5,987	150,618	4,423,106	2.84	92%	1.42
1_2. GTCA	GTCA+COCA	133,408	5,522	138,930	4,082,716	2.84	92%	1.42
123. NWMN	U S WEST Communications	90,227	796	91,023	2,689,913	2.82	92%	1.41
124. GTOK	GTE Southwest Incorporated	3,525	190	3,715	110,421	2.80	91%	1.40
125. SCTN	BellSouth Telecommunications	94,849	881	95,730	2,846,289	2.80	91%	1.40
126. MSUT	U S WEST Communications	42,865	922	43,787	1,341,896	2.72	88%	1.36
127. CENV	Centel Telephone System	28,319	261	28,580	878,141	2.71	88%	1.36
128. MSID	Boc	17,012	227	17,239	537,848	2.67	87%	1.34
129. USID	PNID+MSID	17,929	220	18,149	572,651	2.64	86%	1.32
130. PTCA	PACIFIC BELL	630,027	8,471	638,498	20,159,681	2.64	86%	1.32
131. GLIN	Contel of the South, Inc.	303	8	311	9,838	2.63	86%	1.32
132. COIN	GTIN+COIN	5,593	158	5,751	184,012	2.60	85%	1.30
133. GTMI	GTE North Incorporated	19,758	1,331	21,089	675,426	2.60	85%	1.30
134. GTNE	GTE Midwest Incorporated	1,757	86	1,843	59,028	2.60	85%	1.30
135. NWIA	U S WEST Communications	40,251	240	40,491	1,302,773	2.59	84%	1.30
136. GCIN	GTIN+COIN	28,007	792	28,799	931,337	2.58	84%	1.29
137. GTIN	GTIN+COIN	22,414	634	23,048	747,325	2.57	84%	1.29
138. GLIL	GTIL+GLIL+COIL	1,283	41	1,324	43,327	2.55	83%	1.27
139. COIL	GTIL+GLIL+COIL	5,673	182	5,855	191,817	2.54	83%	1.27
140. OBOH	Ohio Bell	134,678	5,630	140,308	4,609,751	2.54	82%	1.27
141. PNOR	U S WEST Communications	50,027	824	50,851	1,677,119	2.53	82%	1.26

		Network Oper	Support	Total Network ($000s)	Total Lines	Monthly Expense per Line ($)	% of Average	per month effect of 50% Reduction
142. GCIL	GTIL+GLIL+COIL	26,622	853	27,475	906,404	2.53	82%	1.26
143. GTIL	GTIL+GLIL+COIL	19,666	630	20,296	671,260	2.52	82%	1.26
144. GLMI	Contel of the South, Inc.	1,430	70	1,500	49,629	2.52	82%	1.26
145. GTOR	GTE Northwest Incorporated	13,835	609	14,444	482,337	2.50	81%	1.25
146. MBMI	Michigan Bell	165,137	10,094	175,231	5,877,596	2.48	81%	1.24
147. CBKY	CBIN+CBKY+CBOH+CBTC	5,486	131	5,617	190,076	2.46	80%	1.23
148. GTOH	GTE North Incorporated	23,994	489	24,483	840,940	2.43	79%	1.21
149. CNTC	CBIN+CBKY+CBOH+CBTC	28,090	673	28,763	995,491	2.41	78%	1.20
150. LBIL	Illinois Bell	213,539	7,685	221,224	7,664,356	2.41	78%	1.20
151. CBOH	CBIN+CBKY+CBOH+CBTC	22,604	542	23,146	805,415	2.39	78%	1.20
152. COQS	GTPA+COPA+COQS	1,158	43	1,202	42,113	2.38	77%	1.19
153. GCPA	GTPA+COPA+COQS	17,212	64[illegible]	17,855	638,586	2.33	76%	1.17
154. GTPA	GTPA+COPA+COQS	14,313	535	14,848	531,076	2.33	76%	1.16
155. COPA	GTPA+COPA+COQS	1,740	65	1,805	65,397	2.30	75%	1.15
156. NBIN	Indiana Bell	60,003	1,956	61,959	2,348,475	2.20	71%	1.10
157. PNID	Boc	917	(7)	910	34,773	2.18	71%	1.09
158. GTWI	GTE North Incorporated	11,581	238	11,819	475,166	2.07	67%	1.04
159. LTNE	ALIANT COMMUNICATIONS CO.	7,354	371	7,725	316,289	2.04	66%	1.0[illegible]
160. WTWI	Wisconsin Bell	56,705	3,676	60,381	2,497,887	2.01	65%	1.01
161. Total		$ 8,132,713	$ 162,111	$ 8,294,824	224,698,998	$ 3.08	100%	$ 1.54

1996 Digital Electronic Switching - by Company

($000s)

			Expense	Investment	Ratio
1	SBFL[17]	BellSouth Telecommunications	77,794	1,359,421	5.72%
2.	SNCT	Southern New England Telephone	68,139	598,247	11.39%
3.	DSDE	Bell Atlantic	11,383	131,150	8.68%
4.	SWKS	Southwestern Bell Telephone Co	27,663	319,496	8.66%
5.	SWOK	Southwestern Bell Telephone Co	31,971	388,853	8.22%
6.	SWTX	Southwestern Bell Telephone Co	146,819	1,842,640	7.97%
7.	UTNJ	UTC OF NEW JERSEY, INC.	5,168	65,189	7.93%
8.	WTWI	Wisconsin Bell	35,777	451,617	7.92%
9.	SWAR	Southwestern Bell Telephone Co	22,083	279,082	7.91%
10.	CEIL	CENTEL OF ILLINOIS	8,672	110,412	7.85%
11.	LBIL	Illinois Bell	123,364	1,599,390	7.71%
12.	SWMO	Southwestern Bell Telephone Co	42,980	567,133	7.58%
13.	CEVA	CENTEL OF VIRGINIA	7,722	105,952	7.29%
14.	NBIN	Indiana Bell	38,4[illegible]2	529,798	7.26%
15.	NJNJ	Bell Atlantic	102,364	1,430,262	7.16%
16.	PAPA	Bell Atlantic	101,400	1,436,724	7.06%
17.	GTVA	GTVA+COVA	1,066	15,255	6.99%
18.	GCVA	GTVA+COVA	16,704	239,111	6.99%
19.	COVA	GTVA+COVA	15,638	223,856	6.99%
20.	MBMI	Michigan Bell	86,804	1,267,725	6.85%
21.	CVVA	Bell Atlantic	61,907	905,423	6.84%
22.	OBOH	Ohio Bell	68,621	1,017,857	6.74%
23.	LTNE	ALIANT COMMUNICATIONS CO.	8,347	126,244	6.61%
24.	CENC	Centel Telephone System	6,674	100,972	6.61%
25.	CWWV	Bell Atlantic	19,242	291,839	6.59%
26.	PRPR	Puerto Rico Telephone Company	25,016	339,548	6.42%
27.	PRCC	PRTC - CENTRAL	4,930	76,767	6.42%
28.	UTNC	CAROLINA TEL. AND TELGPH. CO.	26,763	417,705	6.41%
29.	CEFL	CENTEL OF FLORIDA	12,421	196,014	6.34%
30.	GCIN	GTIN+COIN	25,488	406,522	6.27%
31.	GTIN	GTIN+COIN	20,398	325,340	6.27%
32.	COIN	GTIN+COIN	5,090	81,182	6.27%
33.	SCLA	BellSouth Telecommunications	36,645	585,240	6.26%
34.	UTFL	UTC OF FLORIDA	34,523	556,795	6.20%
35.	GTFL	GTE FLORIDA, INC.	54,211	874,553	6.20%
36.	PTNV	Nevada Bell	5,775	93,408	6.18%
37.	UTPA	UTC OF PENNSYLVANIA	7,923	129,517	6.12%
38.	GTOR	GTE Northwest Incorporated	12,169	204,365	5.95%
39.	CENV	Centel Telephone System	16,061	270,252	5.94%
40.	PTCA	PACIFIC BELL	238,645	4,038,964	5.91%
41.	GTMI	GTE North Incorporated	14,361	243,799	5.89%

[17] SBFL - 1997 — 94,787 — 1,458,938 — 6.50%

			Expense	Investment	Ratio
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42.	CNTC	CBIN+CBKY+CBOH+CBTC	17,115	296,906	5.76%
43.	CBOH	CBIN+CBKY+CBOH+CBTC	13,772	238,920	5.76%
44.	CBKY	CBIN+CBKY+CBOH+CBTC	3,343	57,986	5.76%
45.	SCKY	BellSouth Telecommunications	19,866	345,725	5.75%
46.	CMMD	Bell Atlantic	60,789	1,058,122	5.74%
47.	SCTN	BellSouth Telecommunications	$ 44,000	$ 774,482	5.68%
48.	GTIA	GTIA+COIA+COSI	3,303	57,957	5.70%
49.	COIA	GTIA+COIA+COSI	2,255	39,572	5.70%
50.	GCIA	GTIA+COIA+COSI	7,636	134,005	5.70%
51.	COSI	GTIA+COIA+COSI	2,079	36,476	5.70%
52.	ATNC	Alltel Carolina - NC	4,221	74,182	5.69%
53.	TUWA	Tel Util of WA Inc	3,667	64,455	5.69%
54.	UTMN	UTC Minnesota	3,319	58,337	5.69%
55	ICOs	Independent companies	736,435	12,942,830	5.69%
56.	CETX	CENTEL OF TEXAS	4,408	77,475	5.69%
57.	CCPA	C-TEC Corporation - PA	5,664	99,536	5.69%
58.	ATOH	Alltel Ohio Inc	2,957	51,967	5.69%
59.	ATAK	Anchorage Tel Util	3,727	65,494	5.69%
60.	FRMN	Frontier-MN	2,566	45,105	5.69%
61.	NSNC	North State Tel Co	2,648	46,539	5.69%
62.	ROCA	Roseville Tel Co	2,451	43,080	5.69%
63.	SCTN	BellSouth Telecommunications	44,000	774,482	5.68%
64.	COMO	GTMO+COCM+COEM+COMO	7,161	126,912	5.64%
65.	GCMO	GTMO+COCM+COEM+COMO	12,686	224,822	5.64%
66.	COCM	GTMO+COCM+COEM+COMO	1,667	29,542	5.64%
67.	GTMO	GTMO+COCM+COEM+COMO	3,731	66,120	5.64%
68.	UTTX	UTC OF TEXAS, INC.	2,254	40,172	5.61%
69.	COAL	Contel of the South, Inc.	2,693	48,021	5.61%
70.	UTWA	UTOR+UTWA+UTNW	1,850	32,986	5.61%
71.	UTOR	UTOR+UTWA+UTNW	1,611	28,739	5.61%
72.	SUNW	UTOR+UTWA+UTNW	3,461	61,725	5.61%
73.	COAR	COAR+COSA+COAT	2,485	44,396	5.60%
74.	COSA	COAR+COSA+COAT	527	9,424	5.60%
75.	GCAR	COAR+COSA+COAT	3,012	53,820	5.60%
76.	GTTX	GTTX+COTX	46,017	823,164	5.59%
77.	COTX	GTTX+COTX	6,725	120,290	5.59%
78.	GCTX	GTTX+COTX	52,742	943,454	5.59%
79.	GTOH	GTE North Incorporated	18,183	326,362	5.57%
80.	GTPA	GTPA+COPA+COQS	12,070	218,401	5.53%
81.	COQS	GTPA+COPA+COQS	977	17,675	5.53%
82.	GCPA	GTPA+COPA+COQS	14,514	262,628	5.53%
83.	COPA	GTPA+COPA+COQS	1,467	26,552	5.53%
84.	SBGA	BellSouth Telecommunications	58,464	1,058,927	5.52%
85	GLIL	GTIL+GLIL+COIL	1,156	21,177	5.46%
86.	COIL	GTIL+GLIL+COIL	5,112	93,629	5.46%
87.	GCIL	GTIL+GLIL+COIL	23,991	439,365	5.46%
88.	GTIL	GTIL+GLIL+COIL	17,722	324,559	5.46%
89.	GTID	GTE Northwest Incorporated	3,324	61,512	5.40%

			Expense	Investment	Ratio
90.	GTAL	GTE South Incorporated	4,228	79,449	5.32%
91.	MSWY	U S WEST Communications	3,333	62,740	5.31%
92.	GTAR	GTE Southwest Incorporated	2,258	43,214	5.23%
93.	UTTN	UTTN+UTVA+UTIM	5,420	103,734	5.22%
94.	UTVA	UTTN+UTVA+UTIM	2,365	45,267	5.22%
95.	SUIM	UTTN+UTVA+UTIM	7,785	149,001	5.22%
96.	GTHI	GTE Hawaiian Telephone Company	21,159	407,940	5.19%
97.	SBNC	BellSouth Telecommunications	41,836	812,741	5.15%
98.	GTWA	GTWA+COWA	19,298	387,896	4.98%
99.	COWA	GTWA+COWA	2,274	45,701	4.98%
100.	GCWA	GTWA+COWA	21,572	433,597	4.98%
101.	SBSC	BellSouth Telecommunications	24,610	494,959	4.97%
102.	ALGC	ALLTEL GEORGIA COMMUNICATION C	5,714	116,098	4.92%
103.	SCAL	BellSouth Telecommunications	30,881	630,327	4.90%
104.	GCNC	GTNC+CONC	9,507	194,138	4.90%
105.	GTNC	GTNC+CONC	5,775	117,919	4.90%
106.	CONC	GTNC+CONC	3,732	76,219	4.90%
107.	CONM	GTNM+CONM	1,036	21,274	4.87%
108.	GCNM	GTNM+CONM	2,171	44,562	4.87%
109.	GTNM	GTNM+CONM	1,135	23,288	4.87%
110.	NYTC	NYNY+NYCT	194,770	4,028,701	4.83%
111.	GLMI	Contel of the South, Inc.	1,053	21,960	4.80%
112.	GTOK	GTE Southwest Incorporated	2,[illegible]12	54,539	4.79%
113.	CDDC	Bell Atlantic	11,055	231,825	4.77%
114.	SCMS	BellSouth Telecommunications	21,439	452,068	4.74%
115.	GTNE	GTE Midwest Incorporated	1,434	30,300	4.73%
116.	NWND	U S WEST Communications	3,765	79,910	4.71%
117.	GCCA	GTCA+COCA	90,476	1,923,743	4.70%
118.	GTCA	GTCA+COCA	83,455	1,774,461	4.70%
119.	COCA	GTCA+COCA	7,021	1[illegible]9,282	4.70%
120.	MSID	Boc	4,897	105,617	4.64%
121.	USID	PNID+MSID	5,026	109,744	4.58%
122.	PNOR	U S WEST Communications	14,367	316,992	4.53%
123.	ALPA	ALLTEL Pennsylvania	4,167	93,889	4.44%
124.	RTNY	Rochester Telephone Corporatio	10,251	234,327	4.37%
125.	COAZ	GTE California Incorporated	175	4,089	4.28%
126.	GTSC	GTSC+COSC	4,283	101,118	4.24%
127.	COSC	GTSC+COSC	543	12,818	4.24%
128.	GCSC	GTSC+COSC	4,826	113,936	4.24%
129.	GCTM	GTMN+COMN+COTM	5,380	129,039	4.17%
130.	COMN	GTMN+COMN+COTM	5,234	125,542	4.17%
131.	GTMN	GTMN+COMN+COTM	146	3,497	4.17%
132.	MSAZ	U S WEST Communications	25,245	605,998	4.17%
133.	NWIA	U S WEST Communications	12,128	293,245	4.14%
134.	CONV	GTE California Incorporated	644	15,671	4.11%
135.	GNCA	GTE Northwest Incorporated	274	6,685	4.10%
136.	GTWI	GTE North Incorporated	8,977	219,629	4.09%
137.	PNWA	U S WEST Communications	25,617	629,882	4.07%

			Expense	Investment	Ratio
138.	GTKY	GTKY+COKY	9,524	236,116	4.03%
139.	COKY	GTKY+COKY	2,163	53,632	4.03%
140.	GCKY	GTKY+COKY	11,687	289,748	4.03%
141.	UTMO	UTC OF MISSOURI	3,357	83,302	4.03%
142.	MSUT	U S WEST Communications	10,723	271,712	3.95%
143.	GLIN	Contel of the South, Inc.	193	4,923	3.92%
144.	UTOH	UTC OF OHIO	10,696	275,220	3.89%
145.	NWSD	U S WEST Communications	3,487	90,405	3.86%
146.	MSMT	U S WEST Communications	5,294	137,406	3.85%
147.	NEMA	New England Telephone	57,170	1,485,614	3.85%
148.	NWMN	U S WEST Communications	23,001	637,382	3.61%
149.	MSNM	U S WEST Communications	8,351	237,769	3.51%
150.	NERI	New England Telephone	7,154	206,725	3.46%
151.	ALWR	Western Reserve Tel	3,170	96,165	3.30%
152.	MSCO	U S WEST Communications	21,255	646,577	3.29%
153.	UTIN	UTC OF INDIANA, INC.	3,731	116,825	3.19%
154.	PNID	Boc	129	4,127	3.13%
155.	NWNE	U S WEST Communications	6,299	211,170	2.98%
156.	NEME	New England Telephone	8,300	281,789	2.95%
157.	CTTR	CTRH+CTUP+CTWC+CTNY	4,049	144,998	2.79%
158.	GTMC	Micronesian Telecommunications	427	15,782	2.71%
159.	NEVT	New England Telephone	3,819	151,488	2.52%
160	NENH	New England Telephone	6,622	268,389	2.47%
161	Total		$ 3,904,956	$ 68,512,978	5.70%

1996 Circuit Equipment - by Company
($000s)

			Expense	Investment	Ratio
1.	SBFL*	BellSouth Telecommunications	44,597	2,272,447	1.96%
2.	PRPR	Puerto Rico Telephone Company	15,313	254,771	6.01%
3.	PRCC	PRTC - CENTRAL	3,018	50,207	6.01%
4.	LTNE	ALIANT COMMUNICATIONS CO.	2,193	47,740	4.59%
5.	CEFL	CENTEL OF FLORIDA	4,790	104,348	4.59%
6.	GTMC	Micronesian Telecommunications	134	3,153	4.25%
7.	CNTC	CBIN+CBKY+CBOH+CBTC	10,574	267,418	3.95%
8.	CBOH	CBIN+CBKY+CBOH+CBTC	8,509	215,191	3.95%
9.	CBKY	CBIN+CBKY+CBOH+CBTC	2,065	52,227	3.95%
10.	SWOK	Southwestern Bell Telephone Co	15,374	487,106	3.16%
11.	PTNV	Nevada Bell	2,077	68,827	3.02%
12.	CEIL	CENTEL OF ILLINOIS	1,374	45,794	3.00%
13.	UTPA	UTC OF PENNSYLVANIA	2,893	101,161	2.86%
14.	NYTC	NYNY+NYCT	102,968	3,731,749	2.76%
15.	UTFL	UTC OF FLORIDA	11,114	411,790	2.70%
16.	UTIN	UTC OF INDIANA, INC.	1,426	53,505	2.67%
17.	NERI	New England Telephone	4,419	167,057	2.65%
18.	SNCT	Southern New England Telephone	22,097	844,039	2.62%
19.	UTTX	UTC OF TEXAS, INC.	1,877	72,615	2.58%
20.	ALWR	Western Reserve Tel	979	38,110	2.57%
21.	SWAR	Southwestern Bell Telephone Co	9,366	372,916	2.51%
22.	CMMD	Bell Atlantic	28,580	1,140,652	2.51%
23.	SBNC	BellSouth Telecommunications	22,930	933,891	2.46%
24.	NJNJ	Bell Atlantic	45,174	1,876,302	2.41%
25.	UTOH	UTC OF OHIO	3,529	146,634	2.41%
26.	DSDE	Bell Atlantic	4,199	176,133	2.38%
27.	LBIL	Illinois Bell	36,770	1,545,085	2.38%
28.	UTMO	UTC OF MISSOURI	1,641	69,248	2.37%
29.	NEMA	New England Telephone	36,560	1,547,919	2.36%
30.	MSAZ	U S WEST Communications	22,348	958,325	2.33%
31.	RTNY	Rochester Telephone Corporatio	2,168	93,281	2.32%
32.	SCLA	BellSouth Telecommunications	19,126	828,274	2.31%
33.	PTCA	PACIFIC BELL	101,039	4,385,338	2.30%
34.	SBGA	BellSouth Telecommunications	39,473	1,722,696	2.29%
35.	SWTX	Southwestern Bell Telephone Co	74,971	3,352,612	2.24%
36.	UTNJ	UTC OF NEW JERSEY, INC.	1,016	45,548	2.23%
37.	PNOR	U S WEST Communications	10,309	462,577	2.23%
38.	WTWI	Wisconsin Bell	10,926	490,310	2.23%
39.	NENH	New England Telephone	6,646	298,457	2.23%
40.	SWMO	Southwestern Bell Telephone Co	19,641	897,016	2.19%
41.	ALPA	ALLTEL Pennsylvania	1,261	57,989	2.17%

*	SBFL - 1997	46,898	2,484,330	1.89%

Ex. ___ (GCG-14)

			Expense	Investment	Ratio
42	MSMT	U S WEST Communications	2,786	129,017	2.16%
43	UTWA	UTOR+UTWA+UTNW	472	22,271	2.12%
44	SUNW	UTOR+UTWA+UTNW	884	41,675	2.12%
45	UTOR	UTOR+UTWA+UTNW	412	19,404	2.12%
46	NWMN	U S WEST Communications	14,430	680,314	2.12%
47	NWND	U S WEST Communications	1,770	83,795	2.11%
48	MSWY	U S WEST Communications	2,578	122,631	2.10%
49	PAPA	Bell Atlantic	39,213	1,872,872	2.09%
50	SWKS	Southwestern Bell Telephone Co	9,712	466,519	2.08%
51	NBIN	Indiana Bell	11,396	552,810	2.06%
52	NWSD	U S WEST Communications	1,986	96,620	2.06%
53	CVVA	Bell Atlantic	27,073	1,319,060	2.05%
54	NWNE	U S WEST Communications	5,503	269,488	2.04%
55	GNCA	GTE Northwest Incorporated	114	5,666	2.01%
56	CEVA	CENTEL OF VIRGINIA	1,547	77,008	2.01%
57	CENC	Centel Telephone System	1,243	62,003	2.00%
58	SCAL	BellSouth Telecommunications	14,822	742,314	2.00%
59	MSCO	U S WEST Communications	21,688	1,087,190	1.99%
60	SCKY	BellSouth Telecommunications	8,[illegible]33	452,172	1.97%
61	SCTN	BellSouth Telecommunications	$ 20,522	$ 1,070,351	1.92%
62	CDDC	Bell Atlantic	5,308	272,026	1.95%
63	SBSC	BellSouth Telecommunications	11,027	570,642	1.93%
64	SCTN	BellSouth Telecommunications	20,522	1,070,351	1.92%
65	MBMI	Michigan Bell	30,994	1,630,892	1.90%
66	MSUT	U S WEST Communications	6,928	370,822	1.87%
67	CWWV	Bell Atlantic	5,471	303,432	1.80%
68	SCMS	BellSouth Telecommunications	10,027	565,325	1.77%
69	PNWA	U S WEST Communications	16,699	960,679	1.74%
70	MSNM	U S WEST Communications	5,457	324,331	1.68%
71	NEME	New England Telephone	4,684	278,676	1.68%
72	CTTR	CTRH+CTUP+CTWC+CTNY	979	59,112	1.66%
73	CCPA	C-TEC Corporation - PA	1,115	68,576	1.63%
74	UTMN	UTC Minnesota	654	40,191	1.63%
75	ATNC	Alltel Carolina - NC	831	51,108	1.63%
76	TUWA	Tel Util of WA Inc	722	44,407	1.63%
77	ICOs	Independent companies	145,022	8,917,032	1.63%
78	ROCA	Roseville Tel Co	483	29,680	1.63%
79	CETX	CENTEL OF TEXAS	868	53,377	1.63%
80	ATOH	Allte! Ohio Inc	582	35,803	1.63%
81	ATAK	Anchorage Tel Util	734	45,122	1.63%
82	FRMN	Frontier-MN	505	31,075	1.63%
83	NSNC	North State Tel Co	521	32,063	1.63%
84	NEVT	New England Telephone	2,345	144,352	1.62%
85	GTHI	GTE Hawaiian Telephone Company	4,965	305,936	1.62%
86	OBOH	Ohio Bell	19,079	1,192,494	1.60%
87	NWIA	U S WEST Communications	5,580	350,201	1.59%
88	MSID	Boc	2,662	168,326	1.58%
89	GLIN	Contel of the South, Inc.	34	2,189	1.55%
90	USID	PNID+MSID	2,781	179,658	1.55%

			Expense	Investment	Ratio
91.	CENV	Centel Telephone System	1,577	102,523	1.54%
92.	COMN	GTMN+COMN+COTM	928	63,770	1.46%
93.	GTMN	GTMN+COMN+COTM	26	1,776	1.46%
94.	GCTM	GTMN+COMN+COTM	954	65,546	1.46%
95.	GCIN	GTIN+COIN	3,892	268,582	1.45%
96.	GTIN	GTIN+COIN	3,115	214,946	1.45%
97.	COIN	GTIN+COIN	777	53,636	1.45%
98.	UTNC	CAROLINA TEL. AND TELGPH. CO.	4,713	327,517	1.44%
99.	GTPA	GTPA+COPA+COQS	1,739	125,922	1.38%
100.	COPA	GTPA+COPA+COQS	211	15,309	1.38%
101.	COQS	GTPA+COPA+COQS	141	10,191	1.38%
102.	GCPA	GTPA+COPA+COQS	2,091	151,421	1.38%
103.	UTTN	UTTN+UTVA+UTIM	800	60,398	1.32%
104.	SUIM	UTTN+UTVA+UTIM	1,149	86,754	1.32%
105.	UTVA	UTTN+UTVA+UTIM	349	26,356	1.32%
106.	ALGC	ALLTEL GEORGIA COMMUNICATION CL	1,700	133,831	1.27%
107.	COAL	Contel of the South, Inc.	340	29,221	1.16%
108.	GCAR	COAR+COSA+COAT	357	30,706	1.16%
109.	COAR	COAR+COSA+COAT	294	25,329	1.16%
110.	COSA	COAR+COSA+COAT	63	5,377	1.16%
111.	GTAL	GTE South Incorporated	648	55,916	1.16%
112.	GTWA	GTWA+COWA	3,065	264,941	1.16%
113.	COWA	GTWA+COWA	361	31,215	1.16%
114.	GCWA	GTWA+COWA	3,426	296,156	1.16%
115.	COMO	GTMO+COCM+COEM+COMO	721	63,090	1.14%
116.	GCMO	GTMO+COCM+COEM+COMO	1,278	111,762	1.14%
117.	COCM	GTMO+COCM+COEM+COMO	168	14,686	1.14%
118.	GTMO	GTMO+COCM+COEM+COMO	376	32,869	1.14%
119.	GCIA	GTIA+COIA+COSI	940	83,604	1.12%
120.	COSI	GTIA+COIA+COSI	256	22,757	1.12%
121.	GTIA	GTIA+COIA+COSI	407	36,159	1.12%
122.	COIA	GTIA+COIA+COSI	278	24,688	1.12%
123.	GTOR	GTE Northwest Incorporated	1,466	132,282	1.11%
124.	PNID	Boc	119	11,332	1.05%
125.	GTFL	GTE FLORIDA, INC.	5,222	510,908	1.02%
126.	GLIL	GTIL+GLIL+COIL	118	11,601	1.02%
127.	GCIL	GTIL+GLIL+COIL	2,455	240,678	1.02%
128.	GTIL	GTIL+GLIL+COIL	1,814	177,789	1.02%
129.	COIL	GTIL+GLIL+COIL	523	51,288	1.02%
130.	CONV	GTE California Incorporated	82	8,048	1.02%
131.	GLMI	Contel of the South, Inc.	130	13,270	0.98%
132.	GTNM	GTNM+CONM	108	11,173	0.97%
133.	CONM	GTNM+CONM	99	10,207	0.97%
134.	GCNM	GTNM+CONM	207	21,380	0.97%
135.	GTOH	GTE North Incorporated	2,395	252,265	0.95%
136.	GTTX	GTTX+COTX	4,845	512,978	0.94%
137.	COTX	GTTX+COTX	708	74,962	0.94%

			Expense	Investment	Ratio
138.	GCTX	GTTX+COTX	5,553	587,940	0.94%
139.	GTWI	GTE North Incorporated	1,488	167,757	0.89%
140.	GTSC	GTSC+COSC	402	46,470	0.87%
141.	COSC	GTSC+COSC	51	5,891	0.87%
142.	GCSC	GTSC+COSC	453	52,360	0.87%
143.	GTOK	GTE Southwest Incorporated	247	29,257	0.84%
144.	GTKY	GTKY+COKY	1,218	150,937	0.81%
145.	COKY	GTKY+COKY	277	34,284	0.81%
146.	GCKY	GTKY+COKY	1,495	185,221	0.81%
147.	GTID	GTE Northwest Incorporated	458	57,204	0.80%
148.	GTMI	GTE North Incorporated	1,943	250,715	0.77%
149.	GTNE	GTE Midwest Incorporated	136	18,257	0.74%
150.	COAZ	GTE California Incorporated	19	2,624	0.72%
151.	GTAR	GTE Southwest Incorporated	221	30,598	0.72%
152.	GTNC	GTNC+CONC	523	77,858	0.67%
153.	GCNC	GTNC+CONC	861	128,182	0.67%
154.	CONC	GTNC+CONC	338	50,324	0.67%
155.	GTVA	GTVA+COVA	61	9,868	0.62%
156.	GCVA	GTVA+COVA	963	154,672	0.62%
157.	COVA	GTVA+COVA	902	144,804	0.62%
158.	GTCA	GTCA+COCA	5,581	1,173,127	0.48%
159.	GCCA	GTCA+COCA	6,051	1,271,820	0.48%
160.	COCA	GTCA+COCA	470	98,693	0.48%
161.	Total		$ 1,316,718	$ 66,497,141	1.98%

Exhibit___(GCG-15)
Sensitive Input Group XIII: Cost of Capital

EXHIBIT __ (GCG-15)
SENSITIVE INPUT GROUP XIII: COST OF CAPITAL

This Sensitive Input Group encompasses the following related user-adjustable inputs:

- B-178 Cost of Capital:
  - Cost of Debt
  - Debt Percent
  - Cost of Equity
  - Weighted Average Cost of Capital

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio, which was provided by MCI and AT&T in discovery in this case.

AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

For each of the inputs required by HAI R5.0a for B-178, we have reflected the position of the BST witness that deals with the cost of capital and rate of return issues. These recommendations are as follows:

Input B-178: Cost of Capital

	Default[9]	BST Position
Cost of Debt	6.65%	6.50%
Debt Percent	38.50%	40.00%
Cost of Equity	9.65%	14.40%
Total Weighted Cost of Capital (After Tax)	8.44%	11.24%

[9] These values for cost of capital represent those filed by Mr. Wood in Florida.

Exhibit___(GCG-16)
Sensitive Input Group XIV: Depreciation

EXHIBIT __ (GCG-16)
SENSITIVE INPUT GROUP XIV: DEPRECIATION

This Sensitive Input Group encompasses the following related user-adjustable inputs:

- B-179 Depreciation Lives by Plant Type
- B-179 Net Salvage Percentage by Plant Type

A description of each of these UAIs can be found in the HAI Model Release 5.0a Inputs Portfolio, which was provided by MCI and AT&T in discovery in this case.

AVAILABILITY OF COST AND OTHER FORWARD-LOOKING DATA SPECIFIC TO BELLSOUTH-FLORIDA

For the specific inputs required by HAI R5.0a for B-179, depreciation lives and net salvage percentages by plant type, we have reflected the BST position on this issue. BST's position is as follows:

Input B-179: Depreciation Lives

	Default[10]	BST Position
1. Motor Vehicles	7.50	8.00
2. Garage Work Equip	12.00	12.00
3. Other Work Equip	15.00	15.00
4. Buildings	5.00	45.00
5. Furniture	11.00	15.00
6. Office Support Equipment	10.50	11.50
7. Corp Comm Equipment	7.00	7.00
8. Computers	4.40	5.00
9. Digital Electronic Switching	16.00	10.00
10. Operator Systems	10.00	10.00
11. Digital Circuit Equipment	10.50	9.00
12. Public Telephone Terminal Equipment	7.00	6.00
13. Poles	35.00	34.00
14. Aerial Cable - Metallic	18.00	14.00
15. Aerial Cable - Non-Metallic	25.00	20.00
16. Underground Cable - Metallic	23 00	12.00
17. Underground Cable - Non-Metallic	25.00	20.00
18. Buried cable - Metallic	18.00	14.00
19. Buried cable - Non-Metallic	25.00	20.00
20. Introbuilding Network-Metal	20.00	20.00
21. Introbuilding Network-Non-Metallic	20.00	20.00
22. Conduit Systems	55.00	55.00

[10] These values for depreciation lives represent those filed by Mr. Wood in Florida.

Input B-179: Net Salvage Percentage

		Default[1]	BST Position
		%	%
1.	Motor Vehicles	10.00	16.00
2.	Garage Work Equipment	0.00	0.00
3.	Other Work Equipment	1.00	0.00
4.	Buildings	4.00	0.00
5.	Furniture	14.00	10.00
6.	Office Support Equipment	10.00	5.00
7.	Corp Comm Equipment	10.00	10.00
8.	Computers	0.00	0.00
9.	Digital Electronic Switch	0.00	0.00
10.	Operator Systems	0.00	0.00
11.	Digital Circuit Equipment	0.00	0.00
12.	Public Telephone Terminal Equipment	10.00	5.00
13.	Poles	(75.00)	(60.00)
14.	Aerial Cable - Metallic	(11.00)	(14.00)
15.	Aerial Cable - Non-Metallic	(11.00)	(14.00)
16.	Underground Cable - Metallic	(7.00)	(8.00)
17.	Underground Cable - Non-Metallic	(6.00)	(8.00)
18.	Buried Cable - Metallic	(8.00)	(7.00)
19.	Buried Cable - Non-Metallic	0.00	(7.00)
20.	Introbuilding Network-Metallic	(12.00)	(10.00)
21.	Introbuilding Network-Non-Metallic	(12.00)	(10.00)
22.	Conduit Systems	(7.00)	(10.00)

[1] These values for net salvage represent those filed by Mr. Wood in Florida.

Exhibit___(GCG-17)
Sensitive Input Group XV: Universal Service Support

FL (FL50a) · Wood Run WC

Florida
Southern Bell-FL

% of Loop Assigned for USF	100%
% of Port Assigned for USF	100%
Bus/Res local DEM usage ratio:	110%
Monthly Support Benchmark	

Entry of $0.00 Indicates that Line Type is Not to be Supported

Primary residence	Secondary residence	Single line business	Multiline business	Public
$31.00	$0.00	$51.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation
ARCHFLMA	$ 40.20	$ 40.16	$ 40.54	$ 261,623	$ 0	$ 0	$ 0	$ 0	$ 261,623	$ 65,406	$ 196,217
BCRTFLBT	$ 11.86	$ 11.72	$ 11.96	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BCRTFLMA	$ 11.94	$ 11.84	$ 12.08	$ 0	$ 0	$ 0	[illegible]	$ 0	$ 0	$ 0	$ 0
BCRTFLSA	$ 13.49	$ 13.44	$ 13.70	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BCPIFLMA	$ 29.81	$ 29.81	$ 30.26	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BKVLFLJF	$ 23.72	$ 23.65	$ 71.92	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BLDWFLMA	$ 36.64	$ 36.58	$ 36.99	$ 92,648	$ 0	$ 0	$ 0	$ 0	$ 92,648	$ 23,162	$ 69,486
BLGLFLMA	$ 19.40	$ 19.37	$ 19.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BNNLFLMA	$ 41.79	$ 41.75	$ 42.10	$ 415,680	$ 0	$ 0	$ 0	$ 0	$ 415,680	$ 103,920	$ 311,760
BRSNFLMA	$ 48.70	$ 48.68	$ 49.12	$ 427,535	$ 0	$ 0	$ 0	$ 0	$ 427,535	$ 106,884	$ 320,651
BYBHFLMA	$ 13.65	$ 13.60	$ 13.84	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLAF	$ 20.78	$ 20.38	$ 20.78	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLMA	$ 12.33	$ 12.28	$ 12.51	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CDKYFLMA	$ 66.59	$ 66.4[illegible]	$ 68.21	$ 249,044	$ 0	$ 1,829	$ 0	$ 0	$ 250,873	$ 62,718	$ 188,155
CFLDFLMA	$ 44.77	$ 44.73	$ 45.05	$ 652,807	$ 0	$ 0	$ 0	$ 0	$ 652,807	$ 163,202	$ 489,605
CHPLFLJA	$ 35.91	$ 35.86	$ 36.19	$ 250,562	$ 0	$ 0	$ 0	$ 0	$ 250,562	$ 62,641	$ 187,922
CNTMFLLE	$ 23.78	$ 23.72	$ 24.00	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
COCOFLJA	$ 16.56	$ 16.52	$ 16.77	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
COCOFLME	$ 15.67	$ 15.60	$ 15.90	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CSCYFLBA	$ 69.16	$ 69.16	$ 69.68	$ 776,681	$ 0	$ 0	$ 0	$ 0	$ 776,681	$ 194,170	$ 582,511
DBRYFLDL	$ 16.38	$ 16.35	$ 16.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DBRYFLMA	$ 17.89	$ 17.84	$ 18.13	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DELDFLMA	$ 16.48	$ 16.41	$ 16.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLBHFLAP	$ 12.18	$ 12.14	$ 12.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLBHFLMA	$ 11.69	$ 11.62	$ 11.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLSPFLMA	$ 26.07	$ 26.02	$ 26.38	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
[illegible]LNFLWM	$ 33.15	$ 33.11	$ 33.43	$ 215,702	$ 0	$ 0	$ 0	$ 0	$ 215,702	$ 53,926	$ 161,777
DRBHFLMA	$ 12.47	$ 12.39	$ 12.64	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLFN	$ 13.31	$ 13.23	$ 13.56	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLMA	$ 13.02	$ 12.93	$ 13.17	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLOB	$ 18.29	$ 18.23	$ 18.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLOS	$ 13.98	$ 13.95	$ 14.25	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLPO	$ 14.22	$ 14.18	$ 14.44	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLBG	$ 14.20	$ 14.14	$ 14.39	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLBI	$ 12.97	$ 12.92	$ 13.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EORNFLMA	$ 30.34	$ 30.28	$ 30.63	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FLBHFLMA	$ 22.43	$ 22.38	$ 22.72	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FRBHFLFP	$ 18.53	$ 18.47	$ 18.73	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTGRFLMA	$ 53.95	$ 53.93	$ 55.11	$ 117,234	$ 0	$ 84	$ 0	$ 0	$ 117,318	$ 29,330	$ 87,989
FTLDFLCR	$ 10.85	$ 10.76	$ 11.00	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLCY	$ 10.45	$ 10.33	$ 10.56	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLJA	$ 12.97	$ 12.91	$ 13.16	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLMR	$ 11.34	$ 11.23	$ 11.49	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLOA	$ 11.48	$ 11.41	$ 11.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLPL	$ 12.49	$ 12.40	$ 12.64	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSG	$ 11.96	$ 11.73	$ 11.99	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSU	$ 11.55	$ 11.49	$ 11.76	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLWN	$ 14.40	$ 14.34	$ 14.60	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTPRFLMA	$ 17.82	$ 17.75	$ 18.00	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Line Type	Support Grand Totals
Primary residence lines	$13,044,628
Secondary residence lines	$0
Single line business lines	$18,071
Multiline business lines	$0
Public lines	$0
All switched lines	$13,062,698

FL (FL50a) - Wood Run WC

Florida
Southern Bell-FL

% of Loop Assigned for USF	100%
% of Port Assigned for USF	100%
Bus/Res local DEM usage ratio:	110%
Monthly Support Benchmark:	

Entry of $0.00 indicates that Line Type is Not to be Supported

$31.00	$0.00	$51.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
GCSPFLCN	$ 27.62	$ 27.56	$ 27.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
GCVLFLMA	$ 50.14	$ 50.10	$ 50.68	$ 641,026	$ 0	$ 0	$ 0	$ 0	$ 641,026	$ 160,256	$ 480,769		
GENVFLMA	$ 38.87	$ 38.81	$ 39.26	$ 172,533	$ 0	$ 0	$ 0	$ 0	$ 172,533	$ 43,133	$ 129,400		
GLBRFLMC	$ 17.49	$ 17.43	$ 17.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
GSVLFLMA	$ 15.42	$ 15.35	$ 15.60	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
GSVLFLNW	$ 15.16	$ 15.09	$ 15.35	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HAVNFLMA	$ 36.70	$ 36.66	$ 37.30	$ 293,519	$ 0	$ 0	$ 0	$ 0	$ 293,519	$ 73,380	$ 220,140		
HBSDFLMA	$ 18.45	$ 18.41	$ 18.71	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLHVFLMA	$ 26.39	$ 26.33	$ 26.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLHA	$ 10.26	$ 10.20	$ 10.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLMA	$ 11.50	$ 11.42	$ 11.68	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLPE	$ 13.17	$ 13.11	$ 13.37	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLWH	$ 12.43	$ 12.38	$ 12.61	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HMSTFLHM	$ 18.29	$ 18.22	$ 18.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HMSTFLNA	$ 19.62	$ 19.54	$ 19.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HTISFLMA	$ 15.65	$ 15.59	$ 15.86	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HWTHFLMA	$ 46.04	$ 46.02	$ 46.40	$ 670,669	$ 0	$ 0	$ 0	$ 0	$ 670,669	$ 167,667	$ 503,001		
ISLMFLMA	$ 22.59	$ 22.45	$ 22.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JAY FLMA	$ 56.97	$ 56.92	$ 57.34	$ 739,950	$ 0	$ 4,469	$ 0	$ 0	$ 744,419	$ 186,105	$ 558,314		
JCBHFLAB	$ 16.22	$ 16.19	$ 16.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCBHFLMA	$ 13.37	$ 13.31	$ 13.56	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCBHFLSP	$ 17.68	$ 17.61	$ 17.99	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLAR	$ 12.95	$ 12.88	$ 13.13	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLBW	$ 15.02	$ 14.95	$ 15.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLCL	$ 11.00	$ 10.88	$ 11.11	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLFC	$ 12.67	$ 12.62	$ 12.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLIA	$ 21.31	$ 21.06	$ 21.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLJT	$ 8.33	$ 8.07	$ 8.33	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLLF	$ 16.39	$ 16.34	$ 16.59	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLNO	$ 15.34	$ 15.26	$ 15.50	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLOW	$ 18.77	$ 18.70	$ 18.95	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLRV	$ 12.71	$ 12.63	$ 12.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLSJ	$ 12.10	$ 12.00	$ 12.24	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLSM	$ 10.74	$ 10.61	$ 10.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLWC	$ 15.04	$ 15.00	$ 15.25	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JPTRFLMA	$ 14.01	$ 13.94	$ 14.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYHGFLMA	$ 30.75	$ 30.71	$ 31.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYLRFLLS	$ 16.60	$ 16.52	$ 16.81	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYLRFLMA	$ 18.59	$ 18.53	$ 18.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYWSFLMA	$ 13.22	$ 13.13	$ 13.43	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
LKCYFLMA	$ 30.57	$ 30.52	$ 30.81	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
LKMRFLMA	$ 15.44	$ 15.31	$ 15.58	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
LYHNFLOH	$ 20.10	$ 20.06	$ 20.33	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MCNPFLMA	$ 58.34	$ 58.32	$ 58.93	$ 465,265	$ 0	$ 564	$ 0	$ 0	$ 465,829	$ 116,457	$ 349,372		
MDBGFLPM	$ 26.94	$ 26.91	$ 27.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLAE	$ 10.21	$ 10.11	$ 10.36	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLAL	$ 11.00	$ 10.89	$ 11.14	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLAP	$ 12.66	$ 12.46	$ 12.71	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLBA	$ 10.41	$ 10.33	$ 10.58	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		

FL (FL50a) - Wood Run WC

Florida
Southern Bell-FL

% of Loop Assigned for USF:	100%					
% of Port Assigned for USF:	100%					
Bus/Res local DEM usage ratio:	110%	Entry of $0.00 indicates that Line Type is Not to be Supported				
Monthly Support Benchmark:		$31.00	$0.00	$31.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Bus ess usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
MIAMFLBC	$ 9.96	$ 9.85	$ 10.10	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLBR	$ 8.81	$ 8.73	$ 8.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLCA	$ 13.24	$ 13.19	$ 13.45	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLFL	$ 9.87	$ 9.80	$ 10.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLGR	$ 7.58	$ 7.39	$ 7.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLHL	$ 12.39	$ 12.31	$ 12.57	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLIC	$ 11.05	$ 11.00	$ 11.25	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLKE	$ 10.22	$ 10.13	$ 10.42	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLME	$ 9.96	$ 9.84	$ 10.08	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLNM	$ 10.36	$ 10.29	$ 10.55	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLNS	$ 11.53	$ 11.45	$ 11.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLOL	$ 12.20	$ 12.11	$ 12.35	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLPB	$ 11.05	$ 10.95	$ 11.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLPL	$ 10.53	$ 10.31	$ 10.55	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLRR	$ 12.27	$ 12.17	$ 12.41	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLSH	$ 11.06	$ 10.97	$ 11.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLSO	$ 12.03	$ 11.98	$ 12.20	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLWD	$ 11.44	$ 11.40	$ 11.67	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLWM	$ 10.71	$ 10.61	$ 10.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MICCFLBB	$ 24.16	$ 24.15	$ 24.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MLBRFLMA	$ 16.16	$ 16.09	$ 16.34	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MLTNFLRA	$ 22.59	$ 22.53	$ 22.78	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNDRFLAV	$ 10.62	$ 10.51	$ 10.79	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNDRFLLO	$ 14.78	$ 14.22	$ 14.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNDRFLLW	$ 24.28	$ 24.24	$ 24.63	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNSNFLMA	$ 115.81	$ 115.71	$ 116.83	$ 434,929	$ 0	$ 3,378	$ 0	$ 0	$ 438,307	$ 109,577	$ 328,730		
MRTHFLVE	$ 19.96	$ 19.88	$ 20.19	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MTVLFLMA	$ 44.78	$ 44.70	$ 45.26	$ 254,383	$ 0	$ 0	$ 0	$ 0	$ 254,383	$ 63,596	$ 190,787		
NDADFLAC	$ 11.23	$ 11.16	$ 11.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLBR	$ 12.70	$ 12.63	$ 12.87	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLGG	$ 11.09	$ 11.01	$ 11.26	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLOL	$ 10.34	$ 10.26	$ 10.51	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NKLRFLMA	$ 24.94	$ 24.81	$ 25.31	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NSBHFLMA	$ 17.00	$ 16.95	$ 17.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NWBYFLMA	$ 41.84	$ 41.82	$ 42.23	$ 325,907	$ 0	$ 0	$ 0	$ 0	$ 325,907	$ 81,477	$ 244,430		
OKHLFLMA	$ 43.09	$ 43.05	$ 43.56	$ 294,180	$ 0	$ 0	$ 0	$ 0	$ 294,180	$ 73,545	$ 220,635		
OLTWFLLN	$ 58.63	$ 58.63	$ 59.05	$ 787,682	$ 0	$ 0	$ 0	$ 0	$ 787,682	$ 196,920	$ 590,761		
ORLDFLAP	$ 14.81	$ 14.76	$ 15.02	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLCL	$ 11.94	$ 11.84	$ 12.08	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLMA	$ 10.61	$ 10.47	$ 10.71	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLPC	$ 13.53	$ 13.43	$ 13.67	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLPH	$ 13.69	$ 13.60	$ 13.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLSA	$ 13.85	$ 13.74	$ 13.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORPKFLMA	$ 14.91	$ 14.84	$ 15.10	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORPKFLRW	$ 14.65	$ 14.60	$ 14.87	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
OVIDFLCA	$ 18.69	$ 18.64	$ 18.89	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PACEFLPV	$ 23.90	$ 23.86	$ 24.14	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PAHKFLMA	$ 20.56	$ 20.48	$ 20.84	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PCBHFLNT	$ 16.26	$ 16.20	$ 16.45	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		

FL (FL50a) - Wood Run WC

Florida
Southern Bell-FL

% of Loop Assigned for USF	100%					
% of Port Assigned for USF	100%					
Bus/Res local DEM usage ratio:	110%	Entry of $0.00 indicates that Line Type is Not to be Supported				
Monthly Support Benchmark:		$31.00	$0.00	$51.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
PLCSFLMA	$ 16.76	$ 16.73	$ 16.99	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PLTKFLMA	$ 25.16	$ 25.11	$ 25.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLCS	$ 12.23	$ 12.16	$ 12.41	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLFE	$ 11.84	$ 11.86	$ 12.10	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLMA	$ 12.01	$ 11.94	$ 12.19	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLTA	$ 11.63	$ 11.59	$ 11.84	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMPKFLMA	$ 38.95	$ 38.95	$ 39.37	$ 214,843	$ 0	$ 0	$ 0	$ 0	$ 214,843	$ 53,711	$ 161,132		
PNCYFLCA	$ 19.30	$ 19.28	$ 19.57	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNCYFLMA	$ 14.13	$ 14.05	$ 14.29	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLBL	$ 12.31	$ 12.22	$ 12.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLFP	$ 14.37	$ 14.29	$ 14.54	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLHC	$ 20.97	$ 20.93	$ 21.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLPB	$ 24.36	$ 24.32	$ 24.64	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLWA	$ 16.04	$ 16.00	$ 16.25	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNVDFLMA	$ 16.81	$ 16.77	$ 17.03	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PRRNFLMA	$ 14.96	$ 14.88	$ 15.13	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PRSNFLFD	$ 48.40	$ 48.31	$ 48.69	$ 364,613	$ 0	$ 0	$ 0	$ 0	$ 364,613	$ 91,153	$ 273,459		
PTSLFLMA	$ 17.53	$ 17.49	$ 17.74	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PTSLFLSO	$ 14.98	$ 14.92	$ 15.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SBSTFLFE	$ 53.21	$ 53.11	$ 53.56	$ 232,269	$ 0	$ 755	$ 0	$ 0	$ 233,024	$ 58,256	$ 174,768		
SBSTFLMA	$ 19.38	$ 19.34	$ 19.60	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SGKYFLMA	$ 30.89	$ 30.85	$ 31.38	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SNFRFLMA	$ 16.60	$ 16.54	$ 16.79	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STAGFLBS	$ 17.14	$ 17.10	$ 17.38	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STAGFLMA	$ 19.75	$ 19.67	$ 19.91	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STAGFLSH	$ 16.45	$ 16.38	$ 16.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STRTFLMA	$ 16.40	$ 16.32	$ 16.57	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SWBSFLCC	$ 96.02	$ 96.00	$ 96.62	$ 798,376	$ 0	$ 1,573	$ 0	$ 0	$ 799,950	$ 199,987	$ 599,962		
TRENFLMA	$ 48.90	$ 48.85	$ 47.18	$ 643,530	$ 0	$ 0	$ 0	$ 0	$ 643,530	$ 160,882	$ 482,647		
TTVLFLMA	$ 16.70	$ 16.64	$ 16.89	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
VERNFLMA	$ 71.08	$ 71.08	$ 71.61	$ 773,279	$ 0	$ 0	$ 0	$ 0	$ 773,279	$ 193,320	$ 579,960		
VRBHFLBE	$ 14.72	$ 14.67	$ 14.94	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
VRBHFLMA	$ 15.91	$ 15.85	$ 16.09	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WELKFLMA	$ 39.65	$ 39.65	$ 40.19	$ 232,723	$ 0	$ 0	$ 0	$ 0	$ 232,723	$ 58,181	$ 174,542		
WPBHFLAN	$ 10.27	$ 10.15	$ 10.39	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGA	$ 13.76	$ 13.70	$ 13.96	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGR	$ 13.85	$ 13.77	$ 14.02	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLHH	$ 12.57	$ 12.48	$ 12.73	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLLE	$ 11.86	$ 11.80	$ 12.04	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRB	$ 12.27	$ 12.17	$ 12.42	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRP	$ 18.59	$ 18.53	$ 18.78	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WWSPFLHI	$ 19.77	$ 19.72	$ 20.01	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WWSPFLSH	$ 16.76	$ 16.73	$ 16.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
YNFNFLMA	$ 53.94	$ 53.88	$ 54.57	$ 579,630	$ 0	$ 2,110	$ 0	$ 0	$ 581,740	$ 145,435	$ 436,305		
YNTWFLMA	$ 57.29	$ 57.23	$ 57.68	$ 572,900	$ 0	$ 3,309	$ 0	$ 0	$ 576,209	$ 144,052	$ 432,157		
YULEFLMA	$ 33.73	$ 33.72	$ 34.09	$ 92,905	$ 0	$ 0	$ 0	$ 0	$ 92,905	$ 23,226	$ 69,679		

FL (FL50a) - GCG All Exhibits (DISC*S)

Florida
Southern Bell-FL

% of Loop Assigned for USF:	100%
% of Port Assigned for USF:	100%
Bus/Res local DEM usage ratio:	110%
Monthly Support Benchmark:	

Entry of $0.00 Indicates that Line Type is Not to be Supported

				$31.00	$0.00	$51.00	$0.00	$0.00			
clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation
ARCHFLMA	$ 76.34	$ 76.28	$ 76.79	$ 1,293,428	$ 0	$ 13,806	$ 0	$ 0	$ 1,307,234	$ 326,808	$ 980,425
BCRTFLBT	$ 21.27	$ 21.09	$ 21.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BCRTFLMA	$ 20.15	$ 20.03	$ 20.34	$ 0	$ 0	$ 0	$ 0	0	$ 0	$ 0	$ 0
BCRTFLSA	$ 24.19	$ 24.14	$ 24.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BGPIFLMA	$ 53.29	$ 53.29	$ 54.02	$ 865,538	$ 0	$ 149	$ 0	$ 0	$ 865,687	$ 216,422	$ 649,265
BKVLFLJF	$ 45.48	$ 45.40	$ 45.74	$ 3,371,069	$ 0	$ 0	$ 0	$ 0	$ 3,371,069	$ 842,767	$ 2,528,302
BLDWFLMA	$ 76.47	$ 76.30	$ 76.92	$ 754,241	$ 0	$ 9,423	$ 0	$ 0	$ 763,664	$ 190,916	$ 572,748
BLGLFLMA	$ 37.82	$ 37.71	$ 38.08	$ 513,012	$ 0	$ 0	$ 0	$ 0	$ 513,012	$ 128,253	$ 384,759
BNNLFLMA	$ 84.49	$ 84.44	$ 84.89	$ 2,065,430	$ 0	$ 16,359	$ 0	$ 0	$ 2,081,790	$ 520,447	$ 1,561,342
BRSHFLMA	$ 93.65	$ 93.63	$ 94.20	$ 1,514,260	$ 0	$ 9,103	$ 0	$ 0	$ 1,523,363	$ 380,841	$ 1,142,522
BYBHFLMA	$ 23.90	$ 23.82	$ 24.15	$ 0	$ 0	0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLAF	$ 38.65	$ 38.42	$ 38.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLMA	$ 21.75	$ 21.60	$ 22.00	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CDKYFLMA	$ 134.45	$ 134.25	$ 136.46	$ 725,784	$ 0	$ 9,081	$ 0	$ 0	$ 734,866	$ 183,716	$ 551,149
CFLDFLMA	$ 91.23	$ 91.18	$ 91.60	$ 2,861,262	$ 0	$ 27,150	$ 0	$ 0	$ 2,888,412	$ 722,103	$ 2,166,309
CHPLFLJA	$ 74.15	$ 74.08	$ 74.51	$ 2,220,831	$ 0	$ 16,816	$ 0	$ 0	$ 2,237,647	$ 559,412	$ 1,678,235
CNTMFLLE	$ 45.48	$ 45.39	$ 45.78	$ 1,087,229	$ 0	$ 0	$ 0	$ 0	$ 1,087,229	$ 271,807	$ 815,422
COCOFLMA	$ 30.04	$ 29.96	$ 30.29	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
COCOFLME	$ 29.98	$ 28.89	$ 29.23	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CSCYFLBA	$ 147.98	$ 147.98	$ 148.68	$ 2,380,746	$ –	$ 0	$ 0	$ 0	$ 2,380,746	$ 595,186	$ 1,785,559
DBRYFLDL	$ 31.07	$ 31.03	$ 31.39	$ 5,243	$ 0	$ 0	$ 0	$ 0	$ 5,243	$ 1,311	$ 3,932
DBRYFLMA	$ 34.05	$ 33.99	$ 34.37	$ 209,523	$ 0	$ 0	$ 0	$ 0	$ 209,523	$ 52,381	$ 157,142
DELDFLMA	$ 30.77	$ 30.67	$ 31.00	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLBHFLKP	$ 22.60	$ 22.55	$ 22.89	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLBHFLMA	$ 20.83	$ 20.73	$ 21.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLSPFLMA	$ 52.31	$ 52.24	$ 52.72	$ 555,333	$ 0	$ 1,241	$ 0	$ 0	$ 556,574	$ 139,143	$ 417,430
DNLMFLWM	$ 65.19	$ 65.14	$ 65.55	$ 3,485,243	$ 0	$ 32,828	$ 0	$ 0	$ 3,518,071	$ 879,518	$ 2,638,553
DRBHFLMA	$ 21.35	$ 21.24	$ 21.57	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLFN	$ 25.77	$ 25.65	$ 26.11	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLMA	$ 23.26	$ 23.15	$ 23.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLOB	$ 30.45	$ 30.37	$ 30.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLOS	$ 25.17	$ 25.13	$ 25.54	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLPO	$ 25.25	$ 25.20	$ 25.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLBG	$ 26.37	$ 26.29	$ 26.61	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLIH	$ 23.78	$ 23.70	$ 24.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EORNFLMA	$ 59.09	$ 59.02	$ 59.47	$ 1,519,780	$ 0	$ 17,839	$ 0	$ 0	$ 1,537,619	$ 384,405	$ 1,153,214
FLBHFLMA	$ 41.49	$ 41.43	$ 41.87	$ 385,369	$ 0	$ 0	$ 0	$ 0	$ 385,369	$ 96,342	$ 289,027
FRBHFLFP	$ 34.89	$ 34.77	$ 35.12	$ 508,427	$ 0	$ 0	$ 0	$ 0	$ 508,427	$ 127,107	$ 381,321
FTGRFLMA	$ 100.03	$ 100.00	$ 101.53	$ 352,814	$ 0	$ 1,033	$ 0	$ 0	$ 353,847	$ 88,462	$ 265,385
FTLDFLCR	$ 18.67	$ 18.55	$ 18.87	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLCY	$ 18.38	$ 18.23	$ 18.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLJA	$ 22.50	$ 22.42	$ 22.74	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLMR	$ 19.37	$ 19.23	$ 19.56	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLOA	$ 19.74	$ 19.65	$ 19.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLPL	$ 21.69	$ 21.58	$ 21.90	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSG	$ 22.08	$ 21.78	$ 22.12	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSU	$ 20.57	$ 20.49	$ 20.83	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLWN	$ 25.77	$ 25.70	$ 26.04	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTPRFLMA	$ 32.18	$ 32.11	$ 32.43	$ 530,285	$ 0	$ 0	$ 0	$ 0	$ 530,285	$ 132,571	$ 397,714

Line Type	Support Grand Totals
Primary residence lines	$97,839,243
Secondary residence lines	$0
Single line business lines	$501,449
Multiline business lines	$0
Public lines	$0
All switched lines	$98,340,691

FL (FL50a) - GCG All Exhibits (DISC*S)

% of Loop Assigned for USF: 100%
% of Port Assigned for USF: 100%
Bus/Res local DEM usage ratio: 110%
Monthly Support Benchmark

Florida
Southern Bell FL

Entry of $0.00 Indicates that Line Type is Not to be Supported

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
Monthly Support Benchmark				$31.86	$0.00	$31.80	$0.00	$0.00					
GCSPFLCN	$ 55.60	$ 55.52	$ 55.90	$ 1,762,555	$ 0	$ 7,994	$ 0	$ 0	$ 1,790,549	$ 447,637	$ 1,342,912		
GCVLFLMA	$ 96.48	$ 96.42	$ 97.17	$ 2,105,889	$ 0	$ 15,701	$ 0	$ 0	$ 2,211,591	$ 552,898	$ 1,658,693		
GENVFLMA	$ 77.37	$ 77.30	$ 77.89	$ 1,022,246	$ 0	$ 15,225	$ 0	$ [illegible]	$ 1,037,471	$ 259,368	$ 778,103		
GLBRFLMC	$ 31.52	$ 31.44	$ 31.77	$ 68,927	$ 0	$ 0	$ 0	$ 0	$ 68,927	$ 17,232	$ 51,695		
GSVLFLMA	$ 28.31	$ 28.22	$ 28.55	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
GSVLFLMW	$ 29.94	$ 29.85	$ 30.20	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HAVNFLMA	$ 72.18	$ 72.13	$ 72.94	$ 2,133,484	$ 0	$ 15,373	$ 0	$ 0	$ 2,148,857	$ 537,214	$ 1,611,642		
HBSDFLMA	$ 34.09	$ 34.04	$ 34.42	$ 271,239	$ 0	$ 0	$ 0	$ 0	$ 271,239	$ 67,810	$ 203,429		
HLNVFLMA	$ 47.49	$ 47.41	$ 47.79	$ 1,534,644	$ 0	$ 0	$ 0	$ 0	$ 1,534,644	$ 383,661	$ 1,150,983		
HLWDFLHA	$ 18.86	$ 18.78	$ 19.13	$ 0	$ 0	[illegible]	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLMA	$ 19.94	$ 19.84	$ 20.17	$ 0	$ 0	[illegible]	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLPE	$ 23.52	$ 23.44	$ 23.77	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HLWDFLWH	$ 21.48	$ 21.39	$ 21.71	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HMSTFLHM	$ 35.23	$ 35.14	$ 35.47	$ 1,072,525	$ 0	$ 0	$ 0	$ 0	$ 1,072,525	$ 268,131	$ 804,394		
HMSTFLNA	$ 37.62	$ 37.52	$ 37.88	$ 409,065	$ 0	$ 0	$ 0	$ 0	$ 409,065	$ 102,266	$ 306,799		
HTISFLMA	$ 28.51	$ 28.44	$ 28.79	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
HWTHFLMA	$ 88.50	$ 88.56	$ 89.08	$ 2,569,531	$ 0	$ 12,143	$ 0	$ 0	$ 2,581,674	$ 645,419	$ 1,936,256		
ISLMFLMA	$ 39.63	$ 39.49	$ 40.01	$ 191,879	$ 0	$ 0	$ 0	$ 0	$ 191,879	$ 47,970	$ 143,909		
JAY FLMA	$ 117.75	$ 117.68	$ 118.23	$ 2,474,651	$ 0	$ 47,388	$ 0	$ 0	$ 2,522,040	$ 630,510	$ 1,891,530		
JCBHFLAD	$ 30.42	$ 30.38	$ 30.74	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCBHFLMA	$ 24.19	$ 24.11	$ 24.44	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCBHFLSP	$ 32.74	$ 32.65	$ 33.02	$ 62,544	$ 0	$ 0	$ 0	$ 0	$ 62,544	$ 15,636	$ 46,908		
JCVLFLAR	$ 23.53	$ 23.43	$ 23.76	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLBW	$ 27.98	$ 27.90	$ 28.22	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLCL	$ 19.33	$ 19.25	$ 19.67	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLFC	$ 24.33	$ 24.27	$ 24.60	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLIA	$ 30.51	$ 30.46	$ 30.70	$ 19,987	$ 0	$ 0	$ 0	$ 0	$ 19,987	$ 4,997	$ 14,990		
JCVLFLJT	$ 15.44	$ 15.41	$ 15.45	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLLF	$ 30.22	$ 30.15	$ 30.48	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLNO	$ 28.62	$ 28.51	$ 28.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLOW	$ 35.57	$ 35.48	$ 35.80	$ 690,260	$ 0	$ 0	$ 0	$ 0	$ 690,260	$ 172,565	$ 517,695		
JCVLFLRV	$ 22.77	$ 22.67	$ 22.99	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLSJ	$ 20.76	$ 20.62	$ 20.94	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLSM	$ 19.66	$ 19.49	$ 19.80	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JCVLFLWC	$ 28.35	$ 28.29	$ 28.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
JPTRFLMA	$ 25.89	$ 25.80	$ 26.12	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYHGFLMA	$ 58.18	$ 58.13	$ 58.60	$ 1,553,858	$ 0	$ 6,276	$ 0	$ 0	$ 1,560,134	$ 390,034	$ 1,170,101		
KYLRFLLS	$ 29.79	$ 29.69	$ 30.07	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
KYLRFLMA	$ 32.38	$ 32.30	$ 32.68	$ 78,150	$ 0	$ 0	$ 0	$ 0	$ 78,150	$ 19,537	$ 58,612		
KYWSFLMA	$ 22.44	$ 22.33	$ 22.68	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
LKCYFLMA	$ 62.03	$ 61.97	$ 62.35	$ 5,959,401	$ 0	$ 37,398	$ 0	$ 0	$ 5,996,799	$ 1,499,200	$ 4,497,600		
LKMRFLMA	$ 29.88	$ 29.71	$ 30.08	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
LYHNFLOH	$ 37.47	$ 37.41	$ 37.77	$ 713,071	$ 0	$ 0	$ 0	$ 0	$ 713,071	$ 178,268	$ 534,803		
MCNPFLMA	$ 124.61	$ 124.59	$ 125.39	$ 1,593,641	$ 0	$ 5,288	$ 0	$ 0	$ 1,598,929	$ 399,732	$ 1,199,197		
MDSGFLPM	$ 52.02	$ 51.98	$ 52.34	$ 2,661,880	$ 0	$ 3,574	$ 0	$ 0	$ 2,665,454	$ 666,363	$ 1,999,090		
MIAMFLAE	$ 17.61	$ 17.48	$ 17.80	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLAL	$ 19.57	$ 19.44	$ 19.76	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLAP	$ [illegible]	$ 21.62	$ 21.95	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLBA	$ 18.55	$ 18.44	$ 18.77	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		

FL (FL50a) - GCG All Exhibits (DISC'S)

Florida
Southern Bell-FL

% of Loop Assigned for USF:	100%
% of Port Assigned for USF:	100%
Bus/Res local DEM usage ratio:	110%
Monthly Support Benchmark:	

Entry of $0.00 Indicates that Line Type is Not to be Supported

	Monthly Support Benchmark
Primary residence lines	$31.00
Secondary residence lines	$0.00
Single line business lines	$51.00
Multiline business lines	$0.00
Public lines	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
MIAMFLBC	$ 18.33	$ 18.19	$ 18.52	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLBR	$ 16.07	$ 15.96	$ 16.28	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLCA	$ 22.46	$ 22.40	$ 22.73	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLFL	$ 17.98	$ 17.88	$ 18.22	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLGR	$ 13.74	$ 13.48	$ 13.79	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLHL	$ 20.27	$ 20.16	$ 20.49	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLIC	$ 19.06	$ 18.99	$ 19.33	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLKE	$ 19.20	$ 19.09	$ 19.48	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLME	$ 16.52	$ 16.36	$ 16.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLNM	$ 19.18	$ 19.08	$ 19.42	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLNS	$ 20.64	$ 20.53	$ 20.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLOL	$ 21.94	$ 21.82	$ 22.14	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLPB	$ 19.33	$ 19.18	$ 19.49	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLPL	$ 18.02	$ 17.75	$ 18.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLRR	$ 21.58	$ 21.44	$ 21.76	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLSH	$ 19.62	$ 19.52	$ 19.83	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLSO	$ 21.16	$ 21.06	$ 21.39	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLWD	$ 20.90	$ 20.85	$ 21.18	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MIAMFLWM	$ 19.27	$ 19.14	$ 19.45	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MICCFLBB	$ 45.28	$ 45.27	$ 45.77	$ 366,422	$ 0	$ 0	$ 0	$ 0	$ 366,422	$ 91,605	$ 274,816		
MLBRFLMA	$ 28.91	$ 28.82	$ 29.14	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MLTNFLRA	$ 41.49	$ 41.41	$ 41.75	$ 1,837,135	$ 0	$ 0	$ 0	$ 0	$ 1,837,135	$ 459,284	$ 1,377,851		
MNDRFLAV	$ 19.37	$ 19.22	$ 19.59	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNDRFLLO	$ 28.29	$ 28.21	$ 28.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
MNDRFLLW	$ 48.81	$ 48.76	$ 49.15	$ 745,448	$ 0	$ 0	$ 0	$ 0	$ 745,448	$ 186,362	$ 559,086		
MNSHFLMA	$ 245.38	$ 245.24	$ 245.70	$ 1,100,012	$ 0	$ 10,040	$ 0	$ 0	$ 1,110,052	$ 277,513	$ 832,539		
MRTHFLVE	$ 34.29	$ 34.19	$ 34.59	$ 257,928	$ 0	$ 0	$ 0	$ 0	$ 257,928	$ 64,482	$ 193,446		
MTVLFLMA	$ 90.29	$ 90.16	$ 90.66	$ 1,098,274	$ 0	$ 8,191	$ 0	$ 0	$ 1,106,465	$ 276,616	$ 829,849		
NDADFLAC	$ 19.81	$ 19.73	$ 20.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLBR	$ 22.43	$ 22.35	$ 22.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLGG	$ 19.89	$ 19.79	$ 20.12	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NDADFLOL	$ 18.11	$ 18.00	$ 18.33	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
NKLRFLMA	$ 37.42	$ 37.26	$ 37.92	$ 67,236	$ 0	$ 0	$ 0	$ 0	$ 67,236	$ 16,809	$ 50,427		
NSBHFLMA	$ 31.33	$ 31.27	$ 31.59	$ 89,399	$ 0	$ 0	$ 0	$ 0	$ 89,399	$ 22,350	$ 67,049		
NWBYFLMA	$ 89.94	$ 89.82	$ 89.46	$ 1,745,181	$ 0	$ 17,463	$ 0	$ 0	$ 1,762,644	$ 440,661	$ 1,321,983		
OKHLFLMA	$ 81.41	$ 81.36	$ 82.02	$ 1,229,015	$ 0	$ 17,286	$ 0	$ 0	$ 1,246,301	$ 311,575	$ 934,726		
OLTWFLLN	$ 125.02	$ 125.02	$ 125.58	$ 2,680,374	$ 0	$ 0	$ 0	$ 0	$ 2,680,374	$ 670,094	$ 2,010,281		
ORLDFLAP	$ 26.37	$ 26.31	$ 26.64	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLCL	$ 21.21	$ 21.08	$ 21.39	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLMA	$ 18.25	$ 18.06	$ 18.37	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLPC	$ 23.74	$ 23.61	$ 23.91	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLPH	$ 23.95	$ 23.84	$ 24.17	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORLDFLSA	$ 23.43	$ 23.28	$ 23.59	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORPKFLMA	$ 27.89	$ 27.81	$ 28.15	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
ORPKFLRW	$ 27.55	$ 27.50	$ 27.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
OVIDFLCA	$ 35.89	$ 35.83	$ 36.15	$ 1,006,735	$ 0	$ 0	$ 0	$ 0	$ 1,006,735	$ 251,684	$ 755,051		
PACEFLPV	$ 44.50	$ 44.45	$ 44.82	$ 1,508,204	$ 0	$ 0	$ 0	$ 0	$ 1,508,204	$ 377,051	$ 1,131,153		
PAHKFLMA	$ 38.97	$ 38.86	$ 39.34	$ 245,919	$ 0	$ 0	$ 0	$ 0	$ 245,919	$ 61,480	$ 184,439		
PCBHFLNT	$ 29.27	$ 29.18	$ 29.50	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		

FL (FL50a) - GCG All Exhib is (DISC*S)

% of Loop Assigned for USF:	100%	
% of Port Assigned for USF:	100%	
Bus/Res local DEM usage ratio:	110%	
Monthly Support Benchmark:		

Florida
Southern Bell-FL

Entry of $0.00 Indicates that Line Type is Not to be Supported

				$31.00	$0.00	$51.00	$0.00	$0.00					
clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
PLCSFLMA	$ 31.48	$ 31.43	$ 31.77	$ 65,722	$ 0	$ 0	$ 0	$ 0	$ 65,722	$ 16,431	$ 49,292		
PLTKFLMA	$ 48.42	$ 48.36	$ 48.73	$ 2,871,978	$ 0	$ 0	$ 0	$ 0	$ 2,871,978	$ 717,994	$ 2,153,983		
PMBHFLCS	$ 22.25	$ 22.16	$ 22.48	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLFE	$ 21.30	$ 21.19	$ 21.52	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLMA	$ 20.97	$ 20.88	$ 21.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLTA	$ 20.81	$ 20.76	$ 21.09	$ 0	$ r	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMPKFLMA	$ 79.37	$ 79.37	$ 79.94	$ 1,307,430	$ 0	[illegible] 0	$ 0	$ 0	$ 1,307,430	$ 326,857	$ 980,572		
PNCYFLCA	$ 36.68	$ 36.65	$ 37.04	$ 498,364	$ 0	$ 0	$ 0	$ 0	$ 498,364	$ 124,641	$ 373,923		
PNCYFLMA	$ 26.32	$ 26.22	$ 26.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLBL	$ 22.61	$ 22.49	$ 22.80	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLFP	$ 25.97	$ 25.88	$ 26.20	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLHC	$ 40.81	$ 40.75	$ 41.11	$ 899,602	$ 0	$ [illegible]	$ [illegible]	$ 0	$ 899,602	$ 224,900	$ 674,701		
PNSCFLPB	$ 44.88	$ 44.82	$ 45.24	$ 774,619	$ 0	$ 0	$ 0	$ 0	$ 774,619	$ 193,655	$ 580,964		
PNSCFLWA	$ 29.38	$ 29.33	$ 29.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNVDFLMA	$ 32.56	$ 32.50	$ 32.84	$ 208,384	$ 0	$ 0	$ 0	$ 0	$ 208,384	$ 52,096	$ 156,288		
PRRNFLMA	$ 27.02	$ 26.91	$ 27.24	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PRSNFLFD	$ 101.80	$ 101.78	$ 102.27	$ 1,490,679	$ 0	$ 32,010	$ 0	$ 0	$ 1,522,689	$ 380,672	$ 1,142,017		
PTSLFLMA	$ 33.29	$ 33.23	$ 33.56	$ 724,370	$ 0	$ 0	$ 0	$ 0	$ 724,370	$ 181,092	$ 543,277		
PTSLFLSO	$ 28.39	$ 28.30	$ 28.64	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SBSTFLFE	$ 101.11	$ 100.98	$ 101.56	$ 735,265	$ 0	$ 14,909	$ 0	$ 0	$ 750,175	$ 187,544	$ 562,631		
SBSTFLMA	$ 35.92	$ 35.87	$ 36.22	$ 622,365	$ 0	$ 0	$ 0	$ 0	$ 622,365	$ 155,591	$ 466,774		
SCKYFLMA	$ 68.98	$ 68.98	$ 70.48	$ 1,117,941	$ 0	$ 1,316	$ 0	$ 0	$ 1,119,257	$ 279,814	$ 839,443		
SNFRFLMA	$ 30.73	$ 30.65	$ 30.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STAGFLBS	$ 30.54	$ 30.48	$ 30.86	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
STAGFLMA	$ 37.24	$ 37.13	$ 37.44	$ 1,088,441	$ 0	$ 0	$ 0	$ 0	$ 1,088,441	$ 272,110	$ 816,331		
STAGFLSH	$ 34.28	$ 34.18	$ 34.54	$ 350,083	$ 0	$ 0	$ 0	$ 0	$ 350,083	$ 87,521	$ 262,562		
STRTFLMA	$ 29.39	$ 29.29	$ 29.61	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SYHSFLCC	$ 196.06	$ 196.03	$ 196.85	$ 2,026,990	. 0	$ 5,030	$ 0	$ 0	$ 2,032,020	$ 508,005	$ 1,524,015		
TRENFLMA	$ 97.42	$ 97.37	$ 97.79	$ 2,693,602	$ 0	$ 7,192	$ 0	$ 0	$ 2,700,794	$ 675,198	$ 2,025,595		
TTVLFLMA	$ 30.90	$ 30.83	$ 31.16	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ [illegible]		
VERNFLMA	$ 148.55	$ 149.55	$ 149.26	$ 2,267,772	$ 0	$ 0	$ 0	$ 0	$ 2,267,772	$ 566,943	$ 1,700,829		
VRBHFLBE	$ 26.07	$ 26.00	$ 26.36	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
VRBHFLMA	$ 30.11	$ 30.04	$ 30.35	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WELKFLMA	$ 80.86	$ 80.96	$ 81.68	$ 1,344,428	$ 0	$ 0	$ 0	$ 0	$ 1,344,428	$ 336,107	$ 1,008,321		
WPBHFLAN	$ 18.45	$ 18.29	$ 18.60	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGA	$ 23.98	$ 23.89	$ 24.22	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGR	$ 25.16	$ 25.06	$ 25.38	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLHH	$ 21.55	$ 21.43	$ 21.75	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLLE	$ 21.82	$ 21.74	$ 22.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRB	$ 21.89	$ 21.76	$ 22.09	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRP	$ 32.99	$ 32.91	$ 33.23	$ 727,459	$ 0	$ 0	$ 0	$ 0	$ 727,459	$ 181,865	$ 545,594		
WWSPFLHI	$ 36.10	$ 36.04	$ 36.41	$ 747,599	$ 0	$ 0	$ 0	$ 0	$ 747,599	$ 186,900	$ 560,699		
WWSPFLSH	$ 31.75	$ 31.71	$ 32.04	$ 254,644	$ 0	$ 0	$ 0	$ 0	$ 254,644	$ 63,661	$ 190,983		
YNFNFLMA	$ 100.97	$ 100.89	$ 101.76	$ 1,770,247	$ 0	$ 30,035	$ 0	$ 0	$ 1,800,282	$ 450,071	$ 1,350,212		
YNTWFLMA	$ 117.17	$ 117.08	$ 117.68	$ 1,830,333	$ 0	$ 33,006	$ 0	$ 0	$ 1,913,338	$ 478,335	$ 1,435,004		
YULEFLMA	$ 64.11	$ 64.09	$ 64.58	$ 1,129,161	$ 0	$ 3,781	$ 0	$ 0	$ 1,132,941	$ 283,235	$ 849,706		

FL (FL50a) - GCC All Exhibits (Litespan)

Florida
Southern Bell-FL

% of Loop Assigned for USF:	100%
% of Port Assigned for USF:	100%
Bus/Res local DEM usage ratio:	110%

Entry of $0.00 indicates that Line Type is Not to be Supported

Monthly Support Benchmark:	$31.00	$0.00	$51.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation
ARCHFLMA	$ 76.92	$ 76.87	$ 77.36	$ 1,310,137	$ 0	$ 14,119	$ 0	0	$ 1,324,256	$ 331,064	$ 993,192
BCRTFLBT	$ 22.47	$ 22.29	$ 22.61	$ 0	$ 0	$ 0	0	$ 0	$ 0	$ 0	$ 0
BCRTFLMA	$ 21.69	$ 21.56	$ 21.87	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BCRTFLSA	$ 25.97	$ 25.91	$ 26.24	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
BGPWFLMA	$ 54.70	$ 54.68	$ 55.43	$ 920,011	$ 0	$ 218	$ 0	$ 0	$ 920,229	$ 230,057	$ 690,171
BRVLFLJF	$ 46.62	$ 46.54	$ 46.99	$ 3,638,910	$ 0	$ 0	$ 0	$ 0	$ 3,638,910	$ 909,728	$ 2,729,183
BLDWFLMA	$ 78.23	$ 78.14	$ 78.68	$ 783,422	$ 0	$ 10,061	$ 0	$ 0	$ 793,483	$ 198,371	$ 595,112
BLGLFLMA	$ 38.68	$ 38.58	$ 38.94	$ 578,520	$ 0	0	$ 0	$ 0	$ 578,520	$ 144,630	$ 433,890
BNNLFLMA	$ 84.91	$ 84.80	$ 85.32	$ 2,081,863	$ 0	16,565	$ 0	$ 0	$ 2,098,428	$ 524,607	$ 1,573,821
BRSNFLMA	$ 93.77	$ 93.75	$ 94.32	$ 1,517,121	$ 0	$ 9,128	$ 0	$ 0	$ 1,526,249	$ 381,562	$ 1,144,687
BYBHFLMA	$ 25.57	$ 25.50	$ 25.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLAF	$ 39.08	$ 39.26	$ 39.68	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CCBHFLMA	$ 23.14	$ 23.05	$ [illegible]	[illegible]	0	0	$ 0	0	$ 0	$ 0	$ 0
CDKYFLMA	$ 133.83	$ 133.63	$ 135.83	$ 721,309	$ 0	$ [illegible]	[illegible]	[illegible]	[illegible]	$ [illegible]	[illegible]
CFLDFLMA	$ 91.28	$ 91.23	$ 91.65	$ 2,863,609	$ 0	$ 27,183	$ 0	$ 0	$ 2,890,792	$ 722,698	$ 2,168,094
CHPLFLJA	$ 74.65	$ 74.58	$ 75.03	$ 2,246,655	$ 0	$ 17,183	$ 0	$ 0	$ 2,263,838	$ 565,959	$ 1,697,878
CNTMFLLE	$ 48.55	$ 48.46	$ 48.84	$ 1,168,616	$ 0	$ 0	$ 0	$ 0	$ 1,168,616	$ 292,154	$ 876,462
COCOFLMA	$ 31.62	$ 31.54	$ 31.86	$ 236,065	$ 0	$ 0	$ 0	$ 0	$ 236,065	$ 59,016	$ 177,049
COCOFLME	$ 30.39	$ 30.29	$ 30.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
CSCYFLBA	$ 147.20	$ 147.20	$ 147.90	$ 2,364,877	$ 0	$ 0	$ 0	$ 0	$ 2,364,877	$ 591,219	$ 1,773,658
DBRYFLDL	$ 33.08	$ 33.04	$ 33.38	$ 315,567	$ 0	$ 0	$ 0	$ 0	$ 315,567	$ 78,892	$ 236,675
DBRYFLMA	$ 35.20	$ 35.15	$ 35.53	$ 290,511	$ 0	$ 0	$ 0	$ 0	$ 290,511	$ 72,628	$ 217,883
DELDFLMA	$ 31.84	$ 31.74	$ 32.07	$ 175,764	$ 0	$ 0	$ 0	$ 0	$ 175,764	$ 43,941	$ 131,823
DLBHFLKP	$ 24.00	$ 23.95	$ 24.29	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLBHFLMA	$ 22.18	$ 22.08	$ 22.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DLSPFLMA	$ 53.00	$ 52.94	$ 53.41	$ 573,446	$ 0	$ 1,741	$ 0	$ 0	$ 575,187	$ 143,797	$ 431,390
DRLNFLWM	$ 66.28	$ 66.23	$ 66.64	$ 3,595,881	$ 0	$ 35,283	$ 0	$ 0	$ 3,631,165	$ 907,791	$ 2,723,374
DRBHFLMA	$ 22.87	$ 22.77	$ 23.09	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLFN	$ 25.67	$ 25.59	$ 26.01	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLMA	$ 24.60	$ 24.54	$ 24.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLOB	$ 31.88	$ 31.81	$ 32.13	$ 248,856	$ 0	$ 0	$ 0	$ 0	$ 248,856	$ 62,214	$ 186,642
DYBHFLOS	$ 26.48	$ 26.44	$ 26.84	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
DYBHFLPO	$ 27.12	$ 27.07	$ 27.41	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLBG	$ 27.89	$ 27.81	$ 27.93	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EGLLFLIH	$ 25.33	$ 25.27	$ 25.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
EORNFLMA	$ 60.70	$ 60.62	$ 61.08	$ 1,606,842	$ 0	$ 21,218	$ 0	$ 0	$ 1,628,060	$ 407,015	$ 1,221,045
FLBHFLMA	$ 43.92	$ 43.87	$ 44.30	$ 475,216	$ 0	$ 0	$ 0	$ 0	$ 475,216	$ 118,804	$ 356,412
FRBHFLFP	$ 36.29	$ 36.21	$ 36.56	$ 702,032	$ 0	$ 0	$ 0	$ 0	$ 702,032	$ 175,508	$ 526,524
FTGRFLMA	$ 101.18	$ 101.15	$ 102.68	$ 358,697	$ 0	$ 1,057	$ 0	$ 0	$ 359,753	$ 89,938	$ 269,815
FTLDFLCR	$ 19.88	$ 19.76	$ 20.06	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLCY	$ 19.25	$ 19.09	$ 19.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLJA	$ 24.22	$ 24.14	$ 24.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLMR	$ 20.63	$ 20.49	$ 20.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLOA	$ 20.98	$ 20.90	$ 21.22	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLPL	$ 23.38	$ 23.27	$ 23.58	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSG	$ 22.84	$ 22.54	$ 22.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLSJ	$ 21.74	$ 21.66	$ 22.01	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTLDFLWN	$ 27.37	$ 27.30	$ 27.65	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
FTPRFLMA	$ 33.81	$ 33.72	$ 34.05	$ 1,307,038	$ 0	$ 0	$ 0	$ 0	$ 1,307,038	$ 326,760	$ 980,279

Line Type	Support Grand Totals
Primary residence lines	$109,696,215
Secondary residence lines	$0
Single line business lines	$520,669
Multiline business lines	$0
Public lines	$0
All switched lines	$110,216,884

FL (FL50a) - GCG All Exhibits (Lifespan)

Florida
Southern Bell-FL

% of Loop Assigned for USF: 100%
% of Port Assigned for USF: 100%
Bus/Res local DEM usage ratio: 110%
Monthly Support Benchmark:

Entry of $0.00 indicates that Line Type is Not to be Supported

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation
				$31.00	$0.00	$51.00	$0.00	$0.00			
GCSPFLCN	$ 56.41	$ 56.32	$ 56.71	$ 1,841,290	$ 0	$ 9,315	$ 0	$ 0	$ 1,850,606	$ 462,651	$ 1,387,954
GCVLFLMA	$ 97.86	$ 97.80	$ 98.55	$ 2,242,306	$ 0	$ 16,172	$ 0	$ 0	$ 2,258,477	$ 564,619	$ 1,693,858
GENVFLMA	$ 77.44	$ 77.37	$ 77.96	$ 1,023,762	$ 0	$ 15,264	$ 0	$ 0	$ 1,039,026	$ 259,757	$ 779,270
GLBRFLMC	$ 32.82	$ 32.74	$ 33.07	$ 273,083	$ 0	$ 0	$ 0	$ 0	$ 273,083	$ 68,271	$ 204,812
GSVLFLMA	$ 29.58	$ 29.49	$ 29.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
GSVLFLNW	$ 30.69	$ 30.60	$ 30.95	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HAVNFLMA	$ 73.03	$ 72.97	$ 73.78	$ 2,177,476	$ 0	$ 15,967	$ 0	$ 0	$ 2,193,442	$ 548,361	$ 1,645,082
HBSDFLMA	$ 36.18	$ 36.13	$ 36.51	$ 457,787	$ 0	$ 0	$ 0	$ 0	$ 457,787	$ 114,447	$ 343,340
HLNVFLMA	$ 48.61	$ 48.53	$ 48.91	$ 1,639,329	$ 0	$ 0	$ 0	$ 0	$ 1,639,329	$ 409,832	$ 1,229,496
HLWDFLHA	$ 19.29	$ 19.20	$ 19.56	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HLWDFLMA	$ 21.00	$ 20.90	$ 21.24	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HLWDFLPE	$ 25.16	$ 25.08	$ 25.42	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HLWDFLWH	$ 23.16	$ 23.07	$ 23.39	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HMSTFLHM	$ 36.34	$ 36.25	$ 36.58	$ 1,359,348	$ 0	$ 0	$ 0	$ 0	$ 1,359,348	$ 339,837	$ 1,019,511
HMSTFLNA	$ 38.83	$ 38.73	$ 39.09	$ 485,086	$ 0	$ 0	$ 0	$ 0	$ 485,086	$ 121,272	$ 363,815
HTISFLMA	$ 30.68	$ 30.61	$ 30.96	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
HWTHFLMA	$ 89.52	$ 89.50	$ 90.00	$ 2,611,425	$ 0	$ 12,443	$ 0	$ 0	$ 2,623,868	$ 655,967	$ 1,967,901
ISLMFLMA	$ 41.00	$ 40.87	$ 41.39	$ 222,890	$ 0	$ 0	$ 0	$ 0	$ 222,890	$ 55,722	$ 167,167
JAY FLMA	$ 117.19	$ 117.12	$ 117.67	$ 2,458,674	$ 0	$ 46,894	$ 0	$ 0	$ 2,505,667	$ 626,417	$ 1,879,250
JCBHFLAB	$ 32.13	$ 32.09	$ 32.46	$ 114,814	$ 0	$ 0	$ 0	$ 0	$ 114,814	$ 28,703	$ 86,110
JCBHFLMA	$ 25.63	$ 25.55	$ 25.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCBHFLSP	$ 34.96	$ 34.86	$ 35.24	$ 146,180	$ 0	$ 0	$ 0	$ 0	$ 146,180	$ 36,545	$ 109,635
JCVLFLAR	$ 24.60	$ 24.50	$ 24.83	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLBW	$ 28.37	$ 28.29	$ 28.62	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLCL	$ 30.27	$ 30.09	$ 30.41	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLFC	$ 25.31	$ 25.25	$ 25.58	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLJA	$ 38.33	$ 38.99	$ 38.52	$ 18,555	$ 0	$ 0	$ 0	$ 0	$ 18,555	$ 4,889	$ 14,666
JCVLFLJT	$ 15.41	$ 15.07	$ 15.41	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLLF	$ 31.80	$ 31.74	$ 32.06	$ 247,458	$ 0	$ 0	$ 0	$ 0	$ 247,458	$ 61,864	$ 185,593
JCVLFLNO	$ 29.78	$ 29.67	$ 29.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLOW	$ 36.98	$ 36.89	$ 37.21	$ 907,114	$ 0	$ 0	$ 0	$ 0	$ 907,114	$ 226,778	$ 680,335
JCVLFLRV	$ 24.24	$ 24.14	$ 24.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLSJ	$ 22.29	$ 22.15	$ 22.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLSM	$ 21.32	$ 21.16	$ 21.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JCVLFLWC	$ 29.71	$ 29.65	$ 29.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
JPTRFLMA	$ 27.47	$ 27.38	$ 27.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
KYHGFLMA	$ 59.32	$ 59.27	$ 59.73	$ 1,618,806	$ 0	$ 7,213	$ 0	$ 0	$ 1,626,019	$ 406,505	$ 1,219,514
KYLRFLLS	$ 30.71	$ 30.60	$ 30.99	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
KYLRFLMA	$ 33.98	$ 33.89	$ 34.28	$ 174,659	$ 0	$ 0	$ 0	$ 0	$ 174,659	$ 43,665	$ 130,994
KYWSFLMA	$ 23.57	$ 23.48	$ 23.82	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
LKCYFLMA	$ 62.90	$ 62.84	$ 63.22	$ 6,126,881	$ 0	$ 40,278	$ 0	$ 0	$ 6,167,159	$ 1,541,790	$ 4,625,369
LKMRFLMA	$ 30.71	$ 30.54	$ 30.89	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
LYHNFLOH	$ 38.84	$ 38.78	$ 39.14	$ 865,034	$ 0	$ 0	$ 0	$ 0	$ 865,034	$ 216,258	$ 648,776
MCNPFLMA	$ 124.86	$ 124.87	$ 125.67	$ 1,598,415	$ 0	$ 5,308	$ 0	$ 0	$ 1,603,723	$ 400,931	$ 1,202,792
MDBGFLPM	$ 53.37	$ 53.34	$ 53.69	$ 2,833,807	$ 0	$ 7,198	$ 0	$ 0	$ 2,841,005	$ 710,251	$ 2,130,754
MIAMFLAE	$ 18.44	$ 18.30	$ 18.63	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLAL	$ 20.63	$ 20.49	$ 20.81	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLAP	$ 22.42	$ 22.16	$ 22.49	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLBA	$ 19.25	$ 19.14	$ 19.48	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0

Line Type	Support Grand Totals

FL (FL50a) - GCG All Exhibits (Litespan)

% of Loop Assigned for USF: 100%
% of Port Assigned for USF: 100%
Bus/Res local DEM usage ratio: 110%
Monthly Support Benchmark:

Entry of $0.00 indicates that Line Type is Not to be Supported

Florida
Southern Bell-FL

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation
Monthly Support Benchmark:				$31.00	$0.00	$51.00	$0.00	$0.00			
MIAMFLBC	$ 18.69	$ 18.54	$ 18.88	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLBR	$ 16.74	$ 16.63	$ 16.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLCA	$ 23.90	$ 23.83	$ 24.17	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLFL	$ 18.61	$ 18.50	$ 18.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLGR	$ 14.01	$ 13.75	$ 14.06	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLHL	$ 21.93	$ 21.82	$ 22.15	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLIC	$ 19.99	$ 19.92	$ 20.26	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLKE	$ 19.25	$ 19.14	$ 19.53	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLME	$ 17.14	$ 16.99	$ 17.30	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLNM	$ 19.84	$ 19.74	$ 20.09	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLNS	$ 22.12	$ 22.01	$ 22.34	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLOL	$ 23.07	$ 22.95	$ 23.26	$ 0	$ 0	$ [illegible]	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLPB	$ 20.29	$ 20.15	$ 20.46	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLPL	$ 18.94	$ 18.67	$ 18.97	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLRR	$ 22.71	$ 22.57	$ 22.89	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLSH	$ 21.08	$ 20.98	$ 21.29	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLSO	$ 22.39	$ 22.27	$ 22.58	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLWD	$ 22.17	$ 22.12	$ 22.47	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MIAMFLWM	$ 20.33	$ 20.30	$ 20.52	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MICCFLBB	$ 49.17	$ 49.16	$ 49.66	$ 440,000	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MLBRFLMA	$ 30.69	$ 30.60	$ 30.92	$ 0	$ 0	$ 0	$ 0	$ 0	$ 440,000	$ 110,167	$ 330,502
MLTNFLRA	$ 42.89	$ 42.73	$ 43.06	$ 2,068,814	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MNDRFLAV	$ 19.57	$ 19.42	$ 19.80	$ 0	$ 0	$ 0	$ 0	$ 0	$ 2,068,814	$ 517,203	$ 1,551,610
MNDRFLLO	$ 27.97	$ 27.89	$ 28.21	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MNDRFLLW	$ 49.37	$ 49.32	$ 49.71	$ 768,931	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
MNSNFLMA	$ 244.12	$ 243.99	$ 245.44	$ 1,093,565	$ 0	$ 0	$ 0	$ 0	$ 768,931	$ 192,233	$ 576,698
MRTNFLVE	$ 38.24	$ 38.14	$ 38.54	$ 415,052	$ 0	$ 8,976	$ 0	$ 0	$ 1,103,541	$ 275,885	$ 827,656
MXVLFLMA	$ 90.14	$ 90.04	$ 90.75	$ 1,096,162	$ 0	$ 0	$ 0	$ 0	$ 415,052	$ 103,763	$ 311,289
NDADFLAC	$ 21.00	$ 20.91	$ 21.23	$ 0	$ 0	$ 8,167	$ 0	$ 0	$ 1,104,329	$ 276,082	$ 828,247
NDADFLBR	$ 23.93	$ 23.84	$ 24.16	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
NDADFLGG	$ 21.17	$ 21.07	$ 21.40	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
NDADFLOL	$ 19.03	$ 18.92	$ 19.25	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
NKLRFLMA	$ 38.76	$ 38.62	$ 39.29	$ 81,892	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
NSBHFLMA	$ 32.98	$ 32.81	$ 33.14	$ 609,622	$ 0	$ 0	$ 0	$ 0	$ 81,892	$ 20,473	$ 61,419
NWBYFLMA	$ 89.22	$ 89.19	$ 89.73	$ 1,753,433	$ 0	$ 0	$ 0	$ 0	$ 609,622	$ 152,405	$ 457,217
OKHLFLMA	$ 82.38	$ 82.33	$ 82.99	$ 1,252,667	$ 0	$ 17,587	$ 0	$ 0	$ 1,771,020	$ 442,755	$ 1,328,265
OLTWFLLN	$ 124.38	$ 124.38	$ 124.85	$ 2,862,051	$ 0	$ 17,836	$ 0	$ 0	$ 1,270,483	$ 317,623	$ 952,870
ORLDFLAP	$ 27.93	$ 27.87	$ 28.20	$ 0	$ 0	$ 0	$ 0	$ 0	$ 2,862,051	$ 665,513	$ 1,996,538
ORLDFLCL	$ 22.42	$ 22.29	$ 22.61	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORLDFLMA	$ 19.08	$ 18.89	$ 19.20	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORLDFLPC	$ 24.99	$ 24.86	$ 25.16	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORLDFLPH	$ 25.55	$ 25.44	$ 25.76	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORLDFLSA	$ 24.99	$ 24.85	$ 25.15	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORPKFLMA	$ 29.53	$ 29.45	$ 29.78	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
ORPKFLRW	$ 29.16	$ 29.10	$ 29.45	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
OVIDFLCA	$ 37.32	$ 37.26	$ 37.58	$ 1,304,774	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
PACEFLPV	$ 46.25	$ 46.20	$ 46.57	$ 1,704,455	$ 0	$ 0	$ 0	$ 0	$ 1,304,774	$ 326,194	$ 978,581
PAHKFLMA	$ 40.45	$ 40.34	$ 40.82	$ 292,121	$ 0	$ 0	$ 0	$ 0	$ 1,704,455	$ 426,114	$ 1,278,341
PCBHFLNT	$ 30.61	$ 30.52	$ 30.85	$ 0	$ 0	$ 0	$ 0	$ 0	$ 292,121	$ 73,030	$ 219,090
								0	$ 0	$ 0	$ 0

Line Type	Support Grand Totals

FL (FL50a) - GCG All Exhibits (Lifespan)

% of Loop Assigned for USF: 100%
% of Port Assigned for USF: 100%
Bus/Res local DEM usage ratio: 110%

Florida
Southern Bell-FL

Entry -1 $0.00 indicates that Line Type is Not to be Supported

Monthly Support Benchmark:	$31.00	$0.00	$51.00	$0.00	$0.00

clli	Avg monthly cost per line	@ Residence usage per line	@ Business usage per line	Annual support for primary residence lines	Annual support for secondary residence lines	Annual support for single line business lines	Annual support for multiline business lines	Annual support for public lines	Total annual support for specified line types	@25% Federal allocation	@75% State allocation	Line Type	Support Grand Totals
PLCSFLMA	$ 33.13	$ 33.08	$ 33.43	$ 318,213	$ 0	$ 0	$ 0	$ 0	$ 318,213	$ 79,553	$ 238,660		
PLTKFLMA	$ 49.65	$ 49.59	$ 49.96	$ 3,076,273	$ 0	$ 0	$ 0	$ 0	3,076,273	$ 769,068	$ 2,307,205		
PMBHFLCS	$ 23.46	$ 23.39	$ 23.72	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLFE	$ 22.83	$ 22.72	$ 23.05	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLMA	$ 22.32	$ 22.22	$ 22.55	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMBHFLTA	$ 22.37	$ 22.32	$ 22.66	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PMPKFLMA	$ 79.71	$ 79.71	$ 80.28	$ 1,316,683	$ 0	$ 0	$ 0	$ 0	$ 1,316,683	$ 329,171	$ 987,512		
PNCYFLCA	$ 38.24	$ 38.21	$ 38.59	$ 635,523	$ 0	$ 0	$ 0	$ 0	$ 635,523	$ 158,881	$ 476,643		
PNCYFLMA	$ 27.76	$ 27.66	$ 27.97	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLBL	$ 23.93	$ 23.81	$ 24.12	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLFP	$ 27.47	$ 27.38	$ 27.69	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PNSCFLHC	$ 42.87	$ 42.81	$ 43.18	$ 1,089,820	$ 0	$ 0	$ 0	$ 0	$ 1,089,820	$ 272,455	$ 817,365		
PNSCFLPB	$ 47.03	$ 46.98	$ 47.40	$ 895,279	$ 0	$ 0	$ 0	$ 0	$ 895,279	$ 223,820	$ 671,459		
PNSCFLWA	$ 31.23	$ 31.18	$ 31.51	$ 61,474	$ 0	$ 0	$ 0	$ 0	$ 61,474	$ 15,369	$ 46,105		
PNVDFLMA	$ 34.06	$ 34.00	$ 34.34	$ 416,498	$ 0	$ 0	$ 0	$ 0	$ 416,498	$ 104,124	$ 312,373		
PNVNFLMA	$ 28.68	$ 28.58	$ 28.90	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
PRSNFLFD	$ 101.91	$ 101.79	$ 102.28	$ 1,490,893	$ 0	$ 32,016	$ 0	$ 0	$ 1,522,909	$ 380,727	$ 1,142,182		
PTSLFLMA	$ 34.87	$ 34.77	$ 35.11	$ 1,225,497	$ 0	$ 0	$ 0	$ 0	$ 1,225,497	$ 306,374	$ 919,123		
PTSLFLSO	$ 29.77	$ 29.68	$ 30.02	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SBSTFLFE	$ 102.30	$ 102.17	$ 102.75	$ 747,770	$ 0	$ 15,260	$ 0	$ 0	$ 763,030	$ 190,758	$ 572,273		
SBSTFLMA	$ 37.69	$ 37.64	$ 37.99	$ 848,183	$ 0	$ 0	$ 0	$ 0	$ 848,183	$ 212,046	$ 636,137		
SGKYFLMA	$ 69.60	$ 69.59	$ 71.10	$ 1,136,119	$ 0	$ 1,358	$ 0	$ 0	$ 1,137,476	$ 284,369	$ 853,107		
SHFRFLMA	$ 32.03	$ 31.96	$ 32.28	$ 407,238	$ 0	$ 0	$ 0	$ 0	$ 407,238	$ 101,809	$ 305,428		
STAGFLBS	$ 32.51	$ 32.45	$ 32.83	$ 110,664	$ 0	$ 0	$ 0	$ 0	$ 110,664	$ 27,666	$ 82,998		
STAGFLMA	$ 38.19	$ 38.07	$ 38.39	$ 1,256,754	$ 0	$ 0	$ 0	$ 0	$ 1,256,754	$ 314,189	$ 942,565		
STAGFLSH	$ 35.76	$ 35.68	$ 36.04	$ 514,735	$ 0	$ 0	$ 0	$ 0	$ 514,735	$ 128,684	$ 386,051		
STRIFLMA	$ 30.77	$ 30.67	$ 30.98	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
SYHSFLCC	$ 198.24	$ 198.21	$ 197.03	$ 2,029,228	$ 0	$ 5,036	$ 0	$ 0	$ 2,034,264	$ 508,566	$ 1,525,698		
TRENFLMA	$ 97.11	$ 97.08	$ 97.49	$ 2,681,032	$ 0	$ 7,144	$ 0	$ 0	$ 2,688,176	$ 672,044	$ 2,016,132		
TTVLFLMA	$ 32.40	$ 32.32	$ 32.65	$ 438,983	$ 0	$ 0	$ 0	$ 0	$ 438,983	$ 109,746	$ 329,237		
VERNFLMA	$ 148.37	$ 148.37	$ 149.08	$ 2,264,311	$ 0	$ 0	$ 0	$ 0	$ 2,264,311	$ 566,078	$ 1,698,233		
VRBHFLBE	$ 27.25	$ 27.18	$ 27.55	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
VRBHFLMA	$ 31.60	$ 31.52	$ 31.84	$ 200,671	$ 0	$ 0	$ 0	$ 0	$ 200,671	$ 50,168	$ 150,503		
WELKFLMA	$ 81.50	$ 81.50	$ 82.23	$ 1,359,087	$ 0	$ 0	$ 0	$ 0	$ 1,359,087	$ 339,772	$ 1,019,315		
WPBHFLAN	$ 19.57	$ 19.41	$ 19.72	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGA	$ 25.57	$ 25.50	$ 25.83	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLGR	$ 26.51	$ 26.42	$ 26.74	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLHH	$ 23.11	$ 22.99	$ 23.32	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLLE	$ 23.20	$ 23.12	$ 23.44	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRB	$ 23.14	$ 23.01	$ 23.33	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0		
WPBHFLRP	$ 34.54	$ 34.46	$ 34.78	$ 1,316,703	$ 0	$ 0	$ 0	$ 0	$ 1,316,703	$ 329,176	$ 987,527		
WWSPFLHI	$ 38.07	$ 38.01	$ 38.38	$ 1,039,910	$ 0	$ 0	$ 0	$ 0	$ 1,039,910	$ 259,977	$ 779,932		
WWSPFLSH	$ 33.51	$ 33.47	$ 33.81	$ 891,175	$ 0	$ 0	$ 0	$ 0	$ 891,175	$ 222,794	$ 668,381		
YNFNFLMA	$ 100.78	$ 100.71	$ 101.57	$ 1,765,595	$ 0	$ 29,926	$ 0	$ 0	$ 1,795,521	$ 448,880	$ 1,346,641		
YNTWFLMA	$ 117.16	$ 117.07	$ 117.67	$ 1,880,017	$ 0	$ 32,998	$ 0	$ 0	$ 1,913,015	$ 478,254	$ 1,434,761		
YULEFLMA	$ 66.57	$ 66.51	$ 66.99	$ 1,211,481	$ 0	$ 4,452	$ 0	$ 0	$ 1,215,933	$ 303,983	$ 911,950		