1		GULF POWER COMPANY Before the Florida Public Service Commission
2		Direct Testimony of
3		Michael T. O'Sheasy In Support of Rate Relief
4		Docket No. 891345-EI Date of Filing December 15, 1989
5	Q.	Please state your name, business address, and
6		occupation.
7	A.	Michael T. O'Sheasy, 64 Perimeter Center East,
8		Atlanta, Georgia 30346. I am a Senior Engineer in the
9		costing analysis section of the Marketing & Regulatory
10		Support Department of Southern Company Services.
11		lnc. (SCS).
12		
13	Q.	State briefly your educational background and
14		experience.
15	A.	1 received a Bachelor of Industrial Engineering from
16		Georgia Institute of Technology in 1970. In 1974, I
17		earned a Master's in Business Administration from
18		Georgia State University. From 1971 to 1975, I was
19		employed by the John W. Eshelman Company Division
20		of the Carnation Company as a plant superintendent
21		in their Chamblee, Georgia, operation. From 1975 to
22		1980. I worked for the John Harland Corporation
23		initially as an assistant plant manager and then as a
24		plant manager in their Jacksonville, Florida, plant
25		and finally as their plant manager in Miami, Florida.

1		I joined Southern Company Services in 1980 as an
2		engineering cost analyst and progressed through
3		various positions to the position which I now hold.
4		Since 1982, my work has focused on activities for Gulf
5		Power Company including cost-of-service support in
6		conjunction with regulatory activities before the
7		Florida Public Service Commission.
8		
9	Q.	What is the relationship between Southern Company
10		Services and Gulf Power Company?
11	A.	SCS is the service company for the operating companies
12		in The Southern Company public utility holding company
13		system. Its major function is to provide engineering
14		and advisory services to the Southern operating
15		companies upon request. These services are provided
16		to the operating companies at cost.
17		
18	Q.	Have you previously testified before this Commission?
19	A.	Yes. I testified before this Commission on behalf of
20		Gulf Power Company in Docket No. 850673-EU regarding
21		standby rates. I was the backup cost-of-service
22		witness for Gulf Power Company in its last completed
23		rate case. Docket No. 840086-EI, and was extensively
24		involved in the preparation of exhibits and MPRs in
25		that case. In addition, I was the cost-of-service

1		witness and submitted prefiled testimony and exhibits
2		in retail rate case Docket No. 881167-EI which was
3		withdrawn before hearings were held.
4		
5	Q.	What is the purpose of your testimony in this
6		proceeding?
7	λ.	The purpose of my testimony is to support the
8		development and results of the cost-of-service study
9		and other related analyses for the test year 1990.
0		
1	Q.	Have you prepared an exhibit that contains information
2		to which you will refer in your testimony?
3	A.	Yes.
4		COUNSEL: We ask that Mr. O'Sheasy's
5		Exhibit comprised of eight schedules
6		be marked for identification as
7		Exhibit No (MTO-1).
8		
9	Q.	Were all of the schedules in this exhibit prepared
0		under your supervision?
1	A.	Yes. Each schedule was prepared for Gulf Power
2		Company under my direction and supervision and was
3		prepared in the exact manner approved by this
4		Commission in its final order for Gulf Power Company's
5		last completed retail rate case, Docket No. 840086-EI.

O. What is a "cost-of-service study" and why is one 1 2 necessary? A. A "cost-of-service study" separates a utility's total 3 electric investments, revenues, and expenses among the jurisdictions which an electric utility serves and then among rate classes within each jurisdiction. In 6 order for a regulatory commission to review a 7 utility's earnings from the jurisdiction over which 8 that commission has responsibility and to evaluate the 9 contribution made by rates within that jurisdiction, 10 an analysis of the cost to serve the respective rate 11 classes is necessary. 12 13 Gulf Power Company, like other electric utilities, maintains its books and records in 14 accordance with the Uniform System of Accounts as 15 directed by the Federal Energy Regulatory Commission 16 (FERC) and this Commission. Although this system of 17 accounting reveals company-wide information, it does 18 not separate the Company's investments, revenues, and 19 expenses by jurisdiction or by rate classes within 20 jurisdiction. The cost-of-service study I have 21 performed for Gulf Power Company accomplishes this 22 objective for this Commission. 23

24

25

1 Q. How is a cost-of-service analysis performed? A. In order to determine the cost to serve each group of 2 customers of the regulatory jurisdictions in a fair 3 and equitable manner, the utility company's records are analyzed to determine how each group of customers 5 influenced the actual incurrence of cost by the utility. This review discloses certain direct costs 7 that can be assigned to the specific class that caused these costs to be incurred by the utility. 9 review also discloses costs which perform a function 10 within the electric system for various customer 11 classes, referred to as common costs, which are then 12 allocated to the various classes. 13 14 Please elaborate on the distinctions between various 15 0. 16 costs. Certain costs are directly associated with one 17 A. particular group of customers and are, therefore, 18 assigned to that group. For instance, Account 373 19 contains investment items associated with street 20 lighting and is, therefore, directly assigned to this 21 rate class. Many other costs, however, are used 22 jointly to serve numerous customer rate classes. An 23 example of this might be Account 312-Boiler Plant 24 Equipment. In order to allocate these common costs to 25

the rate groups, consideration must be given to the type and classes of customers, their load characteristics, their number, and various other expense and investment relationships in order to find the cost causative relationship between services provided and cost incurred.

Research of the cost causative relationship reveals that costs normally possess three attributes that identify the link between customer and company. This cost categorization or componentization can be viewed as: (1) <u>customer related</u>, which are those costs which vary with the number of customers or the fact that they are a customer; (2) <u>energy related</u>, which pertain to those costs that vary with KWHs; and (3) <u>demand related</u>, which are those costs that are incurred to serve peak needs for electricity.

Once the various common accounts have been analyzed to disclose their appropriate cost component(s), the corresponding allocator can be applied to apportion common cost to the area of responsibility. Then by summing these allocated common costs and assigned direct costs by jurisdiction and rate class and combining these costs with revenue received from each respective rate class, the rate of return for each group can be determined.

How was your study used by Gulf Power Company in this rate filing? 2 The jurisdictional separation of rate base and net 3 A. operating income developed in Schedules 1, 2, 3, and 4 of my exhibit was used by Mr. McMillan to determine 5 the proposed jurisdictional revenue increase needed in order to achieve the requested rate of return. These 7 jurisdictional separations were calculated according to accepted cost-of-service principles and followed 9 the methodology approved by the Commission. 10 Information from the cost-of-service study summary and 11 unit cost sheets shown in Schedule 8 was used by Mr. 12 Haskins as the primary basis for the design of 13 proposed rates in this docket. 14 15 Please explain the general makeup of your exhibit. 16 Q. Schedule 1 of my exhibit is the result of the 17 A. cost-of-service study in summary form for the 1990 18 test year utilizing the Company's present rates. It 19 shows the Company's total rate base, revenues, 20 expenses, and net operating income, and the 21 corresponding responsibilities of the retail 22 jurisdiction, as well as the rate classes within the 23 retail jurisdiction. The column denoted "Total All 24 Other Service" represents Gulf's wholesale customers, 25

1		while the remaining column represents Gulf's Unit
2		Power Sales customers, all of which are under the
3		jurisdiction of the FERC. Schedule 1.1 reveals the
4		overall rate of return for each class that will exist
5		under the Company's proposed rates.
6		
7	Q.	What section of the cost-of-service study describes
8		investment allocation?
9	A.	Schedules 2.1 through 2.5 describe investment
10		allocations. Schedules 2.1 and 2.2 show how Gross
11		Plant Investment and Accumulated Provision for
12		Depreciation are analyzed and allocated in accordance
13		with the reference notes. Schedule 2.3 produces the
14		allocation of Materials & Supplies, Schedule 2.4
15		apportions Other Working Capital, and Schedule 2.5
16		develops Other Rate Base items.
17		
18	Q.	What do the remaining schedules provide?
19	A.	Schedule 3 provides the Analysis of Revenues.
20		Schedule 4.1 details the allocation of O & M expenses
21		to jurisdiction and rate classes. Schedule 4.2
22		describes Depreciation expense allocation, and
23		Schedule 4.3 presents the Analysis of Taxes Other Than
24		Income Taxes. Schedule 5 contains the Table of
25		Allocators and Percentages. The results of these

1 various schedules, 2 through 5, are summarized in 2 Schedule 1. Schedule 6 states the MPRs for which I am responsible. Schedule 8 explains in more detail the 3 voltage levels of service. 5 6 What is the purpose of Schedule 8? 7 A. Gulf Power Company requested that I rerun the original 1990 test period cost-of-service study based upon a 8 9 correction to the original 12 MCP KW loads shown on MFR-E14. This correction is explained by Mr. Kilgore 10 in his testimony. Schedule 8 presents: (a) Present 11 12 Rate Summary, (b) Proposed Rate Summary, (c) MFR E-8a, The purpose of Schedule 8 is to 13 and (d) MFR E-8b. assist Mr. Haskins' in his rate design. 14 15 Please outline the actual development of the 16 0. cost-of-service study shown in your exhibit. 17 18 A. The development began with the collection and analysis of load research data. The number of customers and 19 their respective demand and energy sales by voltage 20 level of service were used to produce the allocators. 21 22 The load research data for the 1990 test year were supplied to us by Mr. Kilgore. Mr. Kilgore 23 provided total territorial supply and losses for 24 annual energy and for demand based upon the average of 25

1 the twelve monthly coincident peaks (12-MCP) projected 2 for 1990. In addition, annual energy sales, 12-MCP 3 demands, non-coincident peak demands (NCP), and the average number of customers for 1990 were given to us 5 by rate class and voltage level. These inputs were then used to calculate the "12-MCP," "NCP," "energy," 7 and "number of customers" allocators. 8 9 Please describe the 12-MCP and NCP concepts. 10 The 12-MCP demand is the sum of the highest kilowatt load predicted to occur in each month of 1990 divided 11 12 by twelve. This concept incorporates the fact that Gulf's system is planned and operated for the purposes 13 14 of meeting these demands for electricity every month 15 of the year. It also reflects a consideration for 16 scheduled maintenance, unscheduled outages, firm sales 17 and purchase commitments, and reliance on 18 interconnections. In addition, 12-MCP has been the FERC's preferred allocation technique for determining 19 20 wholesale jurisdictional obligations. 21 The 12-MCP allocation technique was combined with 22 1/13 of the energy allocator to produce a 12-MCP and 23 1/13 energy allocator deemed appropriate by this 24 Commission to allocate generation level costs within 25 the retail jurisdiction. Transmission and

subtransmission accounts were allocated upon the 1 2 12-MCP allocator. The NCP demand for each retail rate class is the 3 4 highest demand occurring for each respective rate class during the year. This method was used to 5 allocate distribution costs at Level 4 (primary distribution) and Level 5 (secondary distribution) and 7 was similarly employed in Gulf's last completed rate 8 9 case. 10 How were the loads developed for the Standby Service 11 Q. (SS) rate class? 12 The SS rate class reflects customers whose 13 A. self-generation is being backed-up by Gulf Power 14 Company generation. It is only these customers' 15 back-up service which is represented in the SS column; 16 their supplemental service is found in the standard 17 rate upon which their supplemental service is billed. 18 19 If this column represents only backed-up service, what 20 Q. type of 12-MCP responsibility do they possess? 21 The FPSC stated in Order No. 17159 that a reservation 22 A. charge will be calculated by assuming a 10 percent 23 forced outage rate. Also, a self generating customer 24 (SGC)'s outage experience for a particular month may 25

1	cause a daily demand charge to exceed their normal
2	reservation charge. The customer then pays the larger
3	of the reservation charge or daily demand charge.
4	This indeed is the inherent logic upon which Gulf's
5	tariff is based.
6	To be consistent then with the tariff and reflect
7	the load requirements which Gulf's planners must meet,
8	the monthly CPKW for each SS customer was calculated
9	by the following procedure:
10	a. If the customer incurred a reservation charge
11	only for the month in question, his CPKW
12	responsibility for the month was calculated
13	by multiplying his contracted back-up KW by
14	10 percent.
15	b. If the customer incurred a daily demand
16	charge for the month in question, his CPKW
17	responsibility for the month was calculated
18	by multiplying the daily billed KW times the
19	number of peak days billed divided by the
20	number of peak days in the month.
21	Their 12-MCP value was then developed by summing (a.)
22	and (b.) above and dividing by 12.
23	
24	Q. Why did you not merely pick off their contribution to the
25	system peak from their respective monthly load shape?

A. SS customers are anticipated to only need the 1 utilities' services during scheduled and unscheduled 2 maintenance of their equipment. As a result, their 3 demands on Gulf's system are erratic and difficult to predict. Therefore, a one-year snapshot of their experience would not necessarily be indicative of their typical load requirements of Gulf in following years, nor would it reflect the system requirements which Gulf planned for these customers. For example, 9 there is a good probability that the SGC would not be 10 down during the time of a monthly peak. However, it 11 would not be equitable to attribute no demand 12 responsibility to this customer during that month 13 since Gulf planned investment to handle a 10 percent 14 outage rate for this SGC. Similarly, if the customer 15 share of demand responsibility incurred an outage rate 16 greater than 10 percent, his should be correspondingly 17 greater. 18

19

20 Q. How did you determine KWH responsibility for SS

21 customers?

22 A. The results reflect the actual KWH predicted to be 23 requested during the test period by the SS customers.

24

How did you determine NCPKW responsibility for SS 1 customers? 2 As mentioned earlier, primary distribution and 3 A. secondary distribution costs are allocated upon NCPKW. Because of the erratic nature of SS loads and 5 the fact that Gulf only has four SS customers, any type of class load shape development would not be 7 reflective of the equipment Gulf had to place in 8 service in preparation for serving the customers' 9 eventual outage. As a result, we first looked at 10 contracted back-up KW which is the load requirement 11 for which Gulf planned distribution equipment. 12 13 How did you then utilize their contract KW for their 14 share of the NCP allocator? 15 We felt it would not be fair to charge SS customers in 16 A. the allocation process for the maximum load they could 17 ever incur on Gulf, basically their contract KW, while 18 charging other customers for their NCPKW which is 19 their respective contribution to the rate class peak. 20 Therefore, we converted the SS customers' contract KW 21 into "equivalent NCPKW." 22 23 How did you develop "equivalent NCPKM"? 24 0.

A sample of customers was drawn from each rate on

1 which the SS customers' supplemental billing 2 occurred. A factor was developed from the sample which used their NCPKW as a numerator and their 3 contract KW as a denominator. This factor was then 5 multiplied by the corresponding SS customer's contract KW to pare it down to "equivalent NCPKW." The result 7 then became their demand responsibility within the NCPKW allocator. 9 10 Do you believe that these methods for developing 0. 11 allocation factors produce accurate results for the SS rate class? 12 13 A. One must be very cautious when considering the SS rate 14 of return presented on the summary page of Schedule 1 of my exhibit. These procedures for developing 15 allocators are basically sound and are founded upon 16 the principles resulting from the Standby Rate Docket 17 18 No. 850673-EU. However, there are three major factors to consider here: 19 Standby customers' load requirements are very 20 1. different from firm customer load requirements. 21 The resulting allocators apportioned costs to 22 23 this standby class based upon the characteristics of his class. However, the rate revenue was 24 derived from a rate design based upon cost 25

characteristics of firm customers load 1 requirements modified to resemble perceived 2 standby requirements. This inherent difference 3 in revenue origin and cost allocation could produce unusual results. 5 There are only three standby customers actually 2. 6 requiring backup KW. Of these three, one of them 7 is nearly eight times the size of the remaining 8 9 two SS customers combined. In addition, the SS class is very, very small compared to the other 10

demand metered classes. It is potentially risky and dangerous to accept as totally accurate the results of an average embedded cost of service

results of an average embedded cost of service study of a rate with: (a) so few customers. (b)

15 with one customer who dominates the class, and

16 (c) inherently small compared to other demand

17 metered classes.

18 3. As already mentioned, standby loads, by their
19 nature are very erratic. Therefore, it is quite
20 doubtful that a single year observation will
21 necessarily be indicative of subsequent years.

22

11

12

23 Q. What conclusions should one draw from the rate of 24 return results for this class?

25 A. Because the rate of return is in a reasonable range,

given the possibilities for wide variations I have 1 2 just discussed, one can deduce that the cost allocation techniques are reasonable. However, one 3 should not infer that these results in their exactitude should control or dictate resultant rate 5 revenue requirements or rate design. 7 Let's go back to the overall study procedure. Can you Q. explain the steps involved in producing the demand and 9 energy allocators? 10 Balanced system load flows for demand and energy were 11 A. first developed through a load flow program which 12 spreads total system losses to each voltage level. 13 These levels, which are defined in more detail in 14 Schedule 7 - Levelization Definition, and Schedule 15 E-13 of the Minimum Filing Requirements (MFRs), are 16 used to describe the flow of electricity from 17 generation, through the various transformations, 18 across the various transmission and distribution 19 lines, and the eventual delivery to the customer. 20 The load flow process begins by taking the total 21 energy sales at Level 5, the secondary distribution 22 level, multiplies this by the historical loss 23 percentage at Level 5, and then combines these 24 calculated losses and sales. This amount is then 25

added to the sales at Level 4, and this new total is 1 in turn multiplied by the loss percentage at Level 4. 2 This procedure is continued up through Level 1, the 3 generation level. The program adjusts the loss percentages at each level and then repeats the above 5 process until the sum of the losses at each level matches the total system losses, and a balanced flow 7 is produced. These total system loss percentages are 8 then applied to the rate classes by voltage level. 9 thus computing energy allocators for each respective 10 voltage level. A similar process is used to calculate 11 the 12-MCP demand allocators. The NCP demand 12 allocators for Levels 4 and 5 are developed using the 13 loss percentages calculated by the 12-MCP demand flow 14 since there is no territorial input for NCP with which 15 to balance. 16 17 What was the next phase in the development of Gulf 18 Power Company's cost-of-service study? 19 Mr. Scarbrough provided the financial information for 20 the projected test year. These investment, revenue, 21 and expense items were then assigned to jurisdiction 22 and rate if a direct cost causative relationship was 23 known or allocated to jurisdiction and rate using the 24 previously developed allocators. 25

How were the Unit Power Sales (UPS) treated for cost-of-service purposes? Investment, revenues, and expenses associated with UPS 3 A. were identified and removed from the Total Electric System. The remaining investment, revenue, and 5 expense items were then allocated to the retail and wholesale jurisdictions and the rates within the 7 retail jurisdiction. This method is consistent with 8 the methodology filed by Gulf and approved by this 9 Commission in Gulf's last rate case. 10 11 How were the allocations made between the wholesale 12 0. and retail jurisdictions? 13 The jurisdictional separation was based upon the 14 12-MCP allocation concept. Again, this methodology is 15 consistent with the one approved in Gulf's last rate 16 case. The methodology also conforms with MFR E-1 and 17 has been the preferred method of the FERC for 18 jurisdictional separation. 19 20 On Schedule 8 of your exhibit, the jurisdictional 21 separation factors supplied vary from Schedules 1 22 through 5 of your exhibit. Is the difference 23 material? 24 A. There is no material difference between the studies.

1		A correction was addressed in Mr. Kilgore's testimony,
2		and I provided Schedule 8 to Mr. Haskins as a starting
3		point for rate design. The effect of the correction
4		on the jurisdictional separation is insignificant. I
5		do believe that Schedule 8 provides more correct
6		results for rate design purposes.
7		
8	Q.	Can you describe the analysis within the retail
9		jurisdiction?
10	A.	The techniques for allocation within the retail
11		jurisdiction conform with those approved by this
12		Commission in its final order for Gulf's last
13		adjudicated rate case. Generation level accounts were
14		allocated on the basis of 12-MCP and 1/13 energy.
15		Energy related accounts were allocated upon the KWH
16		allocator. Transmission and subtransmission were
17		allocated upon the 12-MCP concept. Primary and
18		secondary distribution were apportioned on the
19		corresponding NCP allocators, and customer related
20		cost upon the respective customer allocator.
21		
22	Q.	Did you utilize the Minimum Distribution System for
23		defining customer related costs?
24	A.	No. In Order No. 11498 issued in Docket No.
25		820150-EU, the Commission's preference for defining

customer component costs was noted by the statement, 1 "In the last three electric utility rate cases, we 2 have determined that only the meter and service drop portion of the distribution system are properly classified as customer related." In order to conform 5 with Commission policy, the Minimum Distribution System concept was not employed in this study. 7 You stated that the concepts utilized within the study 9 0. are in compliance with the directives of the 10 Commission in its final order for Gulf Power Company's 11 last rate case. Do you agree with all of the 12 Commission's stated allocation concepts? 13 A. No, not necessarily. The fact that we have utilized 14 them in our study should not be construed as our 15 agreement with the theory. We do not necessarily 16 believe that 1/13 of our production plant should be 17 energy related: however, the results of this technique 18 do not diverge dramatically from results of concepts 19 we do believe. Furthermore, we still believe that the 20 Minimum Distribution System is the correct methodology 21 for ascertaining customer related cost. 22 The Company believes everyone's interest will 23 best be served by focusing on more revenue sensitive 24 issues and not clouding this particular case with any 25

somewhat controversial cost-of-service allocation methodologies. In your opinion, are the results of the cost-of-service study accurate representations of the rates of return? Most definitely. The cost-of-service results shown on Schedule 1 of my exhibit are indeed fair and accurate statements of the rates of return produced by jurisdiction and by rate class for Gulf Power Company's 1990 test year. Does this conclude your testimony? Yes, it does.

AFFIDAVIT

STATE OF FLORIDA)
COUNTY OF ESCAMBIA)

Before me the undersigned authority personally appeared Michael T. O'Sheasy, who first being duly sworn, says that he is the witness named in the testimony to which the Affidavit is attached; that he prepared said testimony and any exhibits included therein on behalf of Gulf Power Company in support of its petition for an increase in rates and charges in Florida Public Service Commission Docket No. 891345-EI; and that the matters and things set forth herein are true to the best of his knowledge and belief.

Dated at Atlanta, Georgia this 8th day of December, 1989.

Michael T. O'Sheasy

Sworn to and subscribed before me this 8th day of December, 1989.

Notary Public

Notary Public, Dekalb County, Georgia My Commission Expires Jan. 20, 1991

EXHIBIT OF MICHAEL T. O'SHEASY

Contents

Schedule 1	Present Rate Summary for 12 Months Ending December 31, 1990
Schedule 2	Analysis of Investment for 12 Months Ending December 31, 1990
Schedule 3	Analysis of Revenues for 12 Months Ending December 31, 1990
Schedule 4	Analysis of Expenses for 12 Months Ending December 31, 1990
Schedule 5	Table of Line Allocators and Percentages for 12 Months Ending December 31, 1990
Schedule 6	Responsibility for Minimum Filing Requirements
Schedule 7	Levelization Definition
Schedule 8	Summary and Unit Cost for Revised 12 Months Ending December 31, 1990

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Page 2

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31,1990 12/13 DEMAND ALLOCATION PRESENT RATE SUMMARY

Line No.	Footnote Label	
1.	(A)	From "Analysis of Gross Plant."
2.	(B)	man singlusie of accumulated Depreciation.
4.	(c)	man standards of Materials and Dupplies.
5.	(D)	damaissais of Other Working Capical.
6.	(E)	From "Analysis of Other Rate Base Items."
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8.	(E)	
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10.	(E)	
11.	(E)	From "Analysis of Revenues."
13.	(F)	
14.	(F)	
15.	(F)	
16.	(F)	From "Analysis of Operations and Maintenance
18.	(G)	
		Expense." From "Analysis of Depreciation Expense."
19.	(H)	Allocated per Depreciation Expense; UPS directly
20.	(I)	
		assigned. Allocated per Total Production Gross Plant excluding
21.	(J)	
		From "Analysis of Taxes Other Than Income Taxes."
22.	(K)	From "Analysis of lakes other than
23.	(K)	
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25.	(K)	
26.	(K)	Income Taxes allocated per formula RC - KI = T:
29.	(Ŀ)	where T = Total Income Taxes, R = Operating I = Total C = Combined Effective Tax Rate of 0.3763, I = Total Electric Investment, and K = Income Tax Deduction Investment, and K = Income Tax Deduction
30.	(M)	Retail portion allocated per Retail Rate Base; Total All Other and UPS directly assigned.

Pioride Public Service Commission

Booket No. 881345-EI
GALF POWER COMPANY
Witness: 0'Sheesy
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Schedule 1.1

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CONTRA MEDING DECEMBER 31, 1990

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GALF POWER COMPANY
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GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31,1990 12/13 DEMAND ALLOCATION PROPOSED RATE SUMMARY

Line No.	Footnote Label	
1.	(A)	From Present Rate Summary.
2.	(A)	
3.	(B)	Provided by Rates & Regulatory Matters, Gulf Power Company.
5.	(A)	
6.	(c)	Allocated upon Proposed Revenue.
	(D)	Operating Income equals Total Revenue minus Total
8.	(5)	Expenses.
9.	(A)	
10.	(E)	Proposed Income Tax Increase calculated by multiplying Proposed Revenue minus Proposed Expense Increase times Effective Tax Rate of 0.3763.
12.	(P)	Net Operating Income equals Operating Income less
13.	(G)	Rate of Return equals Net Operating Income Divided by Total Electric Investment.

Florida Public Service Con	mission
Docket No. 891345-E1	
BULF POWER COMPANY	
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Florida Public Service Commission Booket No. 801345-EI GAF POMER COMPANY Vitness: 0'Shuasy Exhibit No. ____(NTO-1) Schedule 2.1 Page 6 Page 6

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Page 7

	1990		
CULT PORTER COMPANY	12 MONTES EMPINO DECEMBER 31,	12/13 DEPOSED ALLOCACTOR	MENATURE OF CHORS PLAST

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2 51	TOTAL MARC. GROSS PLANT	1,009,231	711,611	80,348	262,661	184,780	68, 906	2,701	25		1, 278, 623	7	161,652	
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2	TOTAL GROSS PLANT	1,681,703	711, 611	80, 245	262, 941	166, 227	68, 500	16, 573	\$04	2,113	2,113 1,278,623	34, 628	141,692	

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF GROSS PLANT

Line	Footnote Label	
1.	(A)	Retail jurisdiction sum of Lines 2 and 3; Total All Other allocated per Level 1 Demand Allocator; UPS
	(9)	Allocated per Level 1 Demand Allocator.
2.	(B) (C)	Allocated per Level 1 Energy Allocator.
4.	(D)	Allocated per Level 2 Demand Allocator.
5.	(E)	Allocated per Level 3 Demand Allocator.
7.	(D)	
9.	(D)	
10.	(E)	
12.	(F)	Specific Assignment.
13.	(D)	
14.	(E)	
16.	(D) (D)	
18.	(D)	
19.	(D)	
20.	(D)	
22.	(P)	
23.	(E)	
24.	(G)	Allocated per Level 4 NCP Demand Allocator.
25.	(F)	Allocated per Level 5 NCP Demand Allocator.
26.	(H)	Allocated per Level 5 Nor Demand Allocator.
29.	(F) (E)	
30.	(F)	
31.	(G)	
32.	(F)	
34.	(F)	
35.	(D)	
36.	(F)	
37.	(E)	
38.	(F)	
39.	(G)	
42.	(F) (G)	
43.	(1)	Allocated per Average Number of Customers at Level 4.
45.	(G)	
46.	(3)	Allocated per Average Number of Customers at Level 5
		excluding OSIII.
48.	(G)	
49.	(I)	
51.	(G)	
52.	(I)	
54.	(H)	

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Black Power Company
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GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF GROSS PLANT

Line No.	Footnote Label	
55.	(K)	Allocated per Average Number of Common Customers at Level 5.
57.	(F)	
58.	(F) (L)	Allocated per Average Humber of Customers at Level 5 excluding OS and OSIII.
60.	(F)	
61.	(P)	
65.	(N)	Allocated per corresponding Salaries and Wages; UPS directly assigned.
66.	(M)	
67.	(N)	
68.	(N)	
69.	(N)	Assigned to All Other.

Florido Public Service Commission Bocket No. 891345-E1 GULF PONER COMPANY Witness: O'Sheay Exhibit No. ___(NTO-1) Schedule 2.2 Page

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	84		PERSONAL	
	SCHOOL BEDIEG DECEMBER 31, 1990	12/13 DEBESS ALLOCATION	CALTELS OF ACCRETATED DEPRECIATION IN	
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Florida Public Service Commission
Bocket Ro. 891345-EI
GUAF POWER COMPANY
Witness: O'Sheasy
Exhibit No. (NTO-1)
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Page 11

OTLY POSES COMPANY THE BESTER DECEMBER 31, 1990 12/13 DESIGN ALLOCATION ACCOUNTS OF THE PERSONS ACCOUN	19900.91
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		467.500	283.487	17,616	93,934		33,910	4,831	381				

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GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF ACCUMULATED DEPRECIATION RESERVE

Line No.	Footnote Label	
1.	(A)	Retail jurisdiction sum of Lines 2 and 3; Total All Other allocated per Level 1 Demand Allocator; UPS directly assigned. Excludes Daniel Coal Cars and base coal adjustment. Includes JDITC adjustment.
2.	(B)	Allocated per corresponding Gross Plant.
3. 4.	(B) (C)	Allocated per Transmission Account 350 Gross Plant, (Lines portion only); UPS directly assigned.
5.	(D)	Allocated per corresponding Transmission Gross Plant UPS directly assigned.
6.	(D)	
7.	(D)	
8.	(D)	
9.	(D)	
10.	(B)	
11.	(D)	Allocated per Gross Investment in Account 360.
13.	(E)	Allocated per Gross Investment In Account 500.
14.	(B)	
15.	(B)	
16.	(B) (B)	
19.	(B)	
20.	(B)	
22.	(B)	
23.	(B)	
25.	(B)	
26.	(B)	
28.	(B)	
29.	(B)	
31.	(B)	
32.	(B)	
33.	(B)	
37.	(P)	Allocated per corresponding Gross Investment in Electric General Plant; UPS directly assigned. Includes reserve imbalance and JDITC adjustment.
38.	(F)	
39.	(P)	
41.	(G)	Assigned to All Other.

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Florida Public Service Commission
Backet No. 891345-EI
GULF POWER COMPANY
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GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF MATERIALS AND SUPPLIES

1.	(A)	Retail jurisdiction sum of Lines 2 and 3; Total All Other allocated per level 1 Demand Allocator; UPS
5.474		directly assigned.
2.	(B)	Allocated per Level 1 Demand Allocator.
3.	(C)	Allocated per Level 1 Energy Allocator.
4.	(D)	Allocated per Level 2 Demand Allocator; UPS directly
5.	(E)	Allocated per Gross Investment in Transmission Substations excluding UPS.
7.	(F)	Allocated per demand-related Distribution Gross Plant
8.	(G)	Allocated per customer-related Distribution Gross
10.	(H)	Allocated per Customer Accounts O & M.
	771	Allocated per Total Customer Assistance O & M less
11.	(I)	Freray Cost Conservation.
12.	(3)	Allocated per Customer Assistance O & M Energy Cost Conservation.

							Witness: Exhibit I Schedule		Page 15
1	100	*****	•		.dzz			•••• 22••	
	211. OTHER SERVICE (13)	88***	•	1	22		••••	••••	
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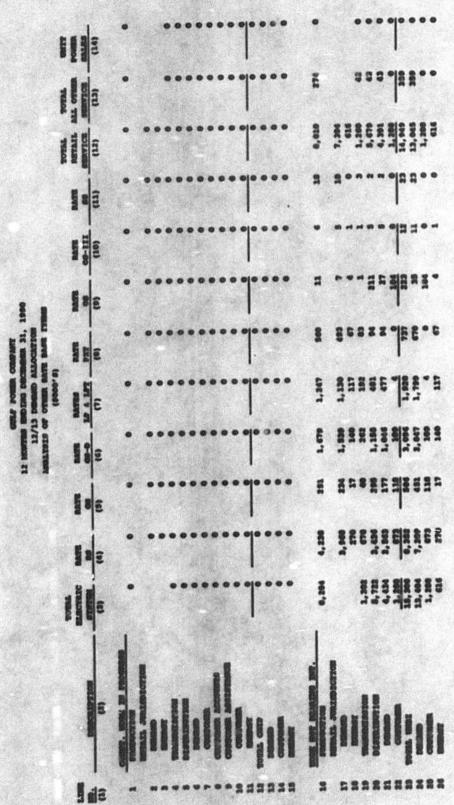
GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OTHER WORKING CAPITAL

Line	Footnote	
No.	Label	
1.	(A)	Allocated per Total Expenses less Production Energy related 0 & M, Income taxes, and Non-Cash Items. UPS directly assigned.
2.	(B)	Allocated per corresponding Total Expenses less Production Energy related O & M, Income Taxes, and Non-Cash Items. UPS directly assigned.
3.	(B)	
4.	(B)	
5.	(B)	The state of the s
6.	(C)	Allocated per corresponding Gross Plant; UPS directly
	(0)	Allocated per corresponding Gross Plant.
7.	(D) (D)	Altocated per corresponding cross resilies
9.	(c)	
10.	(D)	
11.	(D)	
12.	(D)	
13.	(E)	Allocated per corresponding Operations and
14.	(E)	Maintenance Expense.
15.	(E)	
16.	(E)	
21.	(F)	Allocated per corresponding Salaries and Wages; UPS directly assigned.
22.	(G)	Allocated per corresponding Salaries and Wages.
23.	(G)	
24.	(F)	
25.	(G)	
26.	(G) (G)	
28.	(G)	
29.	(G)	
30.	(G)	
31.	(G)	Allocated per Production Gross Plant. UPS directly
36.	(H)	assigned.
37.	(1)	Allocated per corresponding Production Gross Plant.
38.	(1)	
39.	(H)	
40.	(I)	
41.	(I)	and the design of the state of
42.	(3)	Allocated per corresponding Net Plant. UPS directly assigned.
43.	(3)	
44.	(R)	Allocated per corresponding Net Plant.
45.	(K)	
		THE RESIDENCE OF THE PARTY OF T

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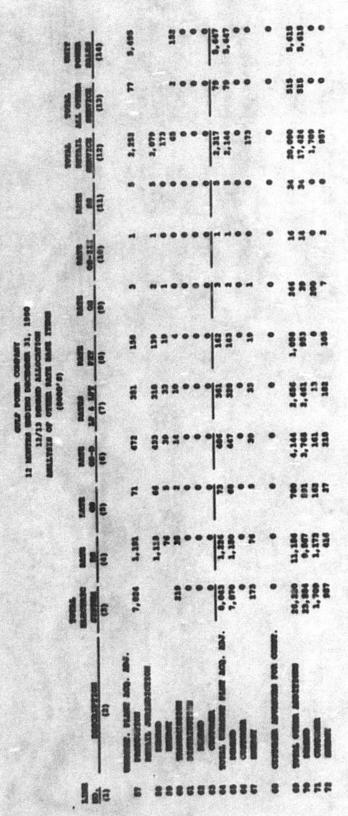
12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OTHER WORKING CAPITAL

Line No.	Footnote Label						
46.	(c)						
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62.	(I)						
63.	(I)						
64.	(L)	Allocated	per	Retail	Revenue	from	Sales.



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Floride Public Service Commission
Docket No. 801345-E1
GRE POWER COMPANY
Witness: 0'Sheasy
Exhibit No. ____(NTO-1)
Schodule 2.5
Page 21



Florida Public Service Commission Bocket No. 891345-E1 GULF POWER COMPANY Witness: 0'Sheasy Exhibit No. ___(NTO-1) Schedule 2.5 Page 2:

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OTHER RATE BASE ITEMS

Line No.	Footnote Label	
1.	(A)	Allocated per corresponding Gross Plant excluding UPS.
2. 3. 4. 5. 6. 7.	(B) (B) (A) (B) (B)	Allocated per corresponding Gross Plant.
8.	(c)	Allocated per corresponding Operations and Maintenance expense.
9.	(c)	
11.	(C) (A)	
17.	(B)	
18.	(B) (A)	
20.	(B)	
21.	(B) (B)	
27.	(A)	
28.	(B)	
29.	(B) (A)	
31.	(A)	
32.	(B)	
33.	(B) (D)	Allocated per Production Gross Plant. UPS directly
		assigned.
40.	(B)	
41.	(B) (E)	Allocated per corresponding Salaries and Wages; UPS
***	(2)	Aimagely segigned.
43.	(F)	Allocated per corresponding Salaries and Wages.
44.	(F) (E)	
46.	(P)	
47.	(P)	
48.	(F)	
49. 50.	(F) (F)	
51.	(F)	
52.	(F)	
57.	(A)	
58.	(B)	

Florida Public Service Commission Backet No. 891345-E1 GAF POWER COMPANY Witness: G'Sheasy Exhibit No. ___(NTO-1) Schedule 2.5 Page 23

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OTHER RATE BASE ITEMS

Line No.	Footnote Label	
59.	(B)	
60.	(B)	
61.	(B)	
62.	(B)	
63.	(B)	
68.	(G)	Specific Assignment.

Florids Public Service Coumission
Booket No. 801345-21
BULF FOWER COMPANY
Witness: O'Sheasy
Exhibit No. (NTO-1)
Schedule 3 Page 24

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Florida Public Service Commission
Backet No. 801345-E1
BALF POWER COMPANY
Witness: 0'Sheasy
Exhibit No. ____(NTO-1)
Schedule 3 Page 25

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF REVENUES

Line No.	Footnote Label	
1.	(A)	Provided by Gulf Power Company.
2.	(B)	Allocated per Retail MWH Sales.
4.	(A)	
5.	(A)	
6.	(A)	
7.	(A)	
8.	(c)	Allocated per retail revenue from sales.
9.	(A)	
10.	(A)	
11.	(A)	
12.	(A)	
14.	(D)	Allocated per Level 3 Demand Allocator.
THE RESERVE OF THE PARTY OF THE		Allocated per Total Gross Plant excluding UPS
15.	(E)	Allocated per Distribution Gross Plant in Account
16.	(F)	
17	(G)	Allocated per Production Gress Plant excluding UPS.
17.		Allocated per Total Salaries and Wages.
	(H)	Allocated per Level 2 Demand Allocator; UPS directly
20.	(1)	assigned.
21.	(J)	Assigned to All Other.
23.	(K)	Allocated per Level 1 Demand Allocator; UPS directly assigned.
24.	(L)	Allocated per Level 1 Energy Allocator; UPS directly assigned.
27.	(C)	
28.	(3)	

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Docket No. 881345-E1 SARF POMER COMPANY Witness: 0'Sheesy Exhibit No. (NTO-1) Schedule 4.1

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Florida Public Service Commission Booket No. 891345-E1 GALF POWER COMPANY Vitness: 0'Sheasy Exhibit No. (NTO-1) Schedule 4.1 Page 30

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Floride Public Service Commission Booket No. 891345-EI BURF PONTE COMPANY Vitness: 0'Sheesy Exhibit No. (NTO-1) Schedule 4.1 Page 3

Page 31

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Floride Public Service Commission Bucket Bo. 881345-EI GREF POWER COMPANY Vitness: 0'Sheasy Exhibit Bo. (NTO-1) Schedule 4.1 Page 33

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OPERATIONS & MAINTENANCE EXPENSE

Line	Footnote	
No.	Label	
1.	(A)	Allocated per Level 1 Demand Allocator; UPS directly assigned.
2.	(B)	Allocated per Level 1 Energy Allocator; UPS directly assigned.
3.	(B)	
5.	(A)	
6.	(B)	
8.	(A)	
9.	(B) (C)	Allocated per Level 1 Demand Allocator; UPS directly assigned. Excludes associated EPRI dues.
12.	(B)	
14.	(A)	
16.	(A)	
17.	(A)	
18.	(A)	
19.	(B)	
22.	(A) (B)	
24.	(A)	
25.	(B)	
29.	(D)	Allocated per Level 1 Energy Allocator.
30.	(D)	
32.	(E)	Allocated per Level 1 Demand Allocator.
33.	(D)	
36.	(D)	
37.	(E)	
40.	(D) (E)	
41.	(D)	
43.	(E)	
44.	(D)	
52.	(P)	Allocated per Level 1 Demand Allocator; UPS directly assigned.
53.	(B)	
54.	(B)	
57.	(E)	
58. 63.	(D) (A)	
64.	(B)	
72.	(G)	Allocated per Level 2 Demand Allocator; UPS directly assigned.
73.	(題)	Allocated per Transmission Substations Gross Plant; UPS directly assigned.
74.	(I)	Allocated per Transmission Lines Gross Plant; UPS directly assigned.

Florida Public Service Commission Booket No. 801345-EI GULF POWER COMPANY Wilcons: 0'Shanny Exhibit No. ____(NYO-1) Schadule 4.1 Page Page 34

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION
ANALYSIS OF OPERATIONS & MAINTENANCE EXPENSE

(Continued)

Line	Footnote Label	
75. 77.	(J) (K)	Allocated per Transmission Account 358 Gross Plant. Allocated per Subtotal of Transmission Operations O & M; UPS directly assigned.
78.	(L)	Allocated per Subtotal of Transmission Operations OSM; UPS directly assigned. Excludes associated EPRI dues.
79.	(K)	
81.	(H)	Allocated per sum of Transmission Accounts 352, 354, and 355 Gross Plant; UPS directly assigned.
82.	(N)	Allocated per Transmission Account 353 Gross Plant; UPS directly assigned.
83.	(I)	
85.	(0)	Allocated per Subtotal of Transmission Maintenance O & M: UPS directly assigned.
86.	(0)	
89.	(P)	Allocated per Level 3 Demand Allocator.
90.	(0)	allocated mer Distribution Substations Gross Plant.
91.	(R)	Allocated per corresponding Distribution Account 368 Gross Plant.
92.	(R)	
94.	(R)	
95.	(R)	
97.	(8)	Allocated per Distribution Account 373 Gross Plant.
98.	(T)	allocated ner Distribution Account 370 Gross Plant.
99.	(0)	Per analysis of information provided by Gulf Power
101.	(V)	Allocated per Distribution Account 369 Gross Plant.
102.	(U)	
107.	(w)	Allocated per corresponding Subtotal of Distribution Operations O & M.
108.	(W)	
110.	(W)	
111.	(W)	
113.	(W)	
114.	(x)	Allocated per corresponding Subtotal of Distribution Operations O&M. Excludes associated EPRI dues.
117.	(Y)	silested mer histribution Account 361 Gross Plant.
118.	(2)	Allocated per Distribution Account 362 Gross Plant.
119.	(0)	
120.	(AA)	Allocated per Common portion of Distribution Accounts 364 and 365.
121.	(BB)	Allocated per Customer portion of Distribution Accounts 364, 365, and 369 - other services Gross Plant.

Page 35

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OPERATIONS & MAINTENANCE EXPENSE

(Continued)

Line No.	Footnote Label	
124.	(cc)	Allocated per Common portion of Distribution Accounts 366 and 367 Gross Plant.
125.	(DD)	Allocated per Customer portion of Distribution Accounts 366 and 367 Gross Plant.
127.	(R)	
128.	(R)	
130.	(5)	
131.	(T)	
135.	(EE)	Allocated per corresponding Subtotal of Distribution Maintenance O & M.
136.	(EE)	
138.	(EE)	
139.	(EE)	
145.	(PP)	Direct assignment to rate provided by Gulf Power Company.
146.	(GG)	Allocated per Average Number of Customers. Includes Account 911.
147.	(HH)	Provided by Gulf Power to Class. Allocated to rate based on analysis of average number of customers within class.
148.	(HH)	
149.	(HH)	
150.	(HH)	
152.	(HH)	
153.	(HH)	
154.	(II)	Allocated per Retail MWH Sales.
155.	(II)	어른 사람들이 어린 사람들이 있었다. 나를 하는 사람들이 불어나는 사람들이 되었다.
156.	(33)	Retail jurisdiction sum of corresponding demand and energy pieces; Total All Other allocated per Level 1 Demand Allocator; UPS directly assigned.
155.	(E)	
160.	(D)	the same plants the Almostic
161.	(ICK)	Allocated per Transmission Gross Plant; UPS directly assigned.
162.	(LL)	Allocated per corresponding Distribution Gross Plant
163.	(LL)	
164.		
165.	(101)	Allocated per Customer Accounts 0 & M.
166.	(MM)	Allocated per corresponding Customer Assistance O & N.
167.	(100)	
168.	(100)	
173.	(00)	Allocated per Retail Revenue from Sales.

Florida Public Service Commission Bocket No. 801345-EI GREF PORT COMPANY Witness: 0'Shasay Exhibit No. ___(NTO-1) Schedule 4.1 Page 36

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF OPERATIONS & MAINTENANCE EXPENSE

(Continued)

Line	Footnote Label	
174.	(PP)	Assigned to Total All Other.
176.	(II)	
177.	(00)	Allocated per Retail portion of Level 1 Energy Allocator.
		Includes an adjustment for Chamber of Commerce and Lobbying.
178.	(U)	
179.	(RŔ)	Allocated per corresponding Salaries and Wages; UPS directly assigned. Includes Area Development advertising adjustment.
180.	(RR)	
181.	(RR)	
182.	(RR)	
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187.	(II)	

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Florida Public Service Commission lacket No. 801345-El MALF POWER COMPANY (11thens: 0'Sheey inhibit No. (NTO-1) ichedule 4.2 Page 3

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Florida Public Service Commission Booket No. 891345-E1 GRAF POWER COMPANY Witness: O'Sheasy Exhibit No. (NTO-1) Schedule 4.2 Page 39

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF DEPRECIATION EXPENSE

Line No.	Footnote Label	
1.	(A)	Retail jurisdiction sum of Lines 2 and 3; Total All Other Allocated per Level 1 Demand Allocator; UPS directly assigned. Excludes Coal Cars and Base Coal adjustment.
2.	(B)	Allocated per Level 1 Demand Allocator.
3.	(c)	Allocated per Level 1 Energy Allocator.
The second secon		Allocated per Transmission Account 350 Gross Plant
4.	(D)	(Lines portion only); UPS directly assigned.
5.	(E)	Allocated per corresponding Transmission Gross Plant account: UPS directly assigned.
6.	(E)	
7.	(E)	
8.	(E)	
9.	(E)	
10.	(E)	
11.		
	(E)	Allocated per corresponding Distribution Gross Plant
13.	(F)	account.
14.	(P)	
15.	(F)	
16.	(F)	
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28.	(P)	
29.	(P)	
31.	(P)	
32.	(P)	
33.	(P)	
37.	(G)	Allocated per corresponding Gross Plant; UPS directly assigned. Excludes transportation.
38.	(G)	
39.	(G)	
40.	(G)	

Pioritis Public Service Commission Booket No. 891345-EI GELF POSER COMPANY Witness: 6'Sheesy Exhibit No. ____(NTO-1) Schedule 4.3 Page

Page 40

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Florida Public Service Commission Backet No. 801345-EI GRAF POWER COMPANY Witness: 0'Sheasy Exhibit No. (NTO-1) Schedule 4.3 Page 41

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GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF TAXES OTHER THAN INCOME TAXES

Line No.	Footnote Label	
1.	(A)	Retail jurisdiction sum of Lines 2 and 3; Total All Other Allocated per Level 1 Demand Allocator; UPS directly assigned.
2.	(B)	Allocated per Level 1 Demand Allocator.
3.	(c)	Allocated per Level 1 Energy Allocator.
4.	(D)	Allocated per Transmission Gross Plant ; UPS directly
5. 6.	(E)	Allocated per corresponding Distribution Gross Plant.
7.	(E) (F)	Allocated per corresponding Operations and Maintenance Expense.
9.	(F)	
10.	(F)	
11.	(F)	
16.	(G)	Allocated per corresponding Salaries and Wages; UPS
17. 18. 19. 20. 21. 22. 23.	(H) (H) (G) (H) (H) (H) (H)	Allocated per corresponding Salaries and Wages.
25. 26.	(H)	Allocated per Retail MWH Sales.
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Florida Public Service Commission Bucket No. 801345-EI GAF POWER COMPANY Witness: 0"Sheasy Exhibit No. (NTO-1) Schedule 5

Page 45

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31, 1990 12/13 DEMAND ALLOCATION ANALYSIS OF LINE ALLOCATORS AND PERCENTAGES

Line No.		
1.	(A)	Energy at point of generation.
2.	(B)	Percent of above lines total.
3.	(C)	Total sales of energy with no adjustments for losses
4.	(B)	
5.	(D)	Coincident peak demand at levels 1 & 2.
6.	(B) (E)	Coincident peak demand at level 3.
8.	(B)	coincident peak demand at level 3.
9.	(F)	Noncoincident peak demand at level 4.
10.	(B)	Ronoozhozdono pour demana eo seco.
11.	(G)	Noncoincident peak demand at level 5.
12.	(B)	
13.	(H)	Average number of customers at levels 4 & 5.
14.	(B)	
15.	(I)	Average number of customers at level 5.
16.	(B)	
17.	(3)	Total average number of customers at all levels.
18.	(B)	Date (1) Transportation and 20 to 20
19.	(K)	Retail Jurisdiction sum of lines 2 & 3; Total All Other and Total Retail Service Allocated per Level 1 Demand Allocator.
20.	(L)	Allocated per level 1 Demand Allocator.
21.	(M)	Allocated per level 1 Energy Allocator.
22.	(B)	
23.	(N)	Allocated per Total Transmission O & M Expense excluding UPS.
24.	(B)	
25.	(0)	Allocated per Distribution O & W Demand piece.
26.	(P)	Allocated per Distribution O & M Customer piece.
28.	(B)	Allowed and an arrange frames and address
29.	(0)	Allocated per Customer Accounts Expense excluding UPS.
30.	(B)	
31.	(R)	Allocated per Customer Assistance Customer piece excluding UPS.
32.	(S)	Allocated per Customer Assistance Energy piece excluding UPS.
34.	(B)	
40.	(T)	Allocated per Subtotal Salaries and Wages.

Florida Public Service Commission Booket No. 801345-EI GALF FOWER COMPANY Vitness: 6"Shaesy Exhibit No. ___(NTO-1) Schedule 6 Pag

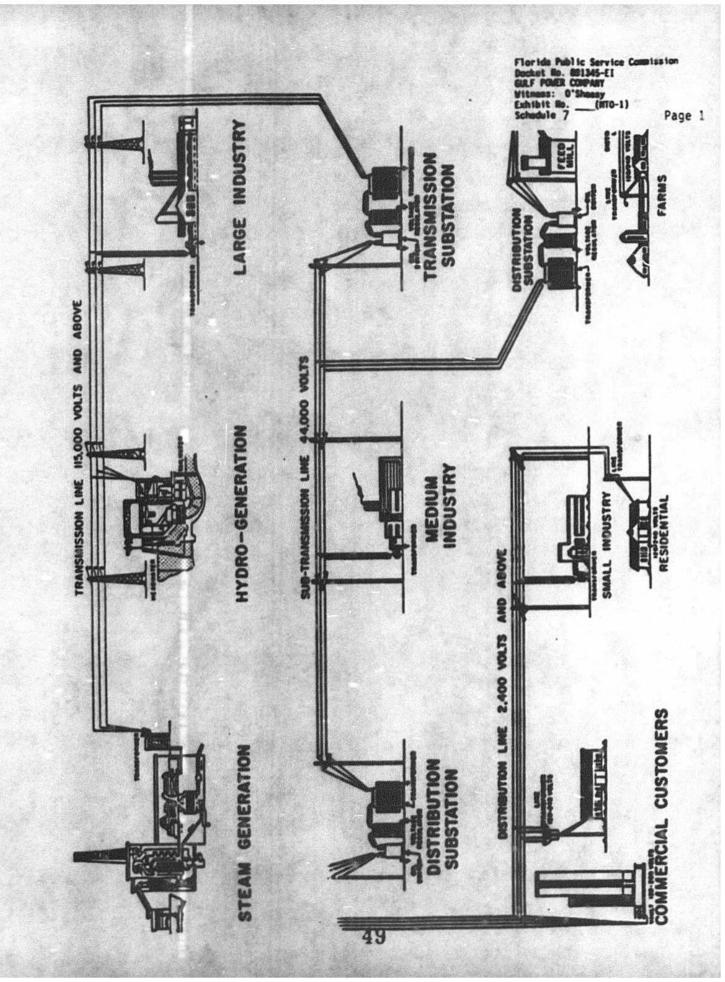
Page 1

RESPONSIBILITY FOR MINIMUM FILING REQUIREMENTS

Schedule No.	<u> Title</u>
B-7	Jurisdictional Separation Factors-Rate Base
C-9	Jurisdictional Separation Factor-Net Operating Income
E-1	Cost of Service Studies
E-2	Explanation of Variations From Cost of Service Study in Company's Last Rate Case
E-3a	Cost of Service Study-Rates of Return by Rate Schedule (Present Rates)
E-3b	Cost of Service Study-Rates of Return by Rate Schedule (Proposed Rates)
E-5a	Cost of Service Study-Allocation of Rate Base Components to Rate Schedule
E-5b	Cost of Service Study-Allocation of Expense Components to Rate Schedule
E-6a	Cost of Service Study-Functionalization and Classification of Rate Base
E-6b	Cost of Service Study-Functionalization and Classification of Expenses
E-7	Source and Amount of Revenues-At Present and Proposed Rates
E-8a	Cost of Service Study-Unit Costs, Present Rates
E-8b	Cost of Service Study-Unit Costs, Proposed Rates
E-9	Detailed Breakdown of Customer Unit Costs
E-12	Cost of Service-Load Data
E-13 ·	Cost of Service Study-Development of Allocation Factors

Florida Public Service Commission Booket No. 891345-EI GULF POWER COMPANY Witness: 6'Shapay Exhibit No. (NTO-1) Schadule 5 Page 2

Schedule No.	Iitle
E-14	Development of Coincident and Noncoincident Demands for Cost Study
E-19	Customers by Voltage Level
E-27a	Demand and Energy Losses
E-27b	Energy Losses by Rate Schedule
E-27c	Demand Losses by Rate Schedule



Floride Public Service Commission Booket No. 891345-EI GALF POWER COMPANY Witness: 0'Sheesy Exhibit No. (NTO-1) Schedule 7 Page

Page 2

GULF Power Company Service Level Designation And **Power Flow Diagram**

1	Territorial Input (Production)
2	Transmission Step-up Substations Transmission Subs maintaining GRID flow Transmission Lines (46 KV to 230 KV)
3	Transmission and Distribution Substations
	Primary Distribution Lines (25 KV and lower)
5	Secondary Distribution (Line Transformers)

Indicates direction of power flow

Florida Public Service Commission
Docket No. 881345-EI
GULF PUMER COMPANY
Witness: 0'Sheasy
Exhibit No. ____(NTO-1)
Schedule 7 Page 3

<u>Level</u>	Description	Voltage (KV)
1	Production	
2	Transmission Step-Up Substations Transmission Lines	115/230
	Transmission Substations maintaining integrity of the transmission grid	115/230 to 44
	Subtransmission Lines	44
3	Transmission and Distribution Substations making a transformation from Transmission voltage to Distribution voltage.	115/230 to 12 and 44 to 12 and lower
4	Primary Distribution Lines	Less than 25
5	Secondary Distribution (line transformers)	

Florida Public Service Commission
Backet No. 891345-E1
GALF POWER COMPARY
Witness: 0'Sheasy
Exhibit No. ___(NTO-1)
Schadule 8 Page 1

12 MONTHS EMDISHO DECEMBER 31, 1990
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	BEAUTION OF THE PERSON OF THE				1		14.500	3.776	ñ	1	209,205	٠	•
2:	Assessed Anglishments Assessed	4.0 000		1.000	3.236	1.000	776	180	10	11	17, 106		•
::	PERSONAL PROPERTY AND SPACE	20.003	286	2	1	14	:	~	•	-	828	2	29, 536
10	sometime to namen	(11,300)	(8, 999)	(809)	(2,369)	(31971)	(595)	070	(13)	(88)	(11.338	1	1
11	TOTAL ADVOCATE MAYER	291, 548	138,990	18,453	93,900	31,714	14,719	3,780	1	•	255, 561	ď	29,535
	B0000												
2	COUNTRY O NATIONAL	111,771	64,418	8,016	11,901		6,030	1,636	2 5	3 2	113,398	1.134	4.867
21	Managements	25, 230	10.00	1,000	1918		(100)	9	a	6	(2,041		
:	COURSE ACCORDED CARDON	-	8		13		•	•	•	•	7.6		
1 2	SERVE & DESCRIPTION OF THE	13,992	7,047	999	3,680		909	2	•	36	13,001	370	
2	PAINOGA TRE	3, 502	2,014	184	23		186	3	-	•	3,411		
2		4,006	2, 36	2	8		= ;	2 :	-:	2 2			• •
2 :	OCERN TRANS	11, 357		400	2, 200	100	16831	1960	900	(26)	(11.15		•
22	EDUCATE TO STATE THE TAX	198,667	101,660	0,622	38, 660	21,636	9,843	2, 863	128	276	179,886	4,050	11,023
2	CO-TRACTION INCOME.	96, 841	34,530	6,031	17,528	9,675	8,176	1,227	2118	313	75,695	1,334	10,512
2	STATE & PEDERAL INCOM TAX	19,971	8, 653	2,054	3,661	1,993	1,113	278	r	2	18, 239	999	4,106
2	INCOMES OFFICE SAFTUR	(888)	(392)	(11)	(16)	(57)	(23)	(9)	•	9	166	ا	'
33	SOEAL ENCINE SATES	19,613	8,400	2,037	3,790	1,936	1,168	172	r	2	14,79		
2	MENT OPERATION INCOME	77, 120	29, 122	4,794	13,736	7,939	3,988	888	144	218	60, 698	1,904	14,326
2	DAPE OF RETURE	7.150	8.694	13.324	7.261	6.618	7.786	7.456	21.926	14.290	6.594	94 0.229	10.00

Florida Public Service Commission Booket No. 881345-El GULF POWER COMPANY Vitness: 0'Sheesy Exhibit No. (NTO-1) Schadule 8 Page 2

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31,1990 12/13 DEMAND ALLOCATION WITH REVISED 12MCP KW PRESENT RATE SUMMARY

Line No.	Footnote Label	
1.	(A)	From "Analysis of Gross Plant."
2.	(B)	From "Analysis of Accumulated Depreciation."
4.	(c)	Prom "Analysis of Materials and Supplies."
5.	(D)	From "Analysis of Other Working Capital."
6.	(E)	From "Analysis of Other Rate Base Items."
7.	(E)	
8.	(E)	
9.	(E)	
10.	(E)	
11.	(E)	
13.	(F)	From "Analysis of Revenues."
14.	(F)	
15.	(F)	
16.	(F)	
18.	(G)	From "Analysis of Operations and Maintenance Expense."
19.	(H)	From "Analysis of Depreciation Expense."
20.	(1)	Allocated per Depreciation Expense; UPS directly assigned.
21.	(J)	Allocated per Total Production Gross Plant excluding UPS.
22.	(K)	From "Analysis of Taxes Other Than Income Taxes."
23.	(K)	
24.	(K)	
25.	(K)	
26.	(K)	
29.	(L)	Income Taxes allocated per formula RC - KI = T: where T = Total Income Taxes, R = Operating Income, C = Combined Effective Tax Rate of 0.3763, I = Total Electric Investment, and K = Income Tax Deduction factor of .0143396062. UPS directly Assigned.
30.	(M)	Retail portion allocated per Retail Rate Base; Total All Other and UPS directly assigned.

Florida Public Service Commission Bocket No. 891345-E1 GULF FOMER COMPANY Witness: 0'Sheasy Exhibit No. ___(NTO-1) Schedule & Page

				e/a	DESCRIPTION ALL	12/13 DESCRIP ALLOCATION WITH REVISED LINCT NO PROPOSED RATE STREETS	THE REVIEWS	A LEBECTO NEW					
1		SEACTION OF STREET			13				RANTE COS-TIL	9:	POTAL RETAIL SERVICE	ALL OFFICE SERVICE	PORES.
18	8	300	ALTERNA	(3)	9	6	(8)	6	a division		(13)		(34)
•	THE RESIDES PROPERTY.	1,070,301	511,967	38,990	109,394	130, 183	ESE .	113,621	8	-	\$89,088		111.111
**	PERSONAL SECURITY.	26, 200		18,483	92, 900	31,716		3,790	26	11	255, 961	ì.	8.8
•	MARINE THICK		338		57,630			3,976		763	201,676	6, 632	29, 935
•••	PERSONAL CHEMICAL STREET	Wani sun		8.	33,68	88.8	8.	8,		ë.	179, 806		11,023
••	Somt uncome	198,664	101,768	8, 622	35,841	21, 696	9,831	2,866	134	276	100,343	4,696	11,623
•	CONSISTED SECOND			6,031	22,000	13,213	8,437	1,410		9	101,533		10.512
•:	percent section states	91	33	2,037	3,790		85	Es	r §	23			1,
12	SOURCE INCOMES TRACES	29,136	11,096	2,037	8, 906		1,361	100	8	130		5/223	6,106
2	SECOND DECEMBER OF SECOND	69,343	319,860	4,794	16, 563	10,011	4,276	1,069		8	77,013	1, 88	14,326
23	DAMES OF SECURIOR	0.694	7.799	13.324	6.76		0.304	0.746	17.004	39.966			30.00

Florida Public Service Commission Booket No. 601345-EI MA.F POMER COMPANY Vilness: 0'Sheasy Exhibit No. ___(NTO-1) Schadule 8 Page 4

GULF POWER COMPANY 12 MONTHS ENDING DECEMBER 31,1990 12/13 DEMAND ALLOCATION WITH REVISED 12MCP KW PROPOSED RATE SUMMARY

Line No.	Footnote Label	
1.	(A)	From Present Rate Summary.
2.	(A)	
3.	(B)	Provided by Rates & Regulatory Matters, Gulf Power Company.
5.	(A)	
6.	(c)	Allocated upon Proposed Revenue.
8.	(D)	Operating Income equals Total Revenue minus Total Expenses.
9.	(A)	
10.	(E)	Proposed Income Tax Increase calculated by multiplying Proposed Revenue minus Proposed Expense Increase times Effective Tax Rate of 0.3763.
12.	(F)	Net Operating Income equals Operating Income less
13.	(G)	Rate of Return equals Net Operating Income Divided by Total Electric Investment.

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Col.		111	# 3 2 2 E F	IB " 3		
Col.	1 2 E	688	100411	B. B.		1.65310
## Martin	# 8 E	195				1.6126
4,777	1 8 5	588				A
	10 6 Lay	£88				8.78 0.18 0.18 0.18 0.18 0.18
	20 E E E E	313		PLOT IN THE RESIDENCE AND ADDRESS OF THE PARTY OF THE PAR	0.3328	935
	# 8 E	988		li j	0.30001 1.2007 3.31	0.27477
1-8	MASTE OS LITT	*19	Zivieni sa Pina da ya m	'ā į,,	11.	2.19678
	g a g	. 199	689**3'	• 3		10 10 10 3 3 70

•	COSE OF SE	TOTAL STATE	E .	COSTS, PROPOSE		(modern)			
BEAUTY SAME	11	ı a	10	18	110	10 to	STATE OF STA	Mana 00 1111	# B
	1	i	:			inus		i	İ
A SOURCE (SECRETARY (SECO)	26,484	11,616	700	6,032	4,001	2,076	9		•
	380,113	112,791	6, 932	64,028	11,12	12,002	9:	81	3:
4 WASHINGTON	20.001	11,602		4,363	111		12	::	:
BUSINESSOTEON .	80,000	29,378	2,030	13,946	8,307	1,001	3	5	2
	16.70	1 1		3, 203	2	8.			. •
0 CONTRACTOR ACCOUNTS	15,98	11.73		15	8 8	• •	13	. :	• •
9 CENTRAL AMERICAN	30,041	8,778	3,307	2,783	E	2	2	•	2
10 CHIPPOPER (L. MONTENS PROCES.)	1,18		•	•	•	•	2,760	•	•
11 Stocks Sevenes engravement	278,001	100, 947	12,08	28,342	36,634	15,624	3,984	180	63
SCHAME CHATES (ANDIOLA)									
112 STREETS CHESTS		3, 332, 276	20	1,727,003	1,486,337	678,677	67,312	7,389	
10 COMMENT		9,042,313	263, 694	127,085	1,007	8			
15 species (6/mm)		0.34945	0.38364	0.34910	0.13602	0.32686	0.348TS	0.36204	
17 CONSTRUCT (LIMITED PACIL.)			!.],			::		
26 DESIGNED - PRODUCTIONS - 6/100	H.			3		1.10			
10 DESCRIPTION - STREET, STREE					0.0	1.8			
21 DERIGHT - POSTOCITICS - 4/1000		2.16963	2.01602	1.6000	1.36832	1.00300	0.26745	1.21435	
2.9 DESTROSS - TRANSPORTESTOR - 6/955		0.33268	-0.30904	0.26672	0.30002	0.10871	0.00016	0.16373	
es nements - proteintable - 4/ mail	-01-16/16/16/16/16	0.00160	D. 20014	0.0000	W-8016F	4.44.0	00700.0	4.00140	

(10)	8¥8 5250500 8	27.38	0.45027	1.84200 0.24540 1.10520
SOS (9)	25.25.25.25.25.25.25.25.25.25.25.25.25.2	47,312	0.34875 1.3041 3.48	0.28745 0.04016 0.65100
PXT (8)	2,876 12,085 1,458 1,458 1,002 66 3 8 8 8 15,027	579,877 285,025,	0.32686 1099.99	1.08 0.74 1.09390 0.16571 0.11388
RATES LP & LPT	28.50 28.50	186,137	0.33602	0.99 1.68 1.36952 0.20992 0.35743
RATE GSD (6)	6,095 28,512 28,512 5,332 1,534 5,346 5,646 8,646 8,646 8,646	727,885 995,879 127,055	0.35274	0.73 2.05 1.65034 0.25372 0.71255
RATE GS	28.52 28.52	263,696	19.01	2.61240 0.41116 1.31856
ES ES	1.88 8 8 8 8 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5	,322,374	0.34466 77.9	2.09293 0.32007 0.84864
TOTAL RETAIL (3)	28,460 28,537 28,537 28,537 27,588 27,588 27,588 27,588			
DESCRIPTION	REVENUE REGUIRENENTS FROM SALE OF ELECTRICITY (\$000) ENERGY (NON-FUEL PORTION) DENAND PRODUCTION TRANSMISSION DISTRIBUTION CUSTOWER 01STRIBUTION CUSTOWER ACCOUNTS CUSTOWER ACCOUNTS CUSTOWER (LIGHTING FACIL.) TOTAL REVENUE REQUIRENENT	CUSTOMER CAN) EMERGY (MAN) EMERGY (MAN)	ENERGY (?/CAM) CLSTOWER(\$/CLST CLSTOWER (LIGHT \$/FIXTURE OR DEMAND - PRODUC	DEMAND - TRANSMISSION - S/KU DEMAND - DISTRIBUTION - S/KU DEMAND - PRODUCTION - Z/KUH DEMAND - TRANSMISSION - Z/KUH DEMAND - DISTRIBUTION - Z/KUH
365		354	255 8	28288