

RECEIVED
FLORIDA PUBLIC
SERVICE COMMISSION
ORIGINAL

99 OCT -8 AM 10:13

MAIL ROOM

**Florida
Power**
CORPORATION

JAMES A. MCGEE
SENIOR COUNSEL

October 8, 1999

Ms. Blanca Bayo, Director
Division of Records & Reporting
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Re: Docket No. 990002-EG

Dear Ms. Bayo:

Enclosed for filing in the subject docket are an original and fifteen copies each of revised Page 7 of the Direct Testimony of Michael F. Jacob, and revised Schedules C-1 and C-4 of the accompanying exhibit filed on behalf of Florida Power Corporation.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

AFA	<u>Uardner</u>	
APP	_____	
CAF	_____	
CMU	_____	
CTR	_____	JAM/ams
EAG	<u>Billinger</u>	Enclosure
LEG	<u>1</u>	
MAS	<u>37ug</u>	cc: Parties of Record
OPC	_____	
PAI	_____	
SEC	<u>1</u>	
WAW	_____	
OTH	<u>Copy Court</u>	

DOCUMENT NUMBER-DATE

12239 OCT-8 99

FPSC-RECORDS/REPORTING

GENERAL OFFICE

One Progress Plaza (33701) • Post Office Box 14042 • St. Petersburg, Florida 33733-4042 • (727) 820-5184 • Fax: (727) 820-5519

A Florida Progress Company

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost
Recovery Clause.

Docket No.990002-EG

Submitted for filing:
October 8, 1999

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of revised Page 7 and Schedules C-1 and C-4 of the Direct Testimony and Exhibits of Michael F. Jacob submitted by Florida Power Corporation has been furnished to the following individuals by regular U.S. Mail this 8th day of October, 1999:

Grace A. Jaye, Esquire
Division of Legal Services
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

G. Edison Holland, Jr., Esquire
Jeffrey A. Stone, Esquire
Beggs & Lane
P. O. Box 12950
Pensacola, FL 32576-2950

J. Roger Howe, Esquire
Office of the Public Counsel
c/o The Florida Legislature
111 West Madison Street, Room 812
Tallahassee, FL 32399-1400

Wayne L. Schiefelbein, Esquire
P. O. Box 13688
Tallahassee, FL 32317

Lee L. Willis, Esquire
James D. Beasley, Esquire
Ausley & McMullen
P.O. Box 391
Tallahassee, FL 32302

Norman Horton, Jr., Esquire
Messer, Vickers, Caparello,
French & Madsen
P. O. Box 1876
Tallahassee, FL 32302

Charles A. Guyton, Esquire
Steel, Hector & Davis
215 S. Monroe Street, Suite 601
Tallahassee, Florida 32301

Ansley Watson, Jr., Esquire
Macfarlane, Ferguson &
McMullen
2300 First Florida Tower
111 Madison Street
Tampa, FL 33602

Gail P. Fels, Esquire
Assistant County Attorney
111 N.W. 1st Street, Suite 2810
Miami, FL 33128-1993

John W. McWhirter, Jr., Esquire
McWhirter, Reeves, McGlothlin,
Davidson, Decker, Kaufman,
Arnold & Steen, P.A.
400 N. Tampa Street, Suite 2450
Tampa, FL 33602

Joseph A. McGlothlin, Esquire
Vicki Gordon Kaufman, Esquire
McWhirter, Reeves, McGlothlin,
Davidson, Decker, Kaufman,
Arnold & Steen, P.A.
117 S. Gadsden Street
Tallahassee, FL 32301

Charles A. Costin, Esquire
P. O. Box 98
Port St. Joe, FL 32456

Ross S. Burnaman, Esquire
Legal Environmental Assistance
Foundation, Inc.
1114 Thomasville Road, Suite E
Tallahassee, FL 32303-6290

Terry Black, Esquire
Pace University Energy Project
78 North Broadway
White Plains, NY 10603

Vernon Krutsinger
Manager of Energy Utilization
Peoples Gas System, Inc.
P.O. Box 2562
Tampa, FL 33601-2562

Debbie Stitt
Energy Conservation Analyst
St. Joe Natural Gas Company
P. O. Drawer 549
Port St. Joe, FL 32456

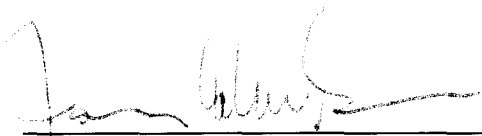
Richard A. Zambo, Esquire
598 S. W. Hidden River Avenue
Palm City, FL 34990

Mr. Stuart Shoaf
St. Joe Natural Gas Company
P. O. Box 549
Port St. Joe, FL 32456

William B. Watson, III
Watson, Folds, Steadham,
Sproull, Christman & Brashear
P. O. Box 1070
Gainesville, FL 32602

Kenneth A. Hoffman, Esq.
William B. Willingham, Esq.
Rutledge, Ecenia, Underwood,
Purnell & Hoffman, PA
P.O. Box 551
Tallahassee, FL 32302-0551

Mr. Frank C. Cressman
President
Florida Public Utilities Company
P.O. Box 3395
West Palm Beach, FL 33402-3395



James A. McGee

ORIGINAL

Conservation Adjustment Factors (\$/1,000 kWh)

	Secondary	Primary	Transmission
<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
Residential	\$2.39	N/A	N/A
General Service Non-Demand	\$1.72	\$1.70	\$1.69
General Service 100% Load Factor	\$1.21	N/A	N/A
General Service Demand	\$1.41	\$1.40	\$1.38
Curtaillable	\$1.22	\$1.21	\$1.20
Interruptible	\$1.16	\$1.15	\$1.14
Lighting	\$0.59	N/A	N/A

Revenue Decoupling

13 **Q. What is the final Revenue Decoupling true-up amount for 1997?**

14 A. The initial true-up amount for 1997 was an under-recovery of
 15 \$22,905,204. The final true-up amount, based on the final revision of
 16 1997 Florida total personal income, is an under-recovery of \$26,252,309,
 17 a change of \$3,347,105.

19 **Q. How was this amount calculated?**

20 A. This amount was computed in accordance with Commission Order No.
 21 PSC-95-0097-FOF-EI and is based on revised estimates of actual 1997
 22 Florida personal income as released in October, 1998. The final estimate
 23 (in millions of 1987\$) is \$268,785 compared to the approved base value

FLORIDA POWER CORPORATION
ENERGY CONSERVATION ADJUSTMENT
SUMMARY OF COST RECOVERY CLAUSE CALCULATIONS
FOR THE PERIOD JANUARY 2000 THROUGH DECEMBER 2000

FPSC DOCKET NO. 990002-EG
FLORIDA POWER CORPORATION
MICHAEL F. JACOB
EXHIBIT NO. _____ (MFJ-1)
SCHEDULE C - 1
PAGE 1 OF 4 9/29/99 14:49 REVISED

RETAIL RATE SCHEDULES

LINE NO.	RESIDENTIAL	GENERAL SER. NON-DEMAND	GENERAL SER. 100% L.F.	GENERAL SER. DEMAND	CURTAILABLE	INTERRUPTIBLE	LIGHTING	TOTAL
1 DEMAND ALLOCATION PERCENTAGE	60.346%	3.557%	0.125%	30.561%	0.381%	4.862%	0.168%	100.000%
2 DEMAND RELATED INCREMENTAL COSTS	\$37,116,558	\$2,187,777	\$76,883	\$18,796,923	\$234,339	\$2,990,434	\$103,330	\$61,506,244
3 DEMAND PORTION OF PERIOD END TRUE UP (O)/U RECOVERY	(\$7,550,576)	(\$445,057)	(\$15,640)	(\$3,823,835)	(\$47,671)	(\$608,340)	(\$21,020)	(\$12,512,140)
4 TOTAL DEMAND RELATED INCREMENTAL COSTS	\$29,565,982	\$1,742,720	\$61,243	\$14,973,088	\$186,668	\$2,382,094	\$82,310	\$48,994,104
5 ENERGY ALLOCATION PERCENTAGE	49.514%	3.479%	0.188%	37.944%	0.555%	7.593%	0.727%	100.000%
6 ENERGY RELATED INCREMENTAL COSTS	\$5,578,840	\$391,986	\$21,182	\$4,275,225	\$62,533	\$855,518	\$81,913	\$11,267,197
7 ENERGY PORTION OF PERIOD END TRUE UP (O)/U RECOVERY	(\$1,085,572)	(\$76,276)	(\$4,122)	(\$831,905)	(\$12,168)	(\$166,473)	(\$15,939)	(\$2,192,455)
8 TOTAL ENERGY RELATED INCREMENTAL COSTS	\$4,493,268	\$315,710	\$17,060	\$3,443,320	\$50,365	\$689,045	\$65,974	\$9,074,742
9 TOTAL INCREMENTAL COSTS (LINE 2 + 6)	\$42,695,398	\$2,579,763	\$98,065	\$23,072,148	\$296,872	\$3,845,952	\$185,243	\$72,773,441
10 ECCR TRUE UP (O)/U RECOVERY (LINE 3+7)	(\$8,636,148)	(\$521,333)	(\$19,762)	(\$4,655,740)	(\$59,839)	(\$774,813)	(\$36,959)	(\$14,704,595)
11 DECOUPLING ADJUSTMENT CARRYOVER	\$2,982,551	\$0	\$0	\$0	\$0	\$0	\$0	\$2,982,551
12 DECOUPLING FINAL 1997 TRUEUP (INCLUDING INTEREST)	\$3,716,503	\$0	\$0	\$0	\$0	\$0	\$0	\$3,716,503
13 TOTAL (LINE 9+10+11)	\$40,758,304	\$2,058,430	\$78,303	\$18,416,408	\$237,033	\$3,071,139	\$148,284	\$64,767,900
14 RETAIL SALES MWH(@ EFFECTIVE VOLTAGE LEVEL SEE P. 4)	17,044,580	1,197,454	64,719	13,097,796	193,901	2,650,004	250,330	34,498,784
15 COST PER 1,000 KWH - ENERGY & DEMAND (LINE 12/13)	\$2.3913	\$1.7190	\$1.2099	\$1.4061	\$1.2224	\$1.1589	\$0.5924	
16 REGULATORY ASSESSMENT TAX EXPANSION FACTOR	1.000203	1.000203	1.000203	1.000203	1.000203	1.000203	1.000203	
17 ADJUSTMENT FACTOR ADJUSTED FOR TAXES	2.3918	1.7193	1.2101	1.4064	1.2226	1.1591	0.5925	
18 CONSERVATION ADJUSTMENT FACTOR \$/1,000 KWH								
19 @ SECONDARY VOLTAGE	\$2.39	\$1.72	\$1.21	\$1.41	\$1.22	\$1.16	\$0.59	
20 @ PRIMARY VOLTAGE (1% REDUCTION FACTOR)	N/A	\$1.70	N/A	\$1.40	\$1.21	\$1.15	N/A	
21 @ TRANSMISSION VOLTAGE (2% REDUCTION FACTOR)	N/A	\$1.69	N/A	\$1.38	\$1.20	\$1.14	N/A	

CALCULATION OF AVERAGE 12 CP AND ANNUAL AVERAGE DEMAND

FOR THE PERIOD JANUARY 2000 THROUGH DECEMBER 2000

FPSC DOCKET NO. 990002-EG
 FLORIDA POWER CORPORATION
 MICHAEL F. JACOB
 EXHIBIT NO. _____ (MFJ-1)
 SCHEDULE C - 1
 PAGE 2 OF 4 9/29/99 14:49 REVISED

RATE CLASS	(1) MWH SALES @ METER LEVEL	(2) 12 CP LOAD FACTOR	(3) 12 CP MW @ METER LEVEL (1)/8760hrs/(2)	(4) DELIVERY EFFICIENCY FACTOR	(5) AVERAGE CP MW @ SOURCE LEVEL (3)/(4)	(6) MWH SALES @ METER LEVEL	(7) DELIVERY EFFICIENCY FACTOR	(8) SOURCE LEVEL MWH (6)/(7)	(9) ANNUAL AVERAGE DEMAND (8)/8760hrs
I. RESIDENTIAL SERVICE	17,044,580	0.515	3,778.11	0.9458216	3,994.53	17,044,580	0.9458216	18,020,925	2,057.18
II. GENERAL SERVICE NON-DEMAND									
TRANSMISSION	0	0.622	0.00	0.9790000	0.00	0	0.9790000	0	0.00
PRIMARY	7,604	0.622	1.40	0.9690000	1.44	7,604	0.9690000	7,847	0.90
SECONDARY	1,189,926	0.622	218.39	0.9458216	230.90	1,189,926	0.9458216	1,258,087	143.62
TOTAL	1,197,530		219.79		232.34	1,197,530		1,265,934	144.52
III. GS - 100% L.F.	64,719	1.000	7.39	0.9458216	7.81	64,719	0.9458216	68,426	7.81
IV. GENERAL SERVICE DEMAND									
GSD-1 - TRANSMISSION	3,803	0.807	0.54	0.9790000					
SS-1 - TRANSMISSION	9,453	1.218	0.89	0.9790000					
SUBTOTAL - TRANSMISSION	13,256		1.43	0.9790000	1.46	13,256	0.9790000	13,540	1.55
GSD - PRIMARY	2,599,577	0.807	367.73	0.9690000					
SS-1 - PRIMARY	0	1.218	0.00	0.9690000					
SUBTOTAL - PRIMARY	2,599,577		367.73	0.9690000	379.49	2,599,577	0.9690000	2,682,742	306.25
GSD - SECONDARY	10,511,224	0.807	1,486.88	0.9458216	1,572.05	10,511,224	0.9458216	11,113,326	1,268.64
TOTAL	13,124,057		1,856.04		1,953.00	13,124,057		13,809,608	1,576.44
V. CURTAILABLE SERVICE									
CS - PRIMARY	192,411	0.966	22.74	0.9690000					
SS3 - PRIMARY	3,027	1.039	0.33	0.9690000					
SUBTOTAL - PRIMARY	195,438		23.07	0.9690000	23.81	195,438	0.9690000	201,690	23.02
CS - SECONDARY	417	0.966	0.05	0.9458216	0.05	417	0.9458216	441	0.05
TOTAL	195,855		23.12		23.86	195,855		202,131	23.07
VI. INTERRUPTIBLE SERVICE									
IS - TRANSMISSION	419,223	1.044	45.84	0.9790000		419,223			
SS-2 - TRANSMISSION	137,960	1.044	15.09	0.9790000		137,960			
SUBTOTAL - TRANSMISSION	557,183		60.93	0.9790000	62.24	557,183	0.9790000	569,135	64.97
IS - PRIMARY	1,994,497	1.044	218.09	0.9690000		1,994,497			
SS-2 - PRIMARY	44,331	1.044	4.85	0.9690000		44,331			
SUBTOTAL - PRIMARY	2,038,828		222.94	0.9690000	230.07	2,038,828	0.9690000	2,104,054	240.19
SECONDARY	85,524	1.044	9.35	0.9458216	9.89	85,524	0.9458216	90,423	10.32
TOTAL	2,681,535		293.22		302.20	2,681,535		2,763,612	315.48
VII. LIGHTING SERVICE	250,330	3.779	7.56	0.9458216	7.99	250,330	0.9458216	264,669	30.21
TOTAL RETAIL	34,558,606				6,521.73	34,558,606		36,395,305	4,154.71

CALCULATION OF DEMAND AND ENERGY ALLOCATORS

FOR THE PERIOD JANUARY 2000 THROUGH DECEMBER 2000

RATE CLASS	(1) AVERAGE 12 CP DEMAND MW	(2) %	(3) ANNUAL AVERAGE DEMAND MW	(4) %	(5) 12/13 OF 12 CP 12/13*(2)	(6) 1/13 OF AVG. DEMAND 1/13 * (4)	(7) DEMAND ALLOCATOR (5)+(6)
I. RESIDENTIAL SERVICE	3,994.53	61.249%	2,057.18	49.514%	56.537%	3.809%	60.346%
II. GENERAL SERVICE NON-DEMAND							
TRANSMISSION	0.00	0.000%	0.00	0.000%	0.000%	0.000%	0.000%
PRIMARY	1.44	0.022%	0.90	0.022%	0.020%	0.002%	0.022%
SECONDARY	230.90	3.540%	143.62	3.457%	3.268%	0.266%	3.534%
TOTAL	232.34	3.563%	144.52	3.479%	3.289%	0.268%	3.557%
III. GS - 100% L.F.	7.81	0.120%	7.81	0.188%	0.111%	0.014%	0.125%
IV. GENERAL SERVICE DEMAND							
TRANSMISSION	1.46	0.022%	1.55	0.037%	0.020%	0.003%	0.023%
PRIMARY	379.49	5.819%	306.25	7.371%	5.371%	0.567%	5.938%
SECONDARY	1,572.05	24.105%	1,268.64	30.535%	22.251%	2.349%	24.600%
TOTAL	1,953.00	29.946%	1,576.44	37.944%	27.642%	2.919%	30.561%
V. CURTAILABLE SERVICE							
PRIMARY	23.81	0.365%	23.02	0.554%	0.337%	0.043%	0.380%
SECONDARY	0.05	0.001%	0.05	0.001%	0.001%	0.000%	0.001%
TOTAL	23.86	0.366%	23.07	0.555%	0.338%	0.043%	0.381%
VI. INTERRUPTIBLE SERVICE							
TRANSMISSION	62.24	0.954%	64.97	1.564%	0.881%	0.120%	1.001%
PRIMARY	230.07	3.528%	240.19	5.781%	3.257%	0.445%	3.702%
SECONDARY	9.89	0.152%	10.32	0.248%	0.140%	0.019%	0.159%
TOTAL	302.20	4.634%	315.48	7.593%	4.278%	0.584%	4.862%
VII. LIGHTING SERVICE	7.99	0.122%	30.21	0.727%	0.112%	0.056%	0.168%
TOTAL RETAIL	6,521.73	100.000%	4,154.71	100.000%	92.307%	7.693%	100.000%

PROJECTED MWH SALES
 AT EFFECTIVE VOLTAGE LEVEL
 FOR THE PERIOD JANUARY 2000 THROUGH DECEMBER 2000

RATE CLASS	(1) MWH SALES @ METER LEVEL	(2) VOLTAGE ADJUSTMENT	(3) MWH SALES @ EFFECTIVE LEVEL
I. RESIDENTIAL SERVICE	17,044,580	100%	17,044,580
II. GENERAL SERVICE NON-DEMAND			
TRANSMISSION	0	98%	0
PRIMARY	7,604	99%	7,528
SECONDARY	1,189,926	100%	1,189,926
TOTAL	1,197,530		1,197,454
III. GS - 100% L.F.	64,719	100%	64,719
IV. GENERAL SERVICE DEMAND			
SS-1/GSD - TRANSMISSION	13,256	98%	12,991
GSD - PRIMARY	2,599,577	99%	2,573,581
SS-1 - PRIMARY	0	99%	0
SUBTOTAL - PRIMARY	2,599,577		2,573,581
GSD - SECONDARY	10,511,224	100%	10,511,224
TOTAL	13,124,057		13,097,796
V. CURTAILABLE SERVICE			
PRIMARY	195,438	99%	193,484
SECONDARY	417	100%	417
TOTAL	195,855		193,901
VI. INTERRUPTIBLE SERVICE			
IS - TRANSMISSION	419,223	98%	410,839
SS-2 - TRANSMISSION	137,960	98%	135,201
SUBTOTAL - TRANSMISSION	557,183		546,040
IS - PRIMARY	1,994,497	99%	1,974,552
SS-2 - PRIMARY	44,331	99%	43,888
SUBTOTAL - PRIMARY	2,038,828		2,018,440
IS-1 - SECONDARY	85,524	100%	85,524
TOTAL	2,681,535		2,650,004
VII. LIGHTING SERVICE	250,330	100%	250,330
TOTAL RETAIL	34,558,606		34,498,784

CALCULATION OF ENERGY CONSERVATION COST RECOVERY (ECCR) REVENUES
 FOR THE PERIOD: JANUARY 2000 THROUGH DECEMBER 2000

MONTH	JURISDICTIONAL MWH SALES	BASE REVENUES	CLAUSE REVENUE NET OF REVENUE TAXES
JANUARY	2,617,474	\$0	\$4,933,976
FEBRUARY	2,602,786	\$0	\$4,876,934
MARCH	2,484,039	\$0	\$4,602,034
APRIL	2,556,219	\$0	\$4,691,736
MAY	2,666,725	\$0	\$4,902,898
JUNE	3,097,998	\$0	\$5,821,295
JULY	3,410,830	\$0	\$6,496,292
AUGUST	3,362,486	\$0	\$6,427,929
SEPTEMBER	3,475,073	\$0	\$6,632,765
OCTOBER	3,070,042	\$0	\$5,788,669
NOVEMBER	2,634,226	\$0	\$4,861,212
DECEMBER	<u>2,580,708</u>	<u>\$0</u>	<u>\$4,780,985</u>
TOTAL	<u>34,558,606</u>	<u>\$0</u>	<u>\$64,816,725</u>