

**Florida
Power**
CORPORATION

JAMES A. MCGEE
SENIOR COUNSEL

January 12, 1987

ORIGINAL

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

Re: Docket No. ~~980002~~-EG

Dear Ms. Bayo:

Enclosed for filing in the subject docket are an original and ten copies of the Direct Testimony and Exhibits of Michael F. Jacob and Karl H. Wieland 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. Also enclosed is a 3.5 inch diskette containing the above-referenced document in WordPerfect format. Thank you for your assistance in this matter.

- ACK Wieland
- AFA Wieland
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG _____ JAM/kp
- LIN 3 to 5 Enclosure
- OPC _____ cc: Parties of Record
- RCH _____
- SEC 1
- WAS _____
- OTH _____

Very truly yours,

James A. McGee

Wieland
DOCUMENT NUMBER-DATE

Jacob
DOCUMENT NUMBER-DATE

00661 JAN 13 87 GENERAL OFFICE 00662 JAN 13 87

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Conservation Cost Recovery
Clauses of Electric Companies.

Docket No.980002-EG

Submitted for filing:
January 13, 1997

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the 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 12th day of January, 1998:

Robert V. Elias, 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
Gatlin, Woods, Carlson &
Cowdery
1709-D Mahan Drive
Tallahassee, FL 32308

Lee L. Willis, Esquire
James D. Beasley, Esquire
Macfarlane Ausley Ferguson
& 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

Robert Scheffel Wright, Esquire
Landers & Parsons
310 West College Ave.
P.O. Box 271
Tallahassee, FL 32302

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 & Bakas
100 N. Tampa Street, Suite 2900
Tampa, FL 33602

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

H. G. Wells
276 Spring Run Circle
Longwood, FL 32779

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

Ross S. Burnaman, Esquire
Legal Environmental Assistance
Foundation, Inc.
1115 N. Gadsden Street
Tallahassee, FL 32303

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

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

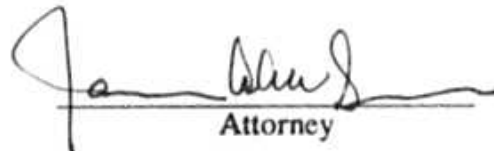
Richard A. Zambo, Esquire
598 S. W. Hidden River Avenue
Palm City, FL 34990

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


Attorney



**Florida
Power**
CORPORATION

ORIGINAL

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

DOCKET No. 980002-EG

**ECCR Projections
April 1998 through March 1999**

**DIRECT TESTIMONY
AND EXHIBITS OF
MICHAEL F. JACOB**

For Filing January 13, 1998

DOCUMENT NUMBER-DATE

00662 JAN 13 88

FPSC-RECORDS/REPORTING

FLORIDA POWER CORPORATION

DOCKET No. 980002-EG

**Energy Conservation Cost Recovery Factors
April 1998 through March 1999**

**DIRECT TESTIMONY OF
MICHAEL F. JACOB**

1 **Q. State your name and business address.**

2 **A. My name is Michael F. Jacob. My business address is Florida Power**
3 **Corporation, 17757 U.S. Highway 19 North, Suite 660, Clearwater,**
4 **Florida, 33764.**

5
6 **Q. By whom are you employed and in what capacity?**

7 **A. I am employed by Florida Power Corporation (FPC) as Manager of**
8 **Regulatory Evaluation and Planning.**

9
10 **Q. Have your duties and responsibilities remained the same since you last**
11 **testified in this proceeding.**

12 **A. Yes.**

13
14 **Q. What is the purpose of your testimony?**

15 **A. The purpose of my testimony is to describe the components and costs**
16 **of the Company's Demand-Side Management Plan as approved by the**
17 **Florida Public Service Commission. I will detail the projected costs for**
18 **implementing each program in that plan, explain how these costs are**

1 presented in the attached exhibit, and show the resulting conservation
2 adjustment factors (in ¢/1,000 kWh).

3
4 **Q. Do you have an exhibit to your testimony?**

5 **A. Yes, my Exhibit No. ___ (MFJ-1) is entitled, "Summary of Cost**
6 **Recovery Clause Calculations for the period April 1998 through March**
7 **1999" and consists of Schedules C-1 through C-5. Schedule C-1**
8 **provides a summary of cost recovery clause information and**
9 **calculations by retail rate schedule. Schedule C-2 provides the monthly**
10 **and total conservation program cost estimates during the April 1998**
11 **through March 1999 period for each conservation program, as well as**
12 **for common administration expenses. Additionally, Schedule C-2**
13 **presents the program costs by specific category (i.e. payroll, materials,**
14 **incentives, etc.) and includes a schedule of estimated capital**
15 **investments, depreciation and return for the period of April 1998**
16 **through March 1999. Schedule C-3 contains a detailed breakdown of**
17 **conservation program costs by specific category and by month for the**
18 **actual/estimated period of October and November 1997 (actual) and**
19 **December 1997 through March 1998 (estimated). In addition,**
20 **Schedule C-3 presents an Energy Conservation Adjustment Calculation**
21 **of True-Up and a Calculation of Interest Provision for the**
22 **actual/estimated period of October 1997 through March 1998.**
23 **Schedule C-4 projects Energy Conservation Cost Recovery (ECCR)**
24 **revenues during the April 1998 through March 1999 time period.**
25 **Schedule C-5 presents a brief summary of progress and expenditures**

1 for each program for which FPC seeks cost recovery as part of the
2 ECCR clause.

3
4 **Q. For what programs does FPC seek recovery?**

5 **A.** FPC is seeking to recover those costs allowed pursuant to Rule 25-
6 17.015 of the Florida Administrative Code, as adopted by the Florida
7 Public Service Commission, for each of the following programs as well
8 as for Conservation Program Administration (those common
9 administration expenses not specifically linked to an individual
10 program).

- 11 • Home Energy Check
- 12 • Home Energy Improvement
- 13 • Residential New Construction
- 14 • Energy Management (Includes Residential and Commercial
15 Energy Management and Load Management Switches.)
- 16 • Business Energy Check
- 17 • Better Business
- 18 • Commercial/Industrial New Construction
- 19 • Energy Monitor (No costs for this program have been included
20 in the projection period, since FPC intends to request approval
21 to discontinue the program.)
- 22 • Innovation Incentive
- 23 • Standby Generation
- 24 • Interruptible Service
- 25 • Curtailable Service

- Technology Development
- Gas Demonstration
- Qualifying Facility

Q. Would you please summarize the major results from your Exhibit?

A. Schedule C-2, Page 1 of 6, Line 22, shows total net program costs of \$80,276,541 for the April 1998 through March 1999 projection period. The following table summarizes Schedule C-1, Page 1 of 4, Lines 18 - 20, showing the projected conservation cost recovery charge per 1,000 kilowatt-hours by retail rate class for the time period April, 1998 through March, 1999.

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

	Secondary	Primary	Transmission
Retail Rate Schedule	Voltage	Voltage	Voltage
Residential	\$3.23	N/A	N/A
General Service Non-Demand	\$2.09	\$2.07	\$2.05
General Service 100% Load Factor	\$1.55	N/A	N/A
General Service Demand	\$1.80	\$1.78	\$1.76
Curtaillable	\$1.56	\$1.54	\$1.53
Interruptible	\$1.48	\$1.47	\$1.45
Lighting	\$0.78	N/A	N/A

Q. Does this conclude your direct testimony?

A. Yes.

SCHEDULE C-1
APRIL 1998 THROUGH MARCH 1999

FLORIDA POWER CORPORATION
ENERGY CONSERVATION ADJUSTMENT
SUMMARY OF COST RECOVERY CLAUSE CALCULATIONS
FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

FPSC DOCKET NO. 980002 EG
FLORIDA POWER CORPORATION
MICHAEL F. JACOB
EXHIBIT NO. _____ (MFJ 1)
SCHEDULE C 1
PAGE 1 OF 4 1:8:98 14 21

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	60.660%	3.547%	0.107%	30.166%	0.385%	4.969%	0.166%	100.000%
2 DEMAND RELATED INCREMENTAL COSTS	\$40,475,065	\$2,366,824	\$71,540	\$20,127,841	\$256,722	\$3,315,598	\$110,543	\$66,724,132
3 DEMAND PORTION OF PERIOD END TRUE UP (O)/U RECOVERY	(\$5,626,341)	(\$329,706)	(\$9,945)	(\$2,797,923)	(\$35,686)	(\$460,893)	(\$15,366)	(\$9,275,161)
4 TOTAL DEMAND RELATED INCREMENTAL COSTS	\$34,848,724	\$2,037,118	\$61,595	\$17,329,918	\$221,036	\$2,854,705	\$95,177	\$57,448,971
5 ENERGY ALLOCATION PERCENTAGE	49.725%	3.672%	0.161%	37.420%	0.560%	7.756%	0.706%	100.000%
6 ENERGY RELATED INCREMENTAL COSTS	\$6,738,951	\$497,641	\$21,832	\$5,071,367	\$75,894	\$1,051,077	\$95,647	\$13,552,409
7 ENERGY PORTION OF PERIOD END TRUE UP (O)/U RECOVERY	(\$936,622)	(\$69,165)	(\$3,034)	(\$704,850)	(\$10,548)	(\$146,085)	(\$13,294)	(\$1,883,599)
8 TOTAL ENERGY RELATED INCREMENTAL COSTS	\$5,802,329	\$428,476	\$18,798	\$4,366,517	\$65,346	\$904,992	\$82,353	\$11,668,810
9 TOTAL INCREMENTAL COSTS (LINE 2 + 6)	\$47,214,016	\$2,864,465	\$83,372	\$25,199,208	\$332,616	\$4,368,675	\$206,190	\$80,276,541
10 ECCR TRUE UP (O)/U RECOVERY (LINE 3 + 7)	(\$6,562,963)	(\$398,171)	(\$12,979)	(\$3,502,773)	(\$46,234)	(\$606,978)	(\$28,660)	(\$11,158,760)
11 DECOUPLING ADJUSTMENT(1)	\$10,906,036	\$0	\$0	\$0	\$0	\$0	\$0	\$10,906,036
12 TOTAL (LINE 9 + 10 + 11)	\$51,557,089	\$2,466,294	\$80,393	\$21,696,435	\$286,382	\$3,759,697	\$177,530	\$80,023,817
13 RETAIL SALES MWH(@ EFFECTIVE VOLTAGE LEVEL SEE P. 4)	15,990,133	1,181,148	52,025	12,072,591	183,610	2,533,818	227,200	
14 COST PER 1,000 KWH - ENERGY & DEMAND (LINE 12/13)	\$3.2243	\$2.0880	\$1.5453	\$1.7972	\$1.5597	\$1.4838	\$0.7814	
15 REVENUE TAX EXPANSION FACTOR	1.000248	1.000248	1.000248	1.000248	1.000248	1.000248	1.000248	
16 ADJUSTMENT FACTOR ADJUSTED FOR TAXES	\$3.2251	\$2.0886	\$1.5457	\$1.7976	\$1.5601	\$1.4842	\$0.7816	
17 CONSERVATION ADJUSTMENT FACTOR \$/1,000 KWH								
18 @ SECONDARY VOLTAGE	\$3.23	\$2.09	\$1.55	\$1.80	\$1.56	\$1.48	\$0.78	
19 @ PRIMARY VOLTAGE (1% REDUCTION FACTOR)	N/A	\$2.07	N/A	\$1.78	\$1.54	\$1.47	N/A	
20 @ TRANSMISSION VOLTAGE (2% REDUCTION FACTOR)	N/A	\$2.05	N/A	\$1.76	\$1.53	\$1.45	N/A	

NOTES: 1. THE TOTAL UNRECOVERED REVENUE DECOUPLING IS \$22,167,795, COMPRISED OF THE UNRECOVERED BALANCE OF \$21,838,576 PLUS INTEREST OF \$329,219 FROM 1/1/98 TO 3/31/98. RECOVERY WILL BE \$10,906,036 FROM 4/4/98 TO 3/31/99, AND \$11,261,759 FROM 4/1/99 TO 3/31/00.

CALCULATION OF AVERAGE 12 CP AND ANNUAL AVERAGE DEMAND

FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

	(1) MWH SALES @ METER LEVEL	(2) 12 CP LOAD FACTOR	(3) 12 CP MW @ METER LEVEL (11)/W760hrs(12)	(4) DELIVERY EFFICIENCY FACTOR	(5) AVERAGE CP MW @ SOURCE LEVEL (13)/(14)	(6) MWH SALES @ METER LEVEL	(7) DELIVERY EFFICIENCY FACTOR	(8) SOURCE LEVEL MWH (8)/(7)	(9) ANNUAL AVERAGE DEMAND (8)/(17)
I RESIDENTIAL SERVICE	15,990,133	0.515	3,544.4	0.9386594	3,776.0	15,990,133	0.9386594	17,035,075	1,944.6
II GENERAL SERVICE NON DEMAND									
TRANSMISSION	0	0.662	0.0	0.9740000	0.0	0	0.9740000	0	0.0
PRIMARY	6,955	0.662	1.2	0.9640000	1.2	6,955	0.9640000	7,215	0.8
SECONDARY	1,174,263	0.662	202.5	0.9386594	215.7	1,174,263	0.9386594	1,291,000	142.8
TOTAL	1,181,218		203.7		216.9	1,181,218			143.6
III GS - 100% L.F.	52,025	1.000	9.9	0.9386594	6.3	52,025	0.9386594	56,425	6.3
IV GENERAL SERVICE DEMAND									
GSD-1 - TRANSMISSION	3,495	0.807	0.5	0.9740000	0.5	3,495	0.9740000	3,588	0.4
SS-1 - TRANSMISSION	8,218	1.218	0.8	0.9740000	0.8	8,218	0.9740000	8,435	1.0
SUBTOTAL - TRANSMISSION	11,711		1.3		1.3	11,711		12,024	1.4
GSD - PRIMARY	2,445,262	0.807	345.9	0.9640000	368.8	2,445,262	0.9640000	2,536,579	289.8
SS-1 - PRIMARY	0	1.218	0.0	0.9640000	0.0	0	0.9640000	0	0.0
SUBTOTAL - PRIMARY	2,445,262		345.9		368.8	2,445,262		2,536,579	289.8
GSD - SECONDARY	8,640,306	0.807	1,363.7	0.9386594	1,452.8	8,640,306	0.9386594	10,270,291	1,172.4
TOTAL	12,097,278		1,710.9		1,812.9	12,097,278		14,240,570	1,483.4
V. CURTAILABLE SERVICE									
CS - PRIMARY	179,168	0.966	21.2	0.9640000	22.0	179,168	0.9640000	185,959	21.2
SS-1 - PRIMARY	4,387	1.039	0.5	0.9640000	0.5	4,387	0.9640000	4,551	0.5
SUBTOTAL - PRIMARY	183,555		21.7		22.5	183,555		190,410	21.7
CS - SECONDARY	1,891	0.966	0.2	0.9386594	0.2	1,891	0.9386594	2,015	0.2
TOTAL	185,446		21.9		22.7	185,446		192,425	21.9
VI. INTERRUPTIBLE SERVICE									
IS - TRANSMISSION	524,818	1.044	57.4	0.9740000	58.9	524,818	0.9740000	538,828	61.5
SS-2 - TRANSMISSION	113,846	1.044	12.4	0.9740000	12.7	113,846	0.9740000	116,865	13.3
SUBTOTAL - TRANSMISSION	638,662		69.8		71.7	638,662		655,711	74.9
IS - PRIMARY	1,814,111	1.044	198.4	0.9640000	205.8	1,814,111	0.9640000	1,891,858	214.8
SS-2 - PRIMARY	39,915	1.044	4.4	0.9640000	4.6	39,915	0.9640000	41,408	4.7
SUBTOTAL - PRIMARY	1,854,026		202.8		210.4	1,854,026		1,933,266	219.6
SECONDARY	72,443	1.044	7.9	0.9386594	8.4	72,443	0.9386594	77,177	8.8
TOTAL	2,565,131		280.5		290.5	2,565,131		2,636,352	303.3
VII LIGHTING SERVICE									
TOTAL RETAIL	32,298,430				6,132.7	32,298,431		34,158,230	3,910.7

CALCULATION OF DEMAND AND ENERGY ALLOCATORS
 FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

RATE CLASS	(1) MW	(2) AVERAGE 12 CP DEMAND %	(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	3,776.0	61.57%	1,944.6	49.72%	56.83%	3.82%	60.60%
II GENERAL SERVICE NON-DEMAND							
TRANSMISSION	0.0	0.00%	0.0	0.00%	0.00%	0.00%	0.00%
PRIMARY	1.2	0.20%	0.8	0.20%	0.18%	0.02%	0.20%
SECONDARY	215.7	3.51%	142.8	65.2%	3.24%	0.28%	3.52%
TOTAL	216.9	3.53%	143.6	3.67%	3.26%	0.28%	3.54%
III GS - 100% L.F.	6.3	0.10%	6.3	0.16%	0.09%	0.01%	0.10%
IV GENERAL SERVICE DEMAND							
TRANSMISSION	1.3	0.02%	1.4	0.03%	0.20%	0.00%	0.02%
PRIMARY	358.8	5.85%	289.6	7.46%	5.40%	0.57%	5.97%
SECONDARY	1,452.8	23.68%	1,172.4	29.97%	21.86%	2.30%	24.17%
TOTAL	1,812.9	29.56%	1,463.4	37.42%	27.29%	2.87%	30.16%
V. CURTAILABLE SERVICE							
PRIMARY	22.5	0.36%	21.7	0.55%	0.33%	0.04%	0.38%
SECONDARY	0.2	0.00%	0.2	0.00%	0.00%	0.00%	0.00%
TOTAL	22.7	0.36%	21.9	0.56%	0.34%	0.04%	0.38%
VI. INTERRUPTIBLE SERVICE							
TRANSMISSION	71.7	1.52%	74.9	1.91%	1.41%	0.14%	1.55%
PRIMARY	210.4	3.97%	219.6	5.61%	3.68%	0.43%	4.10%
SECONDARY	8.4	0.15%	8.8	0.22%	0.00%	0.01%	0.17%
TOTAL	290.5	4.73%	303.3	7.76%	4.37%	0.59%	4.96%
VII LIGHTING SERVICE	7.4	0.12%	27.6	0.70%	0.11%	0.06%	0.16%
TOTAL RETAIL	6,132.7	100.00%	3,910.7	100.00%	92.30%	7.69%	100.00%

PROJECTED MWH SALES
 AT EFFECTIVE VOLTAGE LEVEL
 FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

RATE CLASS	(1) MWH SALES @ METER LEVEL	(2) VOLTAGE ADJUSTMENT	(3) MWH SALES @ EFFECTIVE LEVEL
I. RESIDENTIAL SERVICE	15,990,133	100%	15,990,133
II. GENERAL SERVICE NON DEMAND			
TRANSMISSION	0	98%	0
PRIMARY	6,955	99%	6,895
SECONDARY	1,174,263	100%	1,174,263
TOTAL	1,181,218		1,181,148
III. GS - 100% L.F.	52,025	100%	52,025
IV. GENERAL SERVICE DEMAND			
SS-1/GSD - TRANSMISSION	11,711	98%	11,477
GSD - PRIMARY	2,445,262	99%	2,420,809
SS-1 - PRIMARY	0	99%	0
SUBTOTAL - PRIMARY	2,445,262		2,420,809
GSD - SECONDARY	9,640,306	100%	9,640,306
TOTAL	12,097,278		12,072,591
V. CURTAILABLE SERVICE			
PRIMARY	183,555	99%	181,719
SECONDARY	1,891	100%	1,891
TOTAL	185,446		183,610
VI. INTERRUPTIBLE SERVICE			
IS - TRANSMISSION	524,816	98%	514,320
SS-2 - TRANSMISSION	113,846	98%	111,569
SUBTOTAL - TRANSMISSION	638,662		625,889
IS - PRIMARY	1,814,111	99%	1,795,970
SS-2 - PRIMARY	39,915	99%	39,516
SUBTOTAL - PRIMARY	1,854,026		1,835,486
IS-1 - SECONDARY	72,443	100%	72,443
TOTAL	2,565,131		2,533,818
VII. LIGHTING SERVICE	227,200	100%	227,200
TOTAL RETAIL	32,298,430		32,240,526

SCHEDULE C-2
APRIL 1998 THROUGH MARCH 1999

FLORIDA POWER CORPORATION

ESTIMATED CONSERVATION PROGRAM COSTS
FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

FPSC DOCKET NO. 980002-EG
FLORIDA POWER CORPORATION
WITNESS: M. F. JACOB
EXHIBIT NO: _
MFJ - 1
SCHEDULE C - 2
PAGE 1 OF 6
JANUARY 13, 1998

LINE NO.	PROGRAM TITLE Demand (D) or Energy (E)	12 MONTH TOTAL		
1	BETTER BUSINESS (908.15) (E)	\$ 800,505		
2	GAS DEMONSTRATION (908.17) (E)	25,944		
3	RESIDENTIAL NEW CONSTRUCT (908.22) (E)	1,643,636		
4	HOME ENERGY IMPROVEMENT (908.23) (E)	3,247,955		
5	CI NEW CONSTRUCTION (908.24) (E)	302,129		
6	HOME ENERGY CHECK (908.25) (E)	2,598,951		
7	BUSINESS ENERGY CHECK (908.28) (E)	530,439		
8	CONSERVATION PROGRAM ADMIN (908.35) (E)	3,353,891		
9	CONSERVATION PROGRAM ADMIN (908.35) (D)	318,754		
10	QUALIFYING FACILITY (908.42) (E)	530,934		
11	INNOVATION INCENTIVE (908.60) (E)	416,272		
12	TECHNOLOGY DEVELOPMENT (908.65) (E)	101,753		
13	STANDBY GENERATION (908.69) (D)	663,700		
14	INTERRUPTIBLE SERVICE (908.70 & .71) (D)	20,696,876		
15	CURTAILABLE SERVICE (908.72 & .73) (D)	830,473		
16	RES ENERGY MANGMNT-ADMIN (908.75 & .77) (D)	38,318,493		
17	RES ENERGY MANGMNT-EQUIP SVC (908.76) (D)	1,957,767		
18	LOAD MANAGEMENT SWITCHES (908.80) (D)	3,589,105		
19	COM ENERGY MANGMNT-ADMIN (908.85 & .87) (D)	293,466		
20	COM ENERGY MANGMNT-EQUIP SVC (908.86) (D)	55,500		
21				
22	NET PROGRAM COSTS	<u>\$ 80,276,541</u>		
23				
24	<u>SUMMARY OF DEMAND & ENERGY</u>			
25				
26				
27				
28	ENERGY	\$ 13,552,409	Prior Period True - up Sch C-3 p 9	\$ (1,883,599)
29				\$ 11,668,810
30	DEMAND	66,724,132		\$ (9,275,161)
31				\$ 57,448,971
32	TOTAL	<u>\$ 80,276,541</u>		<u>\$ (11,158,760)</u>
				<u>\$ 69,117,781</u>

FLORIDA POWER CORPORATION

ESTIMATED CONSERVATION PROGRAM COSTS
FOR THE PERIOD APRIL 1988 THROUGH MARCH 1989

FLORIDA POWER CORPORATION
WITNESS M F JACOB
EXHIBIT NO. -
MF J - 1
SCHEDULE C - 2
PAGE 7 OF 8
JANUARY 13, 1988

LN NO	PROGRAM TITLE Demand (D) or Energy (E)	ESTIMATED												TOTAL	
		Apr-88	May-88	Jun-88	Jul-88	Aug-88	Sep-88	Oct-88	Nov-88	Dec-88	Jan-89	Feb-89	Mar-89		
1	BETTER BUSINESS (R08 15) (E)	\$ 87,008	\$ 86,827	\$ 86,516	\$ 86,474	\$ 86,723	\$ 86,547	\$ 87,249	\$ 86,521	\$ 86,636	\$ 86,669	\$ 86,669	\$ 86,669	\$ 86,669	\$ 860,505
2	CAIS DEMONSTRATION (R08 17) (E)	4,316	1,143	1,081	4,182	1,127	1,065	4,366	1,079	1,065	2,153	2,153	2,153	2,153	25,844
3	CENTRAL NEW CONSTRUCT (R08 22) (E)	138,587	137,437	135,459	136,242	136,174	136,862	141,115	135,517	135,811	136,724	136,724	136,724	136,724	1,421,636
4	HOME ENERGY IMPROVEMENT (R08 23) (E)	274,367	272,162	268,420	268,915	270,908	268,782	277,222	268,501	268,822	270,166	270,166	270,166	270,166	3,217,865
5	CA NEW CONSTRUCTION (R08 34) (E)	28,288	28,224	28,101	28,088	28,182	28,112	28,266	28,153	28,160	28,182	28,182	28,182	28,182	302,129
6	HOME ENERGY CHECK (R08 20) (E)	238,888	217,868	205,366	215,887	213,864	208,687	246,140	208,822	205,115	215,065	215,065	215,065	215,065	2,368,301
7	BUSINESS ENERGY CHECK (R08 28) (E)	68,532	65,211	42,818	42,467	44,305	43,033	68,418	42,861	42,364	43,912	43,912	43,912	43,912	530,439
8	CONSERVATION PROGRAM ADMIN (R08 35) (E)	324,003	217,814	214,886	425,028	308,410	281,030	342,361	213,871	190,243	263,804	263,249	263,249	263,249	3,353,891
9	CONSERVATION PROGRAM ADMIN (R08 35) (D)	28,156	17,447	17,483	41,518	30,843	27,310	34,217	20,186	17,875	25,818	25,818	25,818	25,818	318,754
10	QUALIFYING FACILITY (R08 42) (E)	47,817	46,858	43,020	41,723	44,464	42,536	50,183	42,292	42,098	43,815	43,812	43,812	43,812	530,834
11	RENOVATION PROGRAM ADMIN (R08 69) (E)	34,838	34,788	34,348	34,518	34,709	34,567	35,136	34,550	34,567	34,859	34,859	34,859	34,859	418,272
12	TECHNOLOGY DEVELOPMENT (R08 66) (E)	10,338	8,817	7,827	8,942	7,775	7,846	9,315	7,834	7,604	8,589	8,589	8,589	8,589	101,753
13	STANDBY GENERATION (R08 70 & 71) (D)	95,400	95,344	95,251	95,258	95,113	95,258	95,474	95,251	95,252	95,296	95,296	95,296	95,296	683,790
14	INTERMITTENT SERVICE (R08 70 & 71) (D)	1,860,879	1,867,512	1,728,645	1,748,014	1,802,447	1,891,424	1,970,802	1,872,854	1,509,002	1,891,589	1,891,589	1,891,589	1,891,589	20,898,875
15	CURTAINABLE SERVICE (R08 72 & 73) (D)	88,205	88,205	88,205	88,205	88,205	88,205	88,205	88,205	88,215	88,208	88,208	88,208	88,208	830,473
16	RES ENERGY MANAGEMENT-ADMIN (R08 75 & 77) (D)	2,473,315	2,711,795	3,341,851	3,332,873	3,483,512	3,587,369	3,105,068	3,078,708	2,400,542	3,284,735	3,284,735	3,284,735	3,284,735	38,318,483
17	RES ENERGY MANAGEMENT-EQUIP (R08 76) (D)	169,731	168,813	158,379	158,828	163,646	159,828	174,768	159,499	159,436	162,311	162,311	162,311	162,311	1,867,987
18	LOAD MANAGEMENT SWITCHES (R08 80) (D)	336,610	328,475	316,300	308,479	297,620	294,133	291,881	288,336	285,065	283,418	283,418	283,418	283,418	3,588,105
19	COM ENERGY MANAGEMENT-ADMIN (R08 83 & 87) (D)	24,550	24,483	24,404	24,391	24,462	24,411	24,622	24,403	24,398	24,444	24,444	24,444	24,444	293,466
20	COM ENERGY MANAGEMENT-EQUIP (R08 86) (D)	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	4,625	55,500
21	NET PROGRAM COSTS	\$ 8,261,059	\$ 8,205,733	\$ 8,262,767	\$ 7,094,437	\$ 8,851,677	\$ 7,626,153	\$ 8,578,621	\$ 8,717,238	\$ 6,545,263	\$ 8,682,068	\$ 8,682,068	\$ 8,682,068	\$ 8,682,068	\$ 89,278,541
22															
23															
24															
25	SUMMARY OF DEMAND & ENERGY														
26															
27	ENERGY	\$ 1,210,666	\$ 1,073,024	\$ 1,048,614	\$ 1,263,670	\$ 1,208,004	\$ 1,112,460	\$ 1,247,781	\$ 1,043,371	\$ 1,000,023	\$ 1,110,548	\$ 1,110,548	\$ 1,110,548	\$ 1,110,548	\$ 13,062,409
28	DEMAND	5,153,173	5,162,709	5,717,153	5,749,767	5,746,673	5,813,673	5,330,840	5,673,867	5,529,240	5,981,650	5,981,650	5,981,650	5,981,650	66,724,132
29															
30															
31	TOTAL	\$ 6,364,839	\$ 6,235,733	\$ 6,765,767	\$ 7,004,437	\$ 6,954,677	\$ 6,926,153	\$ 6,578,621	\$ 6,717,238	\$ 6,545,263	\$ 8,682,068	\$ 8,682,068	\$ 8,682,068	\$ 8,682,068	\$ 89,278,541

FLORIDA POWER CORPORATION
 ESTIMATED CONSERVATION PROGRAM COSTS
 FOR THE PERIOD APRIL 1998 THROUGH MARCH 1999

LINE NO	PROGRAM TITLE Demand (D) or Energy (E)	DEPRECIATION AMORTIZATION RETURN	PAYROLL & BENEFITS	MATERIALS & SUPPLIES	OUTSIDE SERVICES	ADVERTISING	INCENTIVES	VEHICLES	OTHER	PROGRAM REVENUES (CREDITS)	TOTAL
1	BETTER BUSINESS (908 15) (E)	\$ -	\$ 31,826	\$ -	\$ 6,502	\$ 29,507	\$ 715,156	\$ 11,657	\$ 5,857	\$ -	\$ 800,505
2	GAS DEMONSTRATION (908 17) (E)	-	7,109	5,002	12,500	-	-	253	1,090	-	25,944
3	RESIDENTIAL NEW CONSTRUCT (903 22) (E)	-	208,546	365	86,441	330,003	942,500	25,764	42,497	-	1,643,036
4	HOME ENERGY IMPROVEMENT (903 23) (E)	-	407,046	502	30,944	500,017	2,142,600	24,917	141,925	-	3,247,955
5	CI NEW CONSTRUCTION (908 24) (E)	-	12,174	-	-	52,004	235,341	1,281	1,329	-	302,129
6	HOME ENERGY CHECK (908 25) (E)	5,655	1,272,289	9,249	636,256	383,510	-	110,287	181,707	-	2,598,951
7	BUSINESS ENERGY CHECK (908 26) (E)	-	242,431	9,597	119,501	13,503	50,002	50,810	44,596	-	538,439
8	CONSERVATION PROGRAM ADMIN (908 35) (E)	485,082	790,148	34,660	1,099,674	2,211	-	11,551	930,585	-	3,353,891
9	CONSERVATION PROGRAM ADMIN (908 35) (D)	-	87,796	3,848	122,187	245	-	1,281	103,398	-	318,754
10	QUALIFYING FACILITY (908 42) (E)	3,504	342,876	101	100,102	-	-	3,052	81,300	-	530,824
11	INNOVATION INCENTIVE (908 69) (E)	-	25,683	-	19,500	-	320,002	35,969	15,118	-	416,272
12	TECHNOLOGY DEVELOPMENT (908 65) (E)	-	23,570	5,000	33,003	-	23,002	859	16,320	-	101,753
13	STANDBY GENERATION (908 69) (D)	-	9,845	11,852	32,201	10,001	597,600	2,201	-	-	663,700
14	INTERRUPTIBLE SERVICE (908 70 & 71) (E)	-	9,845	30,000	-	-	20,655,230	1,800	-	-	20,696,876
15	CURTailable SERVICE (908 72 & 73) (D)	-	-	30,000	-	-	800,473	-	-	-	830,473
16	RES ENERGY MANDMT-ADMIN (908 75 & 77) (D)	-	912,909	59,928	357,653	431,005	34,364,949	31,852	804,425	-	36,962,721
17	RES ENERGY MANDMT-EQUIP SVC (908 73) (D)	1,355,772	711,029	1,548	1,091,860	-	-	70,481	82,851	-	3,313,539
18	LOAD MANAGEMENT SWITCHES (908 89) (E)	3,589,105	-	-	-	-	-	-	-	-	3,589,105
19	COM ENERGY MANDMT-ADMIN (908 85 & 87) (D)	-	9,881	-	55,500	-	283,565	-	-	-	293,466
20	COM ENERGY MANDMT-EQUIP SVC (908 83) (D)	-	-	-	-	-	-	-	-	-	55,500
21											
22	NET PROGRAM COSTS	\$ 5,439,098	\$ 5,103,001	\$ 201,670	\$ 3,603,823	\$ 1,752,006	\$ 61,140,439	\$ 383,514	\$ 2,452,990	\$ -	\$ 80,276,541
23											
24											
25	SUMMARY OF DEMAND & ENERGY										
26											
27	ENERGY	\$ 494,221	\$ 3,361,696	\$ 64,495	\$ 2,144,423	\$ 1,310,755	\$ 4,438,033	\$ 275,900	\$ 1,462,317	\$ -	\$ 13,552,409
28											
29	DEMAND	4,844,877	1,741,305	137,175	1,659,401	441,251	56,701,837	107,614	990,673	-	66,724,132
30											
31	TOTAL	\$ 5,439,098	\$ 5,103,001	\$ 201,670	\$ 3,603,823	\$ 1,752,006	\$ 61,140,439	\$ 383,514	\$ 2,452,990	\$ -	\$ 80,276,541

FLORIDA POWER CORPORATION
 SCHEDULE OF ESTIMATED INVESTMENT, AMORTIZATION & RETURN
 ON LOAD CONTROL EQUIPMENT
 FOR THE PERIOD APRIL 1988 THROUGH MARCH 1998

LINE NO	PROGRAM TITLE	ESTIMATED												TOTAL				
		Apr-88	May-88	Jun-88	Jul-88	Aug-88	Sep-88	Oct-88	Nov-88	Dec-88	Jan-89	Feb-89	Mar-89					
1	LOAD MANAGEMENT SWITCHES (108.80) (D)																	
2	LOAD CONTROL RECEIVERS, SWITCHES																	
3	AND HARDWARE - INVESTMENT	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,227	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 205,198	\$ 2,482,381
4	RETIREMENTS	790,588	778,404	796,815	860,700	451,463	347,404	304,271	505,600	277,305	277,305	204,328	304,665	304,665	304,665	304,665	304,665	3,332,858
5	AMORTIZATION BASE	18,198,078	15,022,771	15,041,658	14,415,484	13,982,508	13,767,668	13,648,277	13,448,487	13,259,248	13,259,248	13,114,840	13,114,840	13,114,840	13,114,840	13,114,840	13,114,840	158,888,941
6	AMORTIZATION EXPENSE	268,871	269,380	250,891	240,258	232,702	228,689	227,438	224,092	220,888	220,888	219,405	219,381	217,774	217,774	217,774	217,774	2,811,790
10	CUMULATIVE INVESTMENT	18,808,276	18,337,167	14,745,746	14,088,238	13,838,872	13,688,764	13,586,689	13,295,285	13,223,207	13,223,207	13,114,805	13,114,779	13,013,308	13,013,308	13,013,308	13,013,308	13,013,308
11	LESS ACC AMORTIZATION	8,034,417	8,316,723	7,872,789	7,347,363	7,128,862	7,010,853	6,931,820	6,860,312	6,583,886	6,583,886	6,488,879	6,488,879	6,312,232	6,312,232	6,312,232	6,312,232	6,424,301
12	NET INVESTMENT	8,873,859	8,118,444	6,872,957	6,740,875	6,709,910	6,677,911	6,654,869	6,434,973	6,639,321	6,639,321	6,625,926	6,625,926	6,701,076	6,701,076	6,701,076	6,701,076	6,589,008
13	AVERAGE INVESTMENT	8,903,898	8,148,038	6,795,897	6,754,418	6,724,133	6,693,246	6,674,421	6,454,421	6,637,063	6,637,063	6,622,069	6,622,069	6,702,234	6,702,234	6,702,234	6,702,234	6,593,275
14	RETURN ON AVERAGE INVESTMENT	48,170	47,751	47,600	47,119	46,801	46,270	46,558	46,414	46,282	46,282	46,189	46,092	46,002	46,002	46,002	46,002	561,639
15	RETURN REQUIREMENTS	66,679	66,090	65,809	65,270	64,918	64,699	64,443	64,244	64,077	64,077	63,833	63,799	63,674	63,674	63,674	63,674	777,305
17	TOTAL AMORTIZATION AND RETURN	\$ 338,810	\$ 328,475	\$ 318,300	\$ 308,479	\$ 297,620	\$ 284,133	\$ 291,681	\$ 283,338	\$ 285,065	\$ 285,065	\$ 283,418	\$ 282,380	\$ 281,408	\$ 281,408	\$ 281,408	\$ 281,408	\$3,568,105
SUMMARY OF DEMAND & ENERGY		\$ 67,266	\$ 61,668	\$ 58,931	\$ 47,160	\$ 37,695	\$ 26,000	\$ 33,779	\$ 32,739	\$ 31,818	\$ 31,818	\$ 31,402	\$ 30,738	\$ 30,378	\$ 30,378	\$ 30,378	\$ 30,378	\$ 484,271
DEMAND		459,251	448,268	433,802	421,682	412,882	408,678	404,879	399,877	393,853	389,810	387,861	387,861	386,408	386,408	386,408	386,408	4,844,877
TOTAL DEPRECIATION AND RETURN		\$ 531,817	\$ 507,806	\$ 492,233	\$ 488,632	\$ 480,577	\$ 444,876	\$ 438,695	\$ 432,716	\$ 429,771	\$ 429,812	\$ 418,880	\$ 418,880	\$ 418,833	\$ 418,833	\$ 418,833	\$ 418,833	\$ 4,328,086

NOTE: DEPRECIATION EXPENSE IS CALCULATED USING A MONTHLY RATE OF 0.166667 OR 20% ANNUALLY. RETURN ON AVERAGE INVESTMENT IS CALCULATED USING A MONTHLY RATE OF 0.00875 (0.37% ANNUALLY). AUTHORIZED BY THE FFPC IN DOCKET NO. 86002-010. RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.07%.

SCHEDULE C-3
OCTOBER AND NOVEMBER 1997 ACTUAL
DECEMBER 1997 THROUGH MARCH 1998 ESTIMATED

FLORIDA POWER CORPORATION
 CONSERVATION PROGRAM COSTS
 OCTOBER AND NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 THROUGH MARCH, 1998 ESTIMATED

LINE NO	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS					VEHICLES	OTHER	PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	MATERIALS & SUPPLIES	OUTSIDE SERVICES	ADVERTISING	INCENTIVES				
1	BETTER BUSINESS (908 15)										
2	A. ACTUAL	\$ -	\$ 7,316	\$ -	\$ -	\$ 1,410	\$ 47,684	\$ 438	\$ -	\$ -	\$ 56,848
3	B. ESTIMATED	-	10,385	1,623	7,368	198,782	3,113	1,452	-	-	222,773
4											
5	C. TOTAL	-	17,701	1,623	8,778	246,466	3,551	1,452	-	-	279,571
6											
7	ENERGY MONITOR (908 16)										
8	A. ACTUAL	-	324	-	-	-	-	-	-	-	324
9	B. ESTIMATED	-	300	-	-	-	-	-	-	-	300
10											
11	C. TOTAL	-	624	-	-	-	-	-	-	-	624
12											
13	GAS DEMONSTRATION (908 17)										
14	A. ACTUAL	-	168	-	-	-	-	-	-	-	168
15	B. ESTIMATED	-	1,856	1,248	3,125	-	57	270	-	-	6,656
16											
17	C. TOTAL	-	2,124	1,248	3,125	-	57	270	-	-	6,824
18											
19	A/C MAINTENANCE (908 19)										
20	A. ACTUAL	-	-	-	-	-	-	-	-	-	-
21	B. ESTIMATED	-	-	-	-	-	-	-	-	-	-
22											
23	C. TOTAL	-	-	-	-	-	-	-	-	-	-
24											
25	RESIDENTIAL NEW CONSTRUCT (908 22)										
26	A. ACTUAL	-	39,705	6,647	23,305	2,700	1,925	1,671	-	-	78,163
27	B. ESTIMATED	-	67,977	27,109	87,497	240,125	7,312	11,403	-	-	441,519
28											
29	C. TOTAL	-	107,682	33,756	110,802	242,825	9,237	13,274	-	-	519,702
30											
31	HOME ENERGY IMPROVEMENT (908 23)										
32	A. ACTUAL	-	66,769	3,782	46,304	499,165	3,410	453	-	-	619,683
33	B. ESTIMATED	-	126,714	9,731	134,983	695,650	7,713	37,904	-	-	1,002,816
34											
35	C. TOTAL	-	193,483	13,513	181,287	1,194,815	11,123	38,357	-	-	1,622,701

FLORIDA POWER CORPORATION
 CONSERVATION PROGRAM COSTS
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO. 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS M. F. JACOB
 EXHIBIT NO. _____
 MFJ - 1
 SCHEDULE C - 3
 PAGE 2 OF 10
 JANUARY 13, 1998

LINE NO	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS						PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	MATERIALS & SUPPLIES	OUTSIDE SERVICES	ADVERTISING	INCENTIVES	VEHICLES		
1	C1 NEW CONSTRUCTION (908 24)									
2	A. ACTUAL	-	1,236	-	-	-	20,100	42	-	21,378
3	B. ESTIMATED	-	3,335	-	-	12,996	68,830	368	327	85,656
4										
5	C. TOTAL	-	4,571	-	-	12,996	88,930	410	327	107,234
6										
7	HOME ENERGY CHECK (908 25)									
8	A. ACTUAL	1,874	242,382	3,777	132,190	45,476	53	15,617	4,034	445,403
9	B. ESTIMATED	2,212	425,644	3,304	229,057	100,865	-	30,049	48,381	839,512
10										
11	C. TOTAL	4,086	668,026	7,081	361,247	146,341	53	45,666	52,415	1,284,915
12										
13	BUSINESS ENERGY CHECK (908 28)									
14	A. ACTUAL	81	27,527	87	323	-	-	2,156	721	30,895
15	B. ESTIMATED	-	71,307	2,391	30,074	3,372	12,498	13,681	11,612	144,935
16										
17	C. TOTAL	81	98,834	2,478	30,397	3,372	12,498	15,837	12,333	175,830
18										
19	CONSERVATION PROGRAM ADMIN (908 35)									
20	A. ACTUAL	129,571	107,374	1,637	10,215	-	-	393	199,698	448,888
21	B. ESTIMATED	252,690	258,946	3,745	179,359	10,825	-	3,681	410,811	1,120,057
22										
23	C. TOTAL	382,261	366,320	5,382	189,574	10,825	-	4,074	610,509	1,568,945
24										
25	QUALIFYING FACILITY (908 42)									
26	A. ACTUAL	628	32,494	9	(28,884)	-	-	6	3,485	7,738
27	B. ESTIMATED	1,233	94,639	24	30,023	-	-	756	21,858	148,533
28										
29	C. TOTAL	1,861	127,133	33	1,139	-	-	762	25,343	156,271
30										
31	INNOVATION INCENTIVE (908 60)									
32	A. ACTUAL	-	3,620	-	-	-	-	163	-	3,783
33	B. ESTIMATED	-	7,470	-	4,875	-	79,998	9,041	3,777	105,161
34										
35	C. TOTAL	-	11,090	-	4,875	-	79,998	9,204	3,777	108,944

FLORIDA POWER CORPORATION
 CONSERVATION PROGRAM COSTS
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS M F JACOB
 EXHIBIT NO -
 MFJ - 1
 SCHEDULE C - 3
 PAGE 3 OF 10
 JANUARY 13, 1998

LINE NO	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS						PROGRAM REVENUES (CREDITS)	TOTAL	
			PAYROLL & BENEFITS	MATERIALS & SUPPLIES	OUTSIDE SERVICES	ADVERTISING	INCENTIVES	VEHICLES			OTHER
1	TECHNOLOGY DEVELOPMENT (908 65)										
2	A. ACTUAL	-	1,119	-	157	-	2,327	133	458	(11,749)	(7,555)
3	B. ESTIMATED	-	6,079	1,250	8,397	-	5,748	360	9,299	-	31,133
4											
5	C. TOTAL	-	7,198	1,250	8,554	-	8,075	493	9,757	(11,749)	23,578
6											
7	STANDBY GENERATION (908 69)										
8	A. ACTUAL	-	2,292	551	-	-	66,632	24	-	-	69,499
9	B. ESTIMATED	-	4,286	3,481	8,049	2,499	183,400	565	-	-	202,260
10											
11	C. TOTAL	-	6,578	4,012	8,049	2,499	250,032	589	-	-	271,759
12											
13	INTERRUPTIBLE SERVICE (908 70 & 71)										
14	A. ACTUAL	-	-	3,265	-	-	3,420,207	-	-	-	3,423,472
15	B. ESTIMATED	-	2,286	11,000	-	-	6,566,871	450	-	-	6,580,607
16											
17	C. TOTAL	-	2,286	14,265	-	-	9,987,078	450	-	-	10,004,079
18											
19	CURTAILABLE SERVICE (908 72 & 73)										
20	A. ACTUAL	-	(115)	-	-	-	161,778	-	-	-	161,661
21	B. ESTIMATED	-	-	7,500	-	-	255,115	-	-	-	262,615
22											
23	C. TOTAL	-	(115)	7,500	-	-	416,891	-	-	-	424,276
24											
25	RES ENERGY MANGMNT-ADMIN (908 75 & 77)										
26	A. ACTUAL	-	141,691	8,134	23,195	87,431	5,252,789	4,171	132,903	-	5,650,314
27	B. ESTIMATED	-	277,115	16,853	101,403	147,745	11,991,048	10,453	310,437	-	12,855,054
28											
29	C. TOTAL	-	418,806	24,987	124,598	235,176	17,243,837	14,624	443,340	-	18,505,368
30											
31	RES ENERGY MANGMNT-EQUIP SVC (908 76)										
32	A. ACTUAL	268,943	106,163	2,481	183,780	-	35	10,014	3,923	-	575,299
33	B. ESTIMATED	521,226	215,276	875	362,058	-	-	25,807	23,482	-	1,149,424
34											
35	C. TOTAL	790,169	321,439	3,336	546,718	-	35	35,821	27,405	-	1,724,723

FLORIDA POWER CORPORATION
 SCHEDULE OF CAPITAL INVESTMENTS, DEPRECIATION & RETURN
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO. 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS: M. F. JACOB
 EXHIBIT NO. -
 MFJ - 1
 SCHEDULE C - 3
 PAGE 5 OF 10
 JANUARY 13, 1998

LINE NO	PROGRAM TITLE	ACTUAL			ESTIMATE			TOTAL
		OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	
1	HOME ENERGY CHECK (908.25)							
2	INVESTMENT	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
3	RETIREMENTS	0	0	25,206	0	0	0	25,206
4	DEPRECIATION BASE	47,821	47,821	35,216	22,815	22,815	22,815	
5								
6	DEPRECIATION EXPENSE	797	797	687	377	377	377	3,312
7								
8	CUMULATIVE INVESTMENT	47,821	47,821	22,815	22,815	22,815	22,815	22,815
9	LESS: ACC. DEPRECIATION	33,303	34,100	9,481	9,858	10,235	10,612	10,612
10	NET INVESTMENT	14,518	13,721	13,134	12,757	12,380	12,003	12,003
11	AVERAGE INVESTMENT	14,918	14,120	13,428	12,946	12,569	12,192	
12	RETURN ON AVERAGE INVESTMENT	104	98	93	90	88	85	558
13								
14	RETURN REQUIREMENTS	144	136	129	125	122	118	774
15								
16	PROGRAM TOTAL	\$ 941	\$ 933	\$ 716	\$ 502	\$ 499	\$ 495	\$4,086
17								
18	BUSINESS ENERGY CHECK (908.28)							
19	INVESTMENT	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
20	RETIREMENTS	0	0	2,801	0	0	0	2,801
21	DEPRECIATION BASE	2,801	2,801	1,401	0	0	0	
22								
23	DEPRECIATION EXPENSE	47	34	0	0	0	0	81
24								
25	CUMULATIVE INVESTMENT	2,801	2,801	0	0	0	0	0
26	LESS: ACC. DEPRECIATION	2,767	2,801	0	0	0	0	0
27	NET INVESTMENT	34	0	0	0	0	0	0
28	AVERAGE INVESTMENT	58	17	0	0	0	0	
29	RETURN ON AVERAGE INVESTMENT	0	0	0	0	0	0	0
30								
31	RETURN REQUIREMENTS	0	0	0	0	0	0	0
32								
33	PROGRAM TOTAL	\$ 47	\$ 34	\$ 0	\$ 0	\$ 0	\$ 0	\$81
34								
35	CONSERV PRORAM ADMIN (908.35)							
36	INVESTMENT	\$ 671	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$671
37	RETIREMENTS	0	0	0	0	0	0	0
38	DEPRECIATION BASE	3,348,647	3,348,982	3,348,982	3,348,982	3,348,982	3,348,982	
39								
40	DEPRECIATION EXPENSE	55,811	55,816	55,816	55,816	55,816	55,816	334,891
41								
42	CUMULATIVE INVESTMENT	3,348,982	3,348,982	3,348,982	3,348,982	3,348,982	3,348,982	3,348,982
43	LESS: ACC. DEPRECIATION	2,419,508	2,475,324	2,531,140	2,586,956	2,642,772	2,698,588	2,698,588
44	NET INVESTMENT	929,474	873,658	817,842	762,026	706,210	650,394	650,394
45	AVERAGE INVESTMENT	957,044	901,598	845,750	789,934	734,118	678,302	
46	RETURN ON AVERAGE INVESTMENT	6,675	6,289	5,900	5,509	5,120	4,731	34,224
47								
48	RETURN REQUIREMENTS	9,239	8,705	8,168	7,625	7,087	6,548	47,370
49								
50	PROGRAM TOTAL	\$ 65,050	\$ 64,521	\$ 63,982	\$ 63,441	\$ 62,903	\$ 62,364	\$382,261

FLORIDA POWER CORPORATION
 SCHEDULE OF CAPITAL INVESTMENTS, DEPRECIATION & RETURN
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO. 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS: M. F. JACOB
 EXHIBIT NO. _____
 MFJ - 1
 SCHEDULE C - 3
 PAGE 7 OF 10
 JANUARY 13, 1998

LINE NO	PROGRAM TITLE	ACTUAL			ESTIMATE			TOTAL
		OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	
1	LOAD MANAGEMENT SWITCHES (908.80)							
2	LOAD CONTROL RECEIVERS, SWITCHES,							
3	AND HARDWARE-INVESTMENT	\$ 404,360	\$ 133,578	\$ 200,000	\$ 205,198	\$ 205,198	\$ 205,198	\$1,353,526
4	RETIREMENTS	1,446,419	864,721	845,241	647,922	1,094,950	789,817	5,669,070
5	AMORTIZATION BASE	20,278,292	19,391,691	18,703,499	18,159,515	17,493,275	16,798,088	
6								
8	AMORTIZATION EXPENSE	337,972	323,195	311,729	302,659	291,555	279,435	1,848,542
9								
10	CUMULATIVE INVESTMENT	19,757,262	19,026,119	18,380,878	17,938,152	17,048,398	16,483,777	16,483,777
11	LESS: ACC. AMORTIZATION	12,259,491	11,717,965	11,184,450	10,839,187	10,035,792	9,545,410	9,545,410
12	NET INVESTMENT	7,497,771	7,308,154	7,196,428	7,098,965	7,012,606	6,938,367	6,938,367
13	AVERAGE INVESTMENT	7,464,577	7,402,963	7,252,291	7,147,897	7,055,788	6,975,487	
14	RETURN ON AVERAGE INVESTMENT	52.065	51.635	50.584	49.855	49.214	48.654	302.007
15								
16	RETURN REQUIREMENTS	72,066	71,471	70,016	69,007	68,120	67,345	418,025
17								
18	TOTAL AMORTIZATION AND RETURN	\$410,038	\$384,666	\$381,742	\$371,666	\$359,675	\$346,780	\$2,264,667

NOTE: DEPRECIATION EXPENSE IS CALCULATED USING A MONTHLY RATE OF .016667 OR 20% ANNUALLY. RETURN ON AVERAGE INVESTMENT IS CALCULATED USING A MONTHLY RATE OF .006975 (8.37% ANNUALLY, AUTHORIZED BY THE FPSC IN DOCKET NO. 910890-E). RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%.

FLORIDA POWER CORPORATION
 CONSERVATION PROGRAM COSTS
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO. 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS: M. F. JACOB
 EXHIBIT NO. -
 MFJ - 1
 SCHEDULE C - 3
 PAGE 8 OF 10
 JANUARY 13, 1998

LINE NO.	PROGRAM TITLE	ACTUAL			ESTIMATE				GRAND TOTAL	
		OCT 97	NOV 97	TOTAL	DEC 97	JAN 98	FEB 98	MAR 98		TOTAL
1	BETTER BUSINESS (908.15)	\$ 12,424	\$ 44,424	\$ 56,848	\$ 23,200	\$ 65,989	\$ 66,636	\$ 66,898	\$ 222,723	\$ 279,571
2	ENERGY MONITOR (908.16)	351	(27)	324	300	-	-	-	300	624
3	GAS DEMONSTRATION (908.17)	(110)	278	168	300	4,090	1,107	1,159	6,856	6,824
4	A/C MAINTENANCE (908.19)	-	-	-	-	-	-	-	-	-
5	RESIDENTIAL NEW CONSTRUCT (908.22)	45,917	32,286	78,183	34,300	133,193	136,144	137,882	441,519	519,702
6	HOME ENERGY IMPROVEMENT (908.23)	232,678	387,205	619,883	198,000	262,179	269,561	273,078	1,002,818	1,822,701
7	CA NEW CONSTRUCTION (908.24)	2,280	19,098	21,378	10,550	24,899	35,149	25,258	85,856	107,234
8	HOME ENERGY CHECK (908.25)	212,209	233,194	445,403	212,218	196,477	210,090	220,729	839,512	1,284,915
9	BUSINESS ENERGY CHECK (908.26)	17,011	13,884	30,895	18,700	38,720	43,754	45,761	144,935	175,830
10	CONSERVATION PROGRAM ADMIN (908.35)	235,707	213,181	448,888	231,482	378,872	255,733	253,970	1,120,057	1,568,945
11	QUALIFYING FACILITY (908.42)	48,337	(40,599)	7,738	22,111	39,381	43,614	48,427	148,533	156,271
12	INNOVATION INCENTIVE (908.60)	3,188	595	3,783	1,550	34,141	34,828	34,842	105,161	108,944
13	TECHNOLOGY DEVELOPMENT (908.65)	(8,128)	573	(7,555)	3,900	9,618	8,705	8,910	31,133	23,578
14	STANDBY GENERATION (908.69)	33,544	35,955	69,499	38,516	55,093	55,282	55,369	202,280	271,759
15	INTERRUPTIBLE SERVICE (908.70 & .71)	1,801,397	1,822,075	3,423,472	1,903,500	1,532,222	1,645,946	1,498,939	6,580,807	10,004,079
16	CURTAILABLE SERVICE (908.72 & .73)	107,095	54,588	161,681	55,000	89,205	89,205	89,205	262,615	424,276
17	RES ENERGY MANGMNT-ADMIN (908.75 & .77)	3,123,891	2,526,823	5,650,714	2,733,874	3,580,482	3,411,127	3,129,571	12,855,054	18,505,368
18	RES ENERGY MANGMNT-EQUIP SVC (908.76)	313,037	282,262	575,299	282,207	279,518	292,888	294,813	1,149,424	1,724,723
19	LOAD MANAGEMENT SWITCHES (908.80)	410,038	394,888	804,924	381,742	371,868	359,875	348,780	1,459,863	2,264,567
20	COM ENERGY MANGMNT-ADMIN (908.85 & .87)	48,859	47,463	96,322	49,500	24,247	24,429	24,518	122,694	219,016
21	COM ENERGY MANGMNT-EQUIP SVC (908.89)	-	83	83	50	4,625	4,625	4,625	13,925	13,988
22										
23	TOTAL ALL PROGRAMS	6,439,525	6,047,745	12,487,270	6,196,998	7,101,617	6,958,298	6,531,734	26,795,645	39,282,915
24										
25	LESS: BASE RECOVERY	-	-	-	-	-	-	-	-	-
26										
27	NET RECOVERABLE	6,439,525	6,047,745	12,487,270	6,196,998	7,101,617	6,958,298	6,531,734	26,795,645	39,282,915
28										
29	ADD: PROGRAM REVENUES	11,749	-	11,749	-	-	-	-	-	11,749
30										
31	CONSERVATION EXPENSES	\$ 6,451,274	\$ 6,047,745	\$ 12,499,019	\$ 6,196,998	\$ 7,101,617	\$ 6,958,298	\$ 6,538,734	\$ 26,795,645	\$ 39,294,664

FLORIDA POWER CORPORATION
 ENERGY CONSERVATION ADJUSTMENT
 CALCULATION OF TRUE-UP
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO. 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS M F JACOB
 EXHIBIT NO. _____
 MFJ - 1
 SCHEDULE C - 3
 PAGE 9 OF 10
 JANUARY 13, 1998

LINE NO	PROGRAM TITLE	ACTUAL			ESTIMATE			TOTAL
		OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	
1	HOME ENERGY ANALYSIS FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2								
3	BUSINESS ENERGY ANALYSIS FEES	-	-	-	-	-	-	0
4								
5	HOME ENERGY FIXUP FEES	-	-	-	-	-	-	0
6								
7	RESID DUCT TEST FEES	-	-	-	-	-	-	0
8								
9	TECHNOLOGY DEVELOPMENT	11,749	-	-	-	-	-	11,749
10								
11	SUBTOTAL AUDIT FEES	11,749	0	0	0	0	0	11,749
12								
13	CONSERVATION ADJ. REVENUES	7,139,713	5,692,610	5,497,210	6,141,916	5,914,841	5,590,060	35,976,350
14								
15	TOTAL REVENUES	7,151,462	5,692,610	5,497,210	6,141,916	5,914,841	5,590,060	35,988,099
16								
17	PRIOR TRUE-UP OVER/(UNDER)	1,387,230	1,387,230	1,387,230	1,387,230	1,387,230	1,387,230	8,323,380
18								
19	CONSERVATION REVENUES							
20	APPLICABLE TO PERIOD	8,538,692	7,079,840	6,884,440	7,529,146	7,302,071	6,977,290	44,311,479
21								
22	CONSERVATION EXPENSES	6,451,274	6,047,745	6,196,998	7,101,617	6,956,296	6,538,734	39,294,664
23								
24	TRUE-UP THIS PERIOD	(2,087,418)	(1,032,095)	(687,442)	(427,529)	(343,775)	(438,556)	(5,016,815)
25	(OVER)UNDER RECOVERY							
26	INTEREST PROVISION THIS PERIOD	(66,476)	(67,781)	(68,418)	(67,216)	(62,544)	(57,876)	(390,291)
27								
28	TRUE-UP & INTEREST PROVISIONS							
29	BEGINNING OF MONTH	(14,075,034)	(14,841,698)	(14,554,324)	(13,922,954)	(13,030,469)	(12,049,558)	(14,075,034)
30								
31	AUDIT ADJUSTMENT	0	0	0	0	0	0	0
32								
33								
34	PRIOR TRUE-UP REFUNDED(COLL.)	1,387,230	1,387,230	1,387,230	1,387,230	1,387,230	1,387,230	8,323,380
35								
36	PERIOD END TOTAL NET TRUE-UP	(\$14,841,698)	(\$14,554,324)	(\$13,922,954)	(\$13,030,469)	(\$12,049,558)	(\$11,158,760)	(\$11,158,760)
37								
38								
39								
40	(OVER)UNDER RECOVERY							
41								
42	SUMMARY OF ALLOCATION:							
43								
44	ENERGY				\$ 13,552,409	16.88%	\$ (1,863,599)	
45								
46	DEMAND				\$ 66,724,132	83.12%	(9,275,161)	
47								
48	TOTAL				\$ 80,276,541	100.00%	\$ (11,158,760)	

FLORIDA POWER CORPORATION
 CALCULATION OF INTEREST PROVISION
 OCTOBER and NOVEMBER, 1997 ACTUAL
 DECEMBER, 1997 through MARCH, 1998 ESTIMATED

FPSC DOCKET NO 970002-EG
 FLORIDA POWER CORPORATION
 WITNESS M F JACOB
 EXHIBIT NO -
 MFJ - 1
 SCHEDULE C - 3
 PAGE 10 OF 10
 JANUARY 13, 1998

LINE NO	ACTUAL		ESTIMATE				TOTAL
	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	
1 BEGINNING TRUE-UP AMOUNT	(14,075,034)	(14,841,898)	(14,554,324)	(13,922,954)	(13,030,469)	(12,049,558)	
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(14,775,222)	(14,486,563)	(13,854,579)	(12,963,253)	(11,987,014)	(11,100,884)	
3 TOTAL BEGINNING & ENDING TRUE-UP	<u>(\$28,850,256)</u>	<u>(\$29,328,461)</u>	<u>(\$28,408,903)</u>	<u>(\$26,886,207)</u>	<u>(\$25,017,483)</u>	<u>(\$23,150,442)</u>	
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	<u>(\$14,425,128)</u>	<u>(\$14,664,131)</u>	<u>(\$14,204,430)</u>	<u>(\$13,443,104)</u>	<u>(\$12,508,742)</u>	<u>(\$11,575,221)</u>	
5 INTEREST RATE FIRST DAY REPORTING BUSINESS MONTH	5.530%	5.530%	5.560%	6.000%	6.000%	6.000%	
6 INTEREST RATE FIRST DAY SUBSEQUENT BUSINESS MONTH	<u>5.530%</u>	<u>5.560%</u>	<u>6.000%</u>	<u>6.000%</u>	<u>6.000%</u>	<u>6.000%</u>	
7 TOTAL (LINE 5 AND LINE 6)	11.060%	11.090%	11.560%	12.000%	12.000%	12.000%	
8 AVERAGE INTEREST RATE (50% OF LINE 7)	<u>5.530%</u>	<u>5.545%</u>	<u>5.780%</u>	<u>6.000%</u>	<u>6.000%</u>	<u>6.000%</u>	
9 INTEREST PROVISION (LINE 4 * LINE 8)	<u>(\$68,476)</u>	<u>(\$67,761)</u>	<u>(\$68,418)</u>	<u>(\$67,216)</u>	<u>(\$62,544)</u>	<u>(\$57,876)</u>	<u>(\$390,291)</u>

SCHEDULE C-4
APRIL 1998 THROUGH MARCH 1999

CALCULATION OF ENERGY CONSERVATION COST RECOVERY (ECCR) REVENUES
 FOR THE PERIOD: APRIL 1998 THROUGH MARCH 1999

	MONTH	JURISDICTIONAL MWH SALES	BASE REVENUES	CLAUSE REVENUE NET OF REVENUE TAXES
	1998			
1	APRIL	2,320,712	\$0	\$5,614,282
2	MAY	2,429,293	\$0	\$5,873,108
3	JUNE	2,857,566	\$0	\$7,081,477
4	JULY	3,115,717	\$0	\$7,865,590
5	AUGUST	3,206,480	\$0	\$8,130,277
6	SEPTEMBER	3,231,719	\$0	\$8,157,319
7	OCTOBER	2,858,824	\$0	\$7,103,419
8	NOVEMBER	2,394,613	\$0	\$5,766,817
9	DECEMBER	2,416,731	\$0	\$5,909,224
	1999			
10	JANUARY	2,572,666	\$0	\$6,481,534
11	FEBRUARY	2,505,531	\$0	\$6,272,468
12	MARCH	<u>2,388,571</u>	<u>\$0</u>	<u>\$5,889,118</u>
13	TOTAL	<u>32,298,423</u>	<u>\$0</u>	<u>\$80,144,633</u>

Schedule C-5

Program Description and Progress

Program Title: Home Energy Check

Program Description: The new Home Energy Check program is a comprehensive residential energy evaluation (audit) program. The program provides Florida Power Corporation's (FPC) residential customers with an analysis of energy consumption and recommendations on energy efficiency improvements. It acts as a motivational tool to identify, evaluate, and inform consumers on cost effective energy saving measures. It serves as the foundation of the residential Home Energy Improvement program and is a program requirement for participation. There are four versions of this audit: the free walk-thru, the paid walk-thru (\$15 charge), the energy rating (BERS) and the mail-in audit.

Program Projections for April, 1998 through March, 1999: It is estimated that 27,000 customers will participate in this program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$1,281,197.

Program Progress Summary: The Home Energy Check will continue to inform and motivate consumers on cost effective energy efficiency improvements which results in participation of energy efficiency measures being implemented.

Program Description and Progress

Program Title: Business Energy Check

Program Description: The Business Energy Check is an audit for non-residential customers, and has two parts. The free audit provides a no-cost energy audit for non-residential facilities. The paid audit provides a more thorough energy analysis for non-residential facilities. For each, a qualified energy auditor determines which energy-reducing actions apply to a customer's facility and operation. The cost of implementing recommended measures and the resulting savings are estimated in writing based on industry averages. The auditor also explains other Florida Power programs and incentives available to encourage implementation of the conservation recommendations.

Program Projections for April, 1998 through March, 1999: It is estimated that 650 customers will participate in this program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$175,854.

Program Progress Summary: The program is required for participation in most of the company's other non-residential DSM incentive programs.

Program Description and Progress

Program Title: Standby Generation

Program Description: Florida Power Corporation provides an incentive for customers to voluntarily operate their on-site generation during times of system peak.

Program Projections for April, 1998 through March, 1999: It is estimated that two new customer will participate in the program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$271,759.

Program Progress Summary: To date the program has 33 participants.

Program Description and Progress

Program Title: Qualifying Facility

Program Description: Power is purchased power from qualifying cogeneration and small power production facilities.

Program Projections for April, 1998 through March, 1999: Contracts for new qualifying facilities will continue to be negotiated when opportune.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$154,479.

Program Progress Summary: The total MW of qualifying facility capacity available at the end of 1997 was approximately 830 MW, excluding the Tiger Bay capacity that is now owned by FPC. As approved in Order No. PSC-97-0652-S-EQ, Order Approving Stipulation and Supplemental Stipulation, the Tiger Bay QF payments will continue to be recovered as if the contracts are still in place.

Program Description and Progress

Program Title: Innovation Incentive

Program Description: Significant conservation efforts that are not supported by other Florida Power programs can be encouraged through Innovation Incentive. Major equipment replacement or other actions that substantially reduce FPC peak demand requirements are evaluated to determine their impact on Florida Power's system. If cost effective, these actions may qualify for an economic incentive in order to shorten the "payback" time of the project.

Program Projections for April, 1998 through March, 1999: It is estimated that 5 customers will participate in the program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$108,946.

Program Progress Summary: Many of the measures previously completed as a result of this program were high efficiency equipment replacements that are now covered under the company's Better Business program. There were four Innovation Incentive program projects completed in the 1997 year.

Program Description and Progress

Program Title: Technology Development Program

Program Description: Florida Power Corporation will undertake certain development and demonstration projects which have promise to become cost-effective conservation and energy efficiency programs. Currently, the Low Income Program, Dual Source Heat Pump Project and the Full Condensing Heat Pump (With Water Heater) Project demonstrations are in process.

Program Projections for April, 1998 through March, 1999: It is estimated that 50 homes will be weatherized during the period. Data acquisitions will continue without expected changes for the Dual Source Heat Pump and the Full Condensing Heat Pump until two full years of valid data have been obtained.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$35,328.

Program Progress Summary: Feedback has been positive for the low income pilot, but participation has been slower than expected. End-use metering equipment has been installed at 11 sites, toward a goal of 40. The Dual Source Heat Pump has been installed and monitored since October 1996. The Full Condensing Heat Pump has been installed and monitored since May, 1996.

Program Description and Progress

Program Title: Interruptible Service Program

Program Description: The Interruptible program is a rate tariff which allows Florida Power to switch off electrical service to customers during times of capacity shortages. The signal to operate the automatic switch on the customer's service is activated by the Energy Control Center. In return for this, the customers receive a monthly rebate on their kW demand charge.

Program Projections for April, 1998 through March, 1999: No new participants are expected during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$10,004,079.

Program Progress Summary: To date the program has 132 participants. The original program filed as the IS-1 tariff is no longer cost-effective under the Commission approved test and was closed on April 16, 1996. Existing participants were grandfathered into the program. New participants would be placed on the new, cost-effective IS-2 tariff.

Program Description and Progress

Program Title: Curtailable Service Program

Program Description: Curtailable Service is a dispatchable DSM program in which customers contract to curtail or shut down a portion of their load during times of capacity shortages. The curtailment is done voluntarily by the customer when notified by FPC. In return for this cooperation, the customer receives a monthly rebate for the curtailable portion of their load.

Program Projections for April, 1998 through March, 1999: No new participants are expected during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$424,276.

Program Progress Summary: To date the program has 5 participants. The original program filed as the CS-1 tariff is no longer cost-effective under the Commission approved test and was closed on April 16, 1996. Existing participants were grandfathered into the program. New participants would be placed on the new, cost-effective CS-2 tariff.

Program Description and Progress

Program Title: Energy Management (Residential & Commercial)

Program Description: The Energy Management Program incorporates direct radio control of selected customer equipment to reduce system demand during peak capacity periods and/or emergency conditions by temporarily interrupting selected customer appliances for specified periods of time. Customers have a choice of options and receive a credit on their monthly electric bills depending on the options selected and their monthly kWh usage.

Program Projections for April, 1998 through March, 1999: During this period we anticipate installing 15,900 new participants to the program. The average winter kW savings is 1.94 per installation based on projected goal of 24.6 MW.

Program Fiscal Expenditures for October, 1997 through March, 1998: Program expenditures during this period are projected to be \$19,651,905.

Program Progress Summary: As of December 5, 1997 there are 532,281 customers participating in the Load Management program. These participants attribute a total of 951 MW of winter peak capacity demand under control.

Program Description and Progress

Program Title: Gas Demonstration

Program Description: The purpose of Gas Demonstration is to conduct Commission required natural gas research and demonstration projects in the functional areas of heating, cooling, dehumidification and water heating.

Program Projections for April, 1998 through March, 1999: Data collection for the Residential Gas Demonstration Project (Triathlon Gas Heat Pump) will continue until two years of valid data have been obtained, around October of 1998. The Commercial Gas Dehumidification Demonstration Project (Gas Regenerated Desiccant Wheel) began data collection in August of 1997, and data collection will proceed throughout this period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$6,966.

Program Progress Summary: The gas powered York Triathlon has been installed and remotely monitored since August 1996. FPC identified a commercial site for the gas dehumidification research project. The research will test a Gas Regenerated Desiccant Wheel. Monitoring equipment has been installed and data collection began in August of 1997.

Program Description and Progress

Program Title: Energy Monitor

Program Description: The program assists customers in managing their energy use by providing services to improve the operation and maintenance of their energy-related equipment and systems.

Program Projections for April, 1998 through March, 1999: It is estimated that there will be no participants ~~seven customers will participate in the program~~ during the projection period as FPC plans to discontinue this program.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$624.

Program Progress Summary: There were six Energy Monitor projects completed during the 1997.

Program Description and Progress

Program Title: Commercial/Industrial New Construction

Program Description: This umbrella efficiency program provides incentives for the design and construction of energy efficient commercial and industrial facilities. Incentives are provided for energy efficient heating, air conditioning, motors, water heating, and leak free ducts.

Program Projections for April, 1998 through March, 1999: It is estimated that eight customers will participate in the program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$107,234.

Program Progress Summary: There were seven C/I New Construction program completions in 1997.

Program Description and Progress

Program Title: Better Business

Program Description: This umbrella efficiency program provides incentives to existing commercial and industrial customers for energy efficient lighting, heating, air conditioning, motors, water heating, roof insulation upgrade, duct leakage and repair, and window film.

Program Projections for April, 1998 through March, 1999: It is estimated that 215 customers will participate during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$279,576.

Program Progress Summary: The Better Business program was first implemented in 1996. In previous years, measures eligible for incentives were implemented under separate programs which have now been phased out. There were approximately 210 Better Business program completions during 1997.

Program Description and Progress

Program Title: Residential New Construction

Program Description: This program is designed to encourage builders to construct more energy efficient homes by choosing from a menu of energy saving measures such as duct sealing, duct layout, attic insulation, high efficiency heat pump, heat recovery water heating or dedicated heat pump. This is also an educational program which strives to teach builders, Realtors, HVAC dealers, and homebuyers the importance of energy efficiency. Incentives are awarded to the builder based on the level of efficiency they choose.

Program Projections for April, 1998 through March, 1999: It is estimated that 5,500 homes representing 145 builders will participate in this program during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$519,707.

Program Progress Summary: Participation has increased each year since program inception. Recent enhancements to the program are expected to continue this upward trend.

Program Description and Progress

Program Title: Home Energy Improvement

Program Description: This umbrella efficiency program provides existing residential customers incentives for energy efficient heating, air conditioning, water heating, ceiling insulation upgrade and duct leakage repair.

Program Projections for April, 1998 through March, 1999: It is estimated that 9,500 completions will be performed during the projection period.

Program Fiscal Expenditures for October, 1997 through March, 1998: Expenses for this program are projected to be \$1,622,702.

Program Progress Summary: Ceiling insulation completions are stabilizing. Recent program enhancements including high efficiency space heating and multi-family duct repair should increase participation.