

ORIGINAL

BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION  
DOCKET NO. 000002-EG  
DETERMINATION OF CONSERVATION COSTS RECOVERY FACTOR

Direct Testimony of  
MICHAEL A. PEACOCK  
On Behalf of  
FLORIDA PUBLIC UTILITIES COMPANY

- 1 Q. Please state your name and business address.
- 2 A. Michael A. Peacock: my business address is P.O.  
3 Box 610 Marianna, Florida 32446.
- 4 Q. By whom are you employed and in what capacity?
- 5 A. I am employed by Florida Public Utilities  
6 Company as Manager of Customer Relations.
- 7 Q. What is the purpose of your testimony at this  
8 time?
- 9 A. To Advise the Commission as to the Conservation  
10 Cost Recover Clause Calculation for the period  
11 January, 2001 through December, 2001.
- 12 Q. What respectively are the total projected costs  
13 for the period January 2001 through December,  
14 2001 in the Marianna Division and the Fernandina  
15 Beach Division?
- 16 A. For the Marianna Division, the total projected  
17 Conservation Program Costs are \$169,200. For  
18 the Fernandina Beach Division, the total  
19 projected Conservation Program Costs are

1           \$177,163. For each Division, please see its  
2           respective Schedule C-2, page 2, for the  
3           programmatic and functional breakdown of these  
4           total costs.

5           Q. For each division, what is the true-up amount to  
6           be applied to determine the projected net total  
7           costs for the period January, 2000 through  
8           December, 2000.

9           A. As reflected in the respective "C" Schedules,  
10          the true-up amount for the Marianna Division is  
11          (\$8,378). In the Fernandina Beach Division the  
12          true-up is (\$21,918). These amounts are based  
13          upon eight months actual and four months  
14          estimated data.

15          Q. For each division, what are the resulting net  
16          total projected conservation costs to be  
17          recovered during this period?

18          A. For the Marianna Division the net total costs  
19          to be recovered are \$160,822. For the  
20          Fernandina Beach Division the net total costs  
21          to be recovered are \$155,245.

22          Q. For each division, what is the Conservation  
23          Adjustment Factor necessary to recover these  
24          projected net total costs?

25          A. For the Marianna Division, the Conservation  
26          Adjustment Factor is \$.00056 per KWH. For the

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13

Fernandina Beach Division, the factor is  
\$.00038 per KWH.

Q. Are there any exhibits that you wish to sponsor  
in this proceeding?

A. Yes. I wish to sponsor as exhibits for each  
division Schedules C-1, C-2, C-3, C-4, and C-5  
(Composite Prehearing Identification Number  
MAP-2), which have been filed with this  
testimony.

Q. Does this conclude your testimony?

A. Yes.

conservation disk/peactest.00)

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA

SCHEDULE C-1  
PAGE 1 OF 1

ENERGY CONSERVATION ADJUSTMENT  
SUMMARY OF COST RECOVERY CLAUSE CALCULATION

FOR MONTHS      January-01      THROUGH      December-01

1.	TOTAL INCREMENTAL COSTS (SCHEDULE C-2,PAGE 1, LINE 33)	<u>169,200</u>
2.	TRUE-UP (SCHEDULE C-3,PAGE 4,LINE 11)	<u>(8,378)</u>
3.	TOTAL (LINE 1 AND LINE 2)	<u>160,822</u>
4.	RETAIL KWH/THERM SALES	<u>287,787,000</u>
5.	COST PER KWH/THERM	<u>0.00055882</u>
6.	REVENUE TAX MULTIPLIER	<u>1.00072</u>
7.	ADJUSTMENT FACTOR ADJUSTED FOR TAXES (LINE 5 X LINE 6)	<u>0.00055900</u>
8.	CONSERVATION ADJUSTMENT FACTOR- (ROUNDED TO THE NEAREST .001 CENTS PER KWH/THERM)	<u>0.00056</u>

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 1 OF 40

ESTIMATED CONSERVATION PROGRAM COSTS

FOR MONTHS January-01 THROUGH December-01

A. ESTIMATED EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. In Concert with the Environment (program eliminated)													0
2. Direct Leakage Repair													0
3. Residential Geothermal Heat Pump													0
4. Residential Energy Audits													0
5. Low Income Customer Energy Audits													0
6. FPU Express													0
7. Enhanced Good Cents Home													0
8. Commercial/Industrial Good Cents Building													0
9. Commercial/Industrial Energy Audits & Tech. Assist.													0
10. Common	3,720	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	44,200
11. Residential Geothermal Heat Pump	1,020	980	980	980	980	980	980	980	980	980	980	980	11,800
12. GoodCents Home/Energy Star	2,370	2,430	2,430	2,430	2,430	2,430	2,430	2,430	2,430	2,430	2,430	2,430	29,100
13. GoodCents Energy Survey Program	2,310	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	27,500
14. GoodCents Loan Program	1,430	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	17,600
15. GoodCents Commercial Building	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	19,200
16. GoodCents Commercial Tech. Assistance	1,470	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	17,200
17. Low Income	90	110	110	110	110	110	110	110	110	110	110	110	1,300
18. Affordable Housing/Builders Program	90	110	110	110	110	110	110	110	110	110	110	110	1,300
19.													
31. TOTAL ALL PROGRAMS	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	169,200
32. LESS AMOUNT INCLUDED IN RATE BASE													
33. RECOVERABLE CONSERVATION EXPENSES	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	14,100	169,200

ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-01 THROUGH December-01

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. In Concert with the Environment (program eliminated)													0
2. Direct Leakage Repair													0
3. Residential Geothermal Heat Pump													0
4. Residential Energy Audits													0
5. Low Income Customer Energy Audits													0
6. FPU Express													0
7. Enhanced Good Cents Home													0
8. Commercial/Industrial Good Cents Building													0
9. Commercial/Industrial Energy Audits & Tech. Assist.													0
10. Common	34,000	0	5,000	0	3,100	0	1,100	1,000	0	0	44,200	0	44,200
11. Residential Geothermal Heat Pump	4,000	5,000	0	0	1,000	300	500	1,000	0	0	11,800	0	11,800
12. GoodCents Home/Energy Star	9,000	12,000	0	0	1,000	300	5,000	1,000	800	0	29,100	0	29,100
13. GoodCents Energy Survey Program	9,000	13,000	0	0	1,200	300	3,000	1,000	0	0	27,500	0	27,500
14. GoodCents Loan Program	6,000	9,000	0	0	1,200	300	100	1,000	0	0	17,600	0	17,600
15. GoodCents Commercial Building	4,000	8,000	0	3,000	1,000	200	2,000	1,000	0	0	19,200	0	19,200
16. GoodCents Commercial Tech. Assistance	5,000	8,000	0	1,000	1,000	200	1,000	1,000	0	0	17,200	0	17,200
17. Low Income	1,000	0	0	0	100	100	0	100	0	0	1,300	0	1,300
18. Affordable Housing/Builders Program	1,000	0	0	0	100	100	0	100	0	0	1,300	0	1,300
19.													
20.													
31. TOTAL ALL PROGRAMS	73,000	55,000	5,000	4,000	9,700	1,800	12,700	7,200	800	0	169,200	0	169,200
32. LESS: BASE RATE RECOVERY													
33. NET PROGRAM COSTS	73,000	55,000	5,000	4,000	9,700	1,800	12,700	7,200	800	0	169,200	0	169,200

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA

SCHEDULE C-2  
PAGE 3 OF 3

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

ESTIMATED FOR MONTHS January-01 THROUGH December-01

PROGRAM NAME:

	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. INVESTMENT														
2. DEPRECIATION BASE														
3. DEPRECIATION EXPENSE														
4. CUMULATIVE INVESTMENT														
5. LESS: ACCUMULATED DEPRECIATION														
6. NET INVESTMENT														
7. AVERAGE NET INVESTMENT														
8. RETURN ON AVERAGE INVESTMENT														
9. EXPANSION FACTOR														
10. RETURN REQUIREMENTS														
11. TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT														NONE

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 4 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 1 OF 5

ACTUAL FOR MONTHS January-00 THROUGH August-00  
 ESTIMATED FOR MONTHS September-00 THROUGH December-00

PROGRAM NAME	LABOR	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
	& PAYROLL							& ADMIN.					
1. In Concert with the Environment													
A. ACTUAL	0	0	0	0	0	0	0	0	0	0	0		0
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0		0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0		0
2. Direct Leakage Repair													
A. ACTUAL	1,310	259	0	0	0	0	0	0	0	0	1,569		1,569
B. ESTIMATED	1,667	1,333	0	0	333	33	0	534	0	0	3,900		3,900
C. TOTAL	2,977	1,592	0	0	333	33	0	534	0	0	5,469		5,469
3. Residential Geothermal Heat Pump													
A. ACTUAL	350	130	0	0	0	0	0	0	0	0	480		480
B. ESTIMATED	667	333	0	0	333	33	0	534	0	400	2,300		2,300
C. TOTAL	1,017	463	0	0	333	33	0	534	0	400	2,780		2,780
4. Residential Energy Audits													
A. ACTUAL	7,323	10,993	0	0	0	0	433	0	0	0	18,749		18,749
B. ESTIMATED	2,500	2,267	0	333	333	33	467	167	0	0	6,100		6,100
C. TOTAL	9,823	13,260	0	333	333	33	900	167	0	0	24,849		24,849
5. Low Income Customer Energy Audits													
A. ACTUAL	695	59	0	0	0	0	0	0	0	0	754		754
B. ESTIMATED	1,000	333	0	0	333	33	0	401	0	0	2,100		2,100
C. TOTAL	1,695	392	0	0	333	33	0	401	0	0	2,854		2,854
SUB-TOTAL ACTUAL	9,678	11,441	0	0	0	0	433	0	0	0	21,562		21,562
SUB-TOTAL ESTIMATED	5,834	4,266	0	333	1,332	132	467	1,636	0	400	14,400		14,400
LESS: INCLUDED IN RATE BASE													
ACTUAL													
ESTIMATED													
TOTAL													
NET PROGRAM COSTS	SEE PAGE 1A												

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 00002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 5 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 1A OF 5

ACTUAL FOR MONTHS		January-00	THROUGH	August-00										
ESTIMATED FOR MONTHS		September-00	THROUGH	December-00										
PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL	
6. FPU Express														
A. ACTUAL	1,896	3,202	0	0	0	0	25	18	132	0	5,273		5,273	
B. ESTIMATED	1,333	2,000	0	0	333	33	0	401	0	0	4,100		4,100	
C. TOTAL	3,229	5,202	0	0	333	33	25	419	132	0	9,373		9,373	
7. Enhanced Good Cents Home														
A. ACTUAL	7,118	7,063	0	0	0	363	1,654	294	0	0	16,492		16,492	
B. ESTIMATED	2,667	2,667	0	0	333	33	1,167	433	0	0	7,300		7,300	
C. TOTAL	9,785	9,730	0	0	333	396	2,821	727	0	0	23,792		23,792	
8. Commercial/Industrial Good Cents Building														
A. ACTUAL	892	0	0	0	0	360	162	294	0	0	1,708		1,708	
B. ESTIMATED	667	2,000	0	667	333	33	1,500	200	0	0	5,400		5,400	
C. TOTAL	1,559	2,000	0	667	333	393	1,662	494	0	0	7,108		7,108	
9. Commercial/Industrial Energy Audits & Tech. Assist.														
A. ACTUAL	1,350	0	0	0	0	0	176	27	0	0	1,553		1,553	
B. ESTIMATED	667	2,000	0	1,000	333	33	333	134	0	0	4,500		4,500	
C. TOTAL	2,017	2,000	0	1,000	333	33	509	161	0	0	6,053		6,053	
10. Common														
A. ACTUAL	17,373	0	5,585	842	6,755	1,976	1,941	6,325	0	852	41,649		41,649	
B. ESTIMATED	11,567	0	333	0	667	0	0	0	0	33	12,600		12,600	
C. TOTAL	28,940	0	5,918	842	7,422	1,976	1,941	6,325	0	885	54,249		54,249	
TOTAL ACTUAL	38,307	21,706	5,585	842	6,755	2,699	4,391	6,958	132	852	88,227	0	88,227	
TOTAL ESTIMATED	22,735	12,933	333	2,000	3,331	264	3,467	2,804	0	433	48,300	0	48,300	
LESS: INCLUDED IN RATE BASE														
ACTUAL														
ESTIMATED														
TOTAL														
NET PROGRAM COSTS	61,042	34,639	5,918	2,842	10,086	2,963	7,858	9,762	132	1,285	136,527	0	136,527	

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 6 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN

SCHEDULE C-3  
 PAGE 2 OF 5

ACTUAL FOR MONTHS ESTIMATED FOR MONTHS      January-00 THROUGH August-00  
 September-00 THROUGH December-00

	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. INVESTMENT														
2. DEPRECIATION BASE														
3. DEPRECIATION EXPENSE														
4. CUMULATIVE INVESTMENT														
5. LESS: ACCUMULATED DEPRECIATION														
6. NET INVESTMENT														
7. AVERAGE NET INVESTMENT														
8. RETURN ON AVERAGE INVESTMENT														
9. EXPANSION FACTOR														
10. RETURN REQUIREMENTS														
11. TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT														NONE

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 7 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 3 OF 5

ACTUAL FOR MONTHS                      January-00    THROUGH    August-00  
 ESTIMATED FOR MONTHS                September-00 THROUGH    December-00

A. ESTIMATED EXPENSE BY PROGRAM	ACTUAL								TOTAL	ESTIMATED				TOTAL	GRAND
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	ACTUAL	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ESTIMATED	TOTAL
1. In Concert with the Environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Direct Leakage Repair	168	245	275	133	77	58	165	448	1,569	900	900	900	1,200	3,900	5,469
3. Residential Geothermal Heat Pump	(17)	128	249	33	16	0	0	71	480	500	500	500	800	2,300	2,780
4. Residential Energy Audits	4,187	2,461	2,136	2,094	2,318	1,546	1,920	2,087	18,749	1,600	1,600	1,600	1,300	6,100	24,849
5. Low Income Customer Energy Audits	335	173	115	60	0	0	0	71	754	500	500	500	600	2,100	2,854
6. FPU Express	513	940	350	688	802	688	777	515	5,273	1,000	1,000	1,000	1,100	4,100	9,373
7. Enhanced Good Cents Home	1,330	1,573	1,414	1,910	2,719	2,128	2,826	2,592	16,492	1,800	1,800	1,800	1,900	7,300	23,792
8. Commercial/Industrial Good Cents Building	169	464	143	100	55	63	702	12	1,708	1,400	1,400	1,400	1,200	5,400	7,108
9. Commercial/Industrial Energy Audits & Tech. At	123	154	165	239	37	41	195	599	1,553	1,200	1,200	1,200	900	4,500	6,053
10. Common	4,927	4,744	6,236	4,115	6,799	4,780	5,101	4,947	41,649	3,300	3,300	3,300	2,700	12,600	54,249
11.															
12.															
13.															
14.															
15.															
16.															
17.															
18.															
19.															
31. TOTAL ALL PROGRAMS	11,735	10,882	11,083	9,372	12,823	9,304	11,686	11,342	88,227	12,200	12,200	12,200	11,700	48,300	136,527
32. LESS AMOUNT INCLUDED IN RATE BASE															
33. RECOVERABLE CONSERVATION EXPENSES	11,735	10,882	11,083	9,372	12,823	9,304	11,686	11,342	88,227	12,200	12,200	12,200	11,700	48,300	136,527

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 8 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 ENERGY CONSERVATION ADJUSTMENT  
 CALCULATION OF TRUE UP AND INTEREST PROVISION

	ACTUAL FOR MONTHS	January-00	THROUGH	August-00													
	ESTIMATED FOR MONTHS	September-00	THROUGH	December-00	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
B. CONSERVATION REVENUES																	
1. RCS AUDIT FEES																	
a.																	
b.																	
c.																	
2. CONSERVATION ADJ REVENUE (NET OF REVENUE TAXES)		9,899	10,213	8,105	8,308	9,033	12,068	12,633	12,571	11,915	9,634	8,114	9,223	121,716			
3. TOTAL REVENUES		9,899	10,213	8,105	8,308	9,033	12,068	12,633	12,571	11,915	9,634	8,114	9,223	121,716			
4. PRIOR PERIOD TRUE-UP-ADJ NOT APPLICABLE TO PERIOD		1,849	1,849	1,849	1,849	1,849	1,849	1,849	1,849	1,849	1,849	1,849	1,850	22,189			
5. CONSERVATION REVENUES APPLICABLE TO PERIOD		11,748	12,062	9,954	10,157	10,882	13,917	14,482	14,420	13,764	11,483	9,983	11,073	143,905			
6. CONSERVATION EXPENSES (FORM C-3, PAGE 3)		11,735	10,882	11,083	9,372	12,823	9,304	11,886	11,342	12,200	12,200	12,200	11,700	136,527			
7. TRUE-UP THIS PERIOD		13	1,180	(1,129)	785	(1,941)	4,613	2,796	3,078	1,564	(717)	(2,237)	(827)	7,378			
8. INTEREST PROVISION THIS PERIOD (C-3, PAGE 5)		101	97	91	84	75	75	85	91	94	86	69	52	1,000			
9. TRUE-UP & INTEREST PROVISION		22,189	20,454	19,882	16,995	18,015	12,300	15,139	16,171	17,491	17,300	14,820	10,803	22,189			
9A. DEFERRED TRUE-UP BEGINNING OF PERIOD																	
10. PRIOR TRUE-UP COLLECTED (REFUNDED)		(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,849)	(1,850)	(22,189)			
11. END OF PERIOD TOTAL NET TRUE- UP (SUM OF LINES 7,8,9,10)		20,454	19,882	16,995	16,015	12,300	15,139	16,171	17,491	17,300	14,820	10,803	8,378	8,378			

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
ENERGY CONSERVATION ADJUSTMENT  
CALCULATION OF TRUE UP AND INTEREST PROVISION

SCHEDULE C-3  
PAGE 5 OF 5

ACTUAL FOR MONTHS      January-00    THROUGH    August-00  
ESTIMATED FOR MONTHS    September-00    THROUGH    December-00

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
C. INTEREST PROVISION													
1. BEGINNING TRUE-UP (LINE B-9)	22,189	20,454	19,882	16,995	16,015	12,300	15,139	16,171	17,491	17,300	14,820	10,803	8,378
2. ENDING TRUE-UP BEFORE INTEREST (LINE B7+B9+B10)	20,353	19,785	16,904	15,931	12,225	15,064	16,086	17,400	17,206	14,734	10,734	8,326	7,378
3. TOTAL BEG. AND ENDING TRUE-UP	42,542	40,239	36,786	32,926	28,240	27,364	31,225	33,571	34,697	32,034	25,554	19,129	15,756
4. AVERAGE TRUE-UP (LINE C-3 X 50 %)	21,271	20,120	18,393	16,463	14,120	13,682	15,613	16,786	17,349	16,017	12,777	9,565	7,878
5. INTEREST RATE-FIRST DAY OF REPORTING BUSINESS MONTH	5.60%	5.80%	5.80%	6.07%	6.18%	6.57%	6.58%	6.50%	6.48%	6.48%	6.48%	6.48%	
6. INTEREST RATE-FIRST DAY OF SUBSEQUENT BUSINESS MONTH	5.80%	5.80%	6.07%	6.18%	6.57%	6.58%	6.50%	6.48%	6.48%	6.48%	6.48%	6.48%	
7. TOTAL (LINE C-5 + C-6)	11.40%	11.60%	11.87%	12.25%	12.75%	13.15%	13.08%	12.98%	12.96%	12.96%	12.96%	12.96%	
8. AVG INTEREST RATE (C-7 X 50%)	5.70%	5.80%	5.94%	6.13%	6.38%	6.58%	6.54%	6.49%	6.48%	6.48%	6.48%	6.48%	
9. MONTHLY AVERAGE INTEREST RATE	0.475%	0.483%	0.495%	0.510%	0.531%	0.548%	0.545%	0.541%	0.540%	0.540%	0.540%	0.540%	
10. INTEREST PROVISION (LINE C-4 X C-9)	101	97	91	84	75	75	85	91	94	86	69	52	1,000

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 10 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - MARIANNA  
 CALCULATION OF CONSERVATION REVENUES

SCHEDULE C-4  
 PAGE 1 OF 1

FOR THE PERIOD January-00 THROUGH December-01

MONTH	KWH/THERM SALES (000) (NET OF 3RD PARTY)	CONSERVATION ADJUSTMENT REVENUE (NET OF REVENUE TAXES)	RATE
2000 JANUARY	23,030	9,899	ACTUAL
FEBRUARY	23,761	10,213	ACTUAL
MARCH	18,854	8,105	ACTUAL
APRIL	19,329	8,308	ACTUAL
MAY	21,014	9,033	ACTUAL
JUNE	28,078	12,068	ACTUAL
JULY	29,392	12,633	ACTUAL
AUGUST	29,248	12,571	ACTUAL
SEPTEMBER	27,965	11,915	0.04300
OCTOBER	22,610	9,634	0.04300
NOVEMBER	19,044	8,114	0.04300
DECEMBER	21,647	9,223	0.04300
<b>SUB-TOTAL</b>	<b>283,972</b>	<b>121,716</b>	
2001 JANUARY	24,900	13,915	0.055882
FEBRUARY	22,594	12,626	0.055882
MARCH	20,857	11,655	0.055882
APRIL	18,779	10,494	0.055882
MAY	20,360	11,378	0.055882
JUNE	25,944	14,498	0.055882
JULY	28,423	15,883	0.055882
AUGUST	29,099	16,261	0.055882
SEPTEMBER	29,662	16,576	0.055882
OCTOBER	24,011	13,418	0.055882
NOVEMBER	20,224	11,302	0.055882
DECEMBER	22,934	12,816	0.055882
<b>SUB-TOTAL</b>	<b>287,787</b>	<b>160,822</b>	
<b>TOTALS</b>	<b>571,759</b>	<b>282,538</b>	

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 11 OF 40

1. Residential Geothermal Heat Pump
2. GoodCents Home/Energy Star Program
3. GoodCents Energy Survey Program
4. GoodCents Loan Program
5. GoodCents Commercial Building Program
6. GoodCents Commercial Technical Assistance Program
7. Educational/Low Income
8. Educational/Affordable Housing Builders and Providers Program

EXHIBIT NO. \_\_\_\_\_

DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 12 OF 40

**PROGRAM TITLE:** Residential Geothermal Heat Pump Program

**PROGRAM DESCRIPTION:** The objective of the Residential Geothermal Heat Pump Program is to reduce the demand and energy requirements of new and existing residential customers through the promotion and installation of advanced and emerging geothermal systems. Geothermal heat pumps provide significant benefits to participating customers in the form of reduced operating costs and increased comfort levels, and are superior to other available heating and cooling technologies with respect to source efficiency and environmental impacts. FPUC's Geothermal Heat Pump Program is designed to overcome existing market barriers, specifically, lack of consumer awareness, knowledge, and acceptance of this technology.

This program will promote efficiency levels well above current market conditions, specifically those units with an Energy Efficiency Ratio (EER) of 13.0 or higher. According to the Department of Energy (DOE) geothermal technology is the most energy-efficient and environmentally clean space-conditioning system available today. Additionally, a recent DOE study indicates that geothermal systems have the lowest life-cycle cost of any HVAC system today.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: At this time no participation goals have been set. FPUC will educate consumers on geothermal technology and raise awareness of the availability, affordability, and improved customer satisfaction associated with these units.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$11,800.

**PROGRAM SUMMARY:** Even though there is no particular goal for this program we feel confident that by our efforts to promote this technology we will see a number of geothermal installations. We will educate contractors by offering Geothermal Certification classes and develop a network of installers in order to better promote this highly efficient heating and cooling source.

**PROGRAM TITLE:** GoodCents Home/Energy Star Program

**PROGRAM DESCRIPTION:** The GoodCents Home Program has long been the standard for energy efficient construction in Northwest Florida and throughout other parts of the country where the GoodCents Program has been utilized by as many as 270 different utilities. For FPUC and our customers, GoodCents homes provides guidance concerning energy efficiency in new construction by promoting energy efficient home construction techniques by evaluating components in the categories of design and construction practices.

In an effort to further enhance the GoodCents Home Program and market it more efficiently and effectively, GoodCents signed a Memorandum of Understanding with the Department of Energy (DOE) and the Environmental Protection Agency (EPA). Since FPUC is a member of GoodCents this agreement provides the opportunity to offer the Energy Star Home Program to builders and customers and correlates the performance of GoodCents homes to the nationally recognized Energy Star efficiency label. In many cases, a standard GoodCents home will also qualify as an Energy Star Home. The GoodCents Home standards continue to exceed the minimum efficiency standards for new construction as set forth by the Florida Model Energy Code.

**PROGRAM PROJECTION:** For January 2001 through December 2001: The goal for the number of program participants for this period is 28.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$29,100.

**PROGRAM SUMMARY:** Through this program, participating customers will experience lower utility bills, increased comfort, and the eligibility to utilize energy efficient home mortgage products. We will educate and advertise these benefits to our customers and builders and continue to build a good working relationship with contractors.

**PROGRAM TITLE:** GoodCents Energy Survey Program

**PROGRAM DESCRIPTION:** The objective of the GoodCents Energy Survey Program is to provide FPUC's residential customers with energy conservation advice that encourages the implementation of efficiency measures resulting in energy savings for the customer. FPUC views this program as a vehicle to promote the installation of cost-effective conservation features. During the survey process, the customer is provided with specific whole-house recommendations. Also during the survey process duct leakage will be addressed. If a problem is identified recommendations will be made for further analysis and repairs. Through follow-up survey work, FPUC monitors and tracks the installation of the cost-effective conservation features and/or duct leakage repairs.

The conservation measures, once implemented, also lower FPUC's energy requirements, as well as improve operating efficiencies. As a result, the increase in operating efficiencies provides for a reduction in weather-sensitive peak demand, as well as a reduction in energy consumption.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: The goal for the number of program participants for this period is 150.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for this period are \$27,500.

**PROGRAM SUMMARY:** This program provides participating customers with the information needed to determine which energy saving measures are best suited to their individual needs and requirements. We feel confident that by advertising the benefits of this program through bill stuffers, promotional materials, newspaper, and cable TV we will see a high participation level in this program.

**PROGRAM TITLE:** GoodCents Loan Program

**PROGRAM DESCRIPTION:** The objective of the GoodCents Loan Program is to provide FPUC's residential customers a vehicle to encourage installation of energy conservation features in their homes. The GoodCents Loan Program provides financing for up to \$20,000 for a period of 12 years to customers that choose to install energy conservation features in their existing homes.

The program is designed to work in conjunction with FPUC's approved GoodCents Energy Survey Program. During the survey process, the customer is provided with specific whole-house recommendations. A FPUC representative will submit a completed loan application once the customer decides to install the conservation features. After the application has been approved, the customer will contact a contractor from the approved list of participating contractors, which is approved by FPUC. After the work is completed, an inspection is performed by FPUC to ensure all energy conservation features covered by the loan are installed. The increased operating efficiencies of the installed features provide a reduction in weather sensitive peak demand as well as a reduction in overall energy consumption.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: The goal for the number of program participants for this period is 15.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$17,600.

**PROGRAM SUMMARY:** This program was designed to promote the efficient use of energy while maintaining and/or increasing the level of comfort, quality of service, and customer options. These factors are of paramount importance in order for any demand side program to be successful. This program, when implemented in conjunction with the GoodCents Energy Survey Program, not only emphasizes the importance of energy efficiency, but also responds to the needs of FPUC's customers whose satisfaction is essential in the overall success of our conservation program. By advertising in all medias and promoting this program during the survey process this should be a successful program.

PROGRAM TITLE: GoodCents Commercial Building Program

PROGRAM DESCRIPTION: The commercial/industrial market is comprised of a wide range of diverse businesses with variable size and operational characteristics. The success of the Commercial/Industrial Good Cents Building program lies in its ability to address this diversity by focusing on the mutual characteristics of commercial buildings. The most common critical areas in commercial buildings that affect summer peak demand are the thermal efficiency of the building and HVAC equipment efficiency. The Commercial/Industrial GoodCents Building Program provides requirements for these areas that, if adhered to, will help reduce peak demand and energy consumption.

The promotion of the GoodCents Commercial Building Program through the years has featured a positive relationship with trade allies, the public, and local commercial/industrial customers. The program's design continues to be sufficiently flexible to allow an architect or designer to use initiative and ingenuity to achieve results that are meaningful to both the customer and FPUC.

To provide an accurate quantitative analysis of the kW and kWh savings due to the GoodCents Commercial Building Program, the GoodCents standards for average commercial buildings are compared to the Florida Model Energy Code. The features used to prepare the customer's analysis include: wall and ceiling R-values; glass area; description of glass; and equipment used in determining the kW and kWh differences for the two types of structures. The AXCESS - Energy Analysis Computer Program (AXCESS) is used to calculate the kW and kWh difference.

PROGRAM PROJECTIONS: For January 2001 through December 2001: The goal for the number of program participants for this period is 5.

PROGRAM FISCAL EXPENDITURES: For January 2001 through December 2001: Projected expenses for the period are \$19,200.

PROGRAM SUMMARY: The GoodCents Building Program is designed to ensure that buildings are constructed with energy efficiency levels above the Florida Model Energy Code standards. These standards include both HVAC efficiency and thermal envelope requirements. This program will be successful as FPUC continues its efforts in working with builders and architects.

**PROGRAM TITLE:** GoodCents Commercial Technical Assistance Audit Program

**PROGRAM DESCRIPTION:** The GoodCents Commercial Technical Assistance Audit Program is an interactive program that provides commercial customers assistance in identifying advanced energy conservation opportunities. It is customized to meet the individual needs of large customers as required; therefore, it is an evolving program.

The Technical Assistance Audit process consists of an on-site review by FPUC Conservation Specialist of the customer's facility operation, equipment and energy usage pattern. The specialist identifies areas of potential reduction in kW demand and kWh consumption as well as identifying end-use technology opportunities. A technical evaluation is then performed which often includes performing an AXCESS simulation in order to ascertain an economic payback or life cycle cost analysis for various improvements to the facility. When necessary FPUC will subcontract the evaluation process to an independent engineering firm and/or contracting consultant.

**PROGRAM PROJECTION:** For January 2001 through December 2001: The goal for the number of program participants for this period is 17.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for this period are \$17,200.

**PROGRAM SUMMARY:** In recent research of commercial/industrial customers, consistent response for areas of improvement from this class of customer include individualized attention and service in helping them improve their cost of operation and efficiency. We have built trusting relationships with many of these customers by educating them concerning new technologies and by offering expertise in energy conservation. The work we have done in this area will continue to benefit FPUC.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 18 OF 40

**FLORIDA PUBLIC UTILITIES COMPANY  
MARIANNA DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 8 OF 9**

PROGRAM TITLE: Low Income Program

PROGRAM DESCRIPTION: FPUC presently has energy education programs that identify low cost and or no cost conservation measures. In order to better assist low-income customers in managing their energy purchases, the presentation and format of these energy education programs are tailored to the audience. These programs provide basic energy education, as well as inform the customers of other specific services, such as free energy surveys, that FPUC currently offers.

PROGRAM PROJECTION: For January 2001 through December 2001: There are no goals set for this program.

PROGRAM FISCAL EXPENDITURES: For January 2001 through December 2001: Projected expenses for this period are \$1,300.

PROGRAM SUMMARY: This program will benefit Florida Public Utilities Company by providing opportunities to educate low-income customers on the benefits of an energy efficient home.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 19 OF 40

**PROGRAM TITLE:** Affordable Housing Builders and Providers Program

**PROGRAM DESCRIPTION:** FPUC will identify the affordable housing builders within the service area and will encourage them to attend education seminars and workshops related to energy efficient construction, retrofit programs, financing programs, etc., and to participate in the GoodCents Home Program. FPUC will work with the Florida Energy Extension Service and other seminar sponsors to offer a minimum of two seminars and/or workshops per year. FPUC will work with all sponsors to reduce or eliminate attendances fees for affordable housing providers.

**PROGRAM PROJECTION:** For January 2001 through December 2001: There is no goal for this program.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for this period are \$1,300.

**PROGRAM SUMMARY:** This program will provide FPUC the opportunity to educate contractors on the benefits of building a home to GoodCents standards as well as introduce new and innovative energy efficient building technology.

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA

SCHEDULE C-1  
PAGE 1 OF 1

ENERGY CONSERVATION ADJUSTMENT  
SUMMARY OF COST RECOVERY CLAUSE CALCULATION

FOR MONTHS      January-01      THROUGH      December-01

1.	TOTAL INCREMENTAL COSTS (SCHEDULE C-2,PAGE 1, LINE 33)	<u>177,163</u>
2.	TRUE-UP (SCHEDULE C-3,PAGE 4,LINE 11)	<u>(21,918)</u>
3.	TOTAL (LINE 1 AND LINE 2)	<u>155,245</u>
4.	RETAIL KWH/THERM SALES	<u>413,263,000</u>
5.	COST PER KWH/THERM	<u>0.00037566</u>
6.	REVENUE TAX MULTIPLIER	<u>1.01597</u>
7.	ADJUSTMENT FACTOR ADJUSTED FOR TAXES (LINE 5 X LINE 6)	<u>0.00038200</u>
8.	CONSERVATION ADJUSTMENT FACTOR- (ROUNDED TO THE NEAREST .001 CENTS PER KWH/THERM)	<u>0.00038</u>

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 21 OF 40

ESTIMATED CONSERVATION PROGRAM COSTS

FOR MONTHS January-01 THROUGH December-01

A. ESTIMATED EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. In Concert with the Environment (program eliminated)													0
2. Direct Leakage Repair													0
3. Residential Geothermal Heat Pump													0
4. Residential Energy Audits													0
5. Low Income Customer Energy Audits													0
6. FPU Express													0
7. Enhanced Good Cents Home													0
8. Commercial/Industrial Good Cents Building													0
9. Commercial/Industrial Energy Audits & Tech. Assit.	0	0	0	0	0	0	0	0	0	0	0	0	0
10. Common	2,596	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	31,306
11. Residential Geothermal Heat Pump	930	920	920	920	920	920	920	920	920	920	920	920	11,050
12. GoodCents Home/Energy Star	4,080	4,070	4,070	4,070	4,070	4,070	4,070	4,070	4,070	4,070	4,070	4,070	48,850
13. GoodCents Energy Survey Program	3,210	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	3,240	38,850
14. GoodCents Loan Program	1,468	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	18,188
15. GoodCents Commercial Building	784	770	770	770	770	770	770	770	770	770	770	770	9,254
16. GoodCents Commercial Tech. Assistance	1,290	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	15,150
17. Low Income	280	270	270	270	270	270	270	270	270	270	270	270	3,250
18. Affordable Housing/Builders Program	110	105	105	105	105	105	105	105	105	105	105	105	1,265
19.													
31. TOTAL ALL PROGRAMS	14,748	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	177,163
32. LESS AMOUNT INCLUDED IN RATE BASE													
33. RECOVERABLE CONSERVATION EXPENSES	14,748	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	14,765	177,163

ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-01 THROUGH December-01

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. In Concert with the Environment (program eliminated)													0
2. Direct Leakage Repair													0
3. Residential Geothermal Heat Pump													0
4. Residential Energy Audits													0
5. Low Income Customer Energy Audits													0
6. FPU Express													0
7. Enhanced Good Cents Home													0
8. Commercial/Industrial Good Cents Building													0
9. Commercial/Industrial Energy Audits & Tech. Assit.													0
10. Common	26,306	0	5,000	0	0	0	0	0	0	0	31,306	0	31,306
11. Residential Geothermal Heat Pump	4,000	3,000	0	1,000	1,300	0	1,000	650	0	100	11,050	0	11,050
12. GoodCents Home/Energy Star	13,000	20,000	0	500	2,000	0	8,500	2,000	0	2,850	48,850	0	48,850
13. GoodCents Energy Survey Program	16,000	15,000	0	0	3,500	300	1,000	2,700	0	350	38,850	0	38,850
14. GoodCents Loan Program	3,860	12,000	0	0	1,128	0	500	600	0	100	18,188	0	18,188
15. GoodCents Commercial Building	2,000	500	0	3,500	1,054	0	650	200	0	1,350	9,254	0	9,254
16. GoodCents Commercial Tech. Assistance	4,000	500	0	7,050	1,200	750	1,000	300	0	350	15,150	0	15,150
17. Low Income	500	2,000	0	0	300	0	400	50	0	0	3,250	0	3,250
18. Affordable Housing/Builders Program	500	425	0	0	140	0	200	0	0	0	1,265	0	1,265
19.													
20.													
31. TOTAL ALL PROGRAMS	70,166	53,425	5,000	12,050	10,622	1,050	13,250	6,500	0	5,100	177,163	0	177,163
32. LESS: BASE RATE RECOVERY													
33. NET PROGRAM COSTS	70,166	53,425	5,000	12,050	10,622	1,050	13,250	6,500	0	5,100	177,163	0	177,163

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 23 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA

SCHEDULE C-2  
PAGE 3 OF 3

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

ESTIMATED FOR MONTHS January-01 THROUGH December-01

PROGRAM NAME:

	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. INVESTMENT														
2. DEPRECIATION BASE														
3. DEPRECIATION EXPENSE														
4. CUMULATIVE INVESTMENT														
5. LESS: ACCUMULATED DEPRECIATION														
6. NET INVESTMENT														
7. AVERAGE NET INVESTMENT														
8. RETURN ON AVERAGE INVESTMENT														
9. EXPANSION FACTOR														
10. RETURN REQUIREMENTS														
11. TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT														NONE

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 24 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 1 OF 5

ACTUAL FOR MONTHS      January-00    THROUGH    August-00  
 ESTIMATED FOR MONTHS    September-00    THROUGH    December-00

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. In Concert with the Environment													
A. ACTUAL	181	0	0	0	0	0	0	0	0	0	181		181
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0		0
C. TOTAL	181	0	0	0	0	0	0	0	0	0	181		181
2. Direct Leakage Repair													
A. ACTUAL	2,454	62	0	0	0	0	0	0	0	0	2,516		2,516
B. ESTIMATED	1,833	967	0	0	367	133	233	(33)	0	0	3,500		3,500
C. TOTAL	4,287	1,029	0	0	367	133	233	(33)	0	0	6,016		6,016
3. Residential Geothermal Heat Pump													
A. ACTUAL	1,987	0	0	208	0	0	0	0	0	0	2,195		2,195
B. ESTIMATED	833	333	0	0	400	0	0	101	433	0	2,100		2,100
C. TOTAL	2,820	333	0	208	400	0	0	101	433	0	4,295		4,295
4. Residential Energy Audits													
A. ACTUAL	5,948	6,960	0	0	0	152	308	6	0	0	13,374		13,374
B. ESTIMATED	2,833	1,967	0	500	400	167	333	500	0	0	6,700		6,700
C. TOTAL	8,781	8,927	0	500	400	319	641	506	0	0	20,074		20,074
5. Low Income Customer Energy Audits													
A. ACTUAL	561	0	0	0	0	0	0	0	0	0	561		561
B. ESTIMATED	833	333	0	0	400	133	0	301	0	0	2,000		2,000
C. TOTAL	1,394	333	0	0	400	133	0	301	0	0	2,561		2,561
SUB-TOTAL ACTUAL	11,131	7,022	0	208	0	152	308	6	0	0	18,827		18,827
SUB-TOTAL ESTIMATED	6,332	3,600	0	500	1,567	433	566	869	433	0	14,300		14,300
LESS: INCLUDED IN RATE BASE													
ACTUAL													
ESTIMATED													
TOTAL													

NET PROGRAM COSTS

SEE PAGE 1A

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 25 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 1A OF 5

ACTUAL FOR MONTHS		January-00	THROUGH	August-00									
ESTIMATED FOR MONTHS		September-00	THROUGH	December-00									
PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
6. FPU Express													
A. ACTUAL	1,541	1,696	0	0	0	153	0	2,004	0	0	5,394		5,394
B. ESTIMATED	1,833	1,633	0	0	400	133	0	101	0	0	4,100		4,100
C. TOTAL	3,374	3,329	0	0	400	286	0	2,105	0	0	9,494		9,494
7. Enhanced Good Cents Home													
A. ACTUAL	6,588	5,522	0	123	0	153	145	2,008	0	60	14,599		14,599
B. ESTIMATED	2,833	2,333	0	0	400	133	1,133	268	0	0	7,100		7,100
C. TOTAL	9,421	7,855	0	123	400	286	1,278	2,276	0	60	21,699		21,699
8. Commercial/Industrial Good Cents Building													
A. ACTUAL	3,373	0	0	420	22	153	109	716	0	0	4,793		4,793
B. ESTIMATED	1,833	1,967	0	1,667	367	133	1,167	(34)	0	0	7,100		7,100
C. TOTAL	5,206	1,967	0	2,087	389	286	1,276	682	0	0	11,893		11,893
9. Commercial/Industrial Energy Audits & Tech. Assit.													
A. ACTUAL	3,793	0	0	1,888	22	0	272	442	0	0	6,417		6,417
B. ESTIMATED	1,833	1,633	0	1,667	367	133	333	(66)	0	0	5,900		5,900
C. TOTAL	5,626	1,633	0	3,555	389	133	605	376	0	0	12,317		12,317
10. Common													
A. ACTUAL	17,376	100	5,585	828	6,360	406	2,370	6,746	0	260	40,031		40,031
B. ESTIMATED	8,333	0	333	0	667	0	0	0	0	767	10,100		10,100
C. TOTAL	25,709	100	5,918	828	7,027	406	2,370	6,746	0	1,027	50,131		50,131
TOTAL ACTUAL	43,802	14,340	5,585	3,467	6,404	1,017	3,204	11,922	0	320	90,061	0	90,061
TOTAL ESTIMATED	22,997	11,166	333	3,834	3,768	965	3,199	1,138	433	767	48,600	0	48,600
LESS: INCLUDED IN RATE BASE													
ACTUAL													
ESTIMATED													
TOTAL													
NET PROGRAM COSTS	66,799	25,506	5,918	7,301	10,172	1,982	6,403	13,060	433	1,087	138,661	0	138,661

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 26 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN

SCHEDULE C-3  
 PAGE 2 OF 5

ACTUAL FOR MONTHS      January-00    THROUGH    August-00  
 ESTIMATED FOR MONTHS    September-00    THROUGH    December-00

	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. INVESTMENT														
2. DEPRECIATION BASE														
3. DEPRECIATION EXPENSE														
4. CUMULATIVE INVESTMENT														
5. LESS: ACCUMULATED DEPRECIATION														
6. NET INVESTMENT														
7. AVERAGE NET INVESTMENT														
8. RETURN ON AVERAGE INVESTMENT														
9. EXPANSION FACTOR														
10. RETURN REQUIREMENTS														
11. TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT														NONE

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 27 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3  
 PAGE 3 OF 5

ACTUAL FOR MONTHS January-00 THROUGH August-00  
 ESTIMATED FOR MONTHS September-00 THROUGH December-00

A. ESTIMATED EXPENSE BY PROGRAM	ACTUAL								TOTAL ACTUAL	ESTIMATED				TOTAL ESTIMATED	GRAND TOTAL
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1. In Concert with the Environment	167	14	0	0	0	0	0	0	181	0	0	0	0	0	181
2. Direct Leakage Repair	464	93	102	246	280	289	442	600	2,516	1,000	1,000	1,000	500	3,500	6,016
3. Residential Geothermal Heat Pump	483	378	146	181	259	124	304	322	2,195	800	800	800	300	2,100	4,295
4. Residential Energy Audits	1,275	1,612	2,780	809	1,999	1,833	900	2,026	13,374	1,800	1,800	1,800	1,800	6,700	20,074
5. Low Income Customer Energy Audits	480	63	0	0	0	18	0	0	561	500	500	500	500	2,000	2,561
6. FPU Express	613	(76)	892	181	137	3,757	656	(566)	5,394	1,100	1,100	1,100	800	4,100	9,494
7. Enhanced Good Cents Home	962	1,802	1,508	869	1,808	3,231	2,208	2,211	14,599	1,900	1,900	1,900	1,400	7,100	21,699
8. Commercial/Industrial Good Cents Building	829	999	804	372	428	548	354	659	4,793	1,800	1,900	1,900	1,400	7,100	11,893
9. Commercial/Industrial Energy Audits & Tech. As	837	2,353	1,071	485	519	514	343	495	6,417	1,800	1,800	1,800	1,100	5,900	12,317
10. Common	6,277	6,053	6,121	3,847	5,538	3,096	4,229	4,870	40,031	2,400	2,400	2,400	2,900	10,100	50,131
11.															
12.															
13.															
14.															
15.															
16.															
17.															
18.															
19.															
31. TOTAL ALL PROGRAMS	11,987	13,289	13,204	6,990	10,968	13,510	9,496	10,617	90,061	12,800	12,800	12,800	10,800	48,800	138,661
32. LESS AMOUNT INCLUDED IN RATE BASE															
33. RECOVERABLE CONSERVATION EXPENSES	11,987	13,289	13,204	6,990	10,968	13,510	9,496	10,617	90,061	12,800	12,800	12,800	10,800	48,800	138,661

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 28 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
ENERGY CONSERVATION ADJUSTMENT  
CALCULATION OF TRUE UP AND INTEREST PROVISION

SCHEDULE C-3  
PAGE 4 OF 6

	ACTUAL FOR MONTHS	January-00	THROUGH	August-00													
	ESTIMATED FOR MONTHS	September-00	THROUGH	December-00	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
B. CONSERVATION REVENUES																	
1. RCS AUDIT FEES																	
a.																	
b.																	
c.																	
2. CONSERVATION ADJ REVENUE (NET OF REVENUE TAXES)		9,033	9,928	9,253	8,268	10,566	10,780	11,573	11,386	10,067	8,722	7,442	8,123	115,141			
3. TOTAL REVENUES		9,033	9,928	9,253	8,268	10,566	10,780	11,573	11,386	10,067	8,722	7,442	8,123	115,141			
4. PRIOR PERIOD TRUE-UP-ADJ NOT APPLICABLE TO PERIOD		3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,611	3,611	43,337			
5. CONSERVATION REVENUES APPLICABLE TO PERIOD		12,644	13,539	12,964	11,879	14,177	14,391	15,184	14,997	13,878	12,333	11,053	11,739	158,478			
6. CONSERVATION EXPENSES (FORM C-3, PAGE 3)		11,987	13,289	13,204	8,990	10,968	13,510	9,496	10,817	12,600	12,600	12,600	10,800	138,661			
7. TRUE-UP THIS PERIOD		657	250	(340)	4,889	3,209	881	5,688	4,380	1,078	(267)	(1,547)	939	19,817			
8. INTEREST PROVISION THIS PERIOD (C-3, PAGE 5)		199	188	175	175	185	184	182	189	185	169	145	125	2,101			
9. TRUE-UP & INTEREST PROVISION		43,337	40,582	37,409	33,633	35,086	34,869	32,323	34,582	35,540	33,192	29,483	24,470	43,337			
9A. DEFERRED TRUE-UP BEGINNING OF PERIOD																	
10. PRIOR TRUE-UP COLLECTED (REFUNDED)		(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(3,611)	(43,337)			
11. END OF PERIOD TOTAL NET TRUE- UP (SUM OF LINES 7,8,9,10)		40,582	37,409	33,633	35,086	34,869	32,323	34,582	35,540	33,192	29,483	24,470	21,918	21,918			

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES COMPANY  
(MAP-2)  
PAGE 29 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 ENERGY CONSERVATION ADJUSTMENT  
 CALCULATION OF TRUE UP AND INTEREST PROVISION

SCHEDULE C-3  
 PAGE 6 OF 6

ACTUAL FOR MONTHS January-00 THROUGH August-00  
 ESTIMATED FOR MONTHS September-00 THROUGH December-00

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
C. INTEREST PROVISION													
1. BEGINNING TRUE-UP (LINE B-9)	43,337	40,582	37,409	33,633	35,086	34,869	32,323	34,582	35,540	33,192	29,483	24,470	21,918
2. ENDING TRUE-UP BEFORE INTEREST (LINE B7+B9+B10)	40,383	37,221	33,458	34,911	34,684	32,139	34,400	35,351	33,007	29,314	24,325	21,793	19,817
3. TOTAL BEG. AND ENDING TRUE-UP	83,720	77,803	70,867	68,544	69,770	67,008	66,723	69,933	68,547	62,506	53,808	46,263	41,735
4. AVERAGE TRUE-UP (LINE C-3 X 50 %)	41,860	38,902	35,434	34,272	34,885	33,504	33,362	34,967	34,274	31,253	26,904	23,132	20,868
5. INTEREST RATE-FIRST DAY OF REPORTING BUSINESS MONTH	5.60%	5.80%	5.90%	6.07%	6.18%	6.57%	6.58%	6.50%	6.48%	6.48%	6.48%	6.48%	6.48%
6. INTEREST RATE-FIRST DAY OF SUBSEQUENT BUSINESS MONTH	5.80%	5.80%	6.07%	6.18%	6.57%	6.58%	6.50%	6.48%	6.48%	6.48%	6.48%	6.48%	6.48%
7. TOTAL (LINE C-5 + C-6)	11.40%	11.60%	11.87%	12.25%	12.75%	13.15%	13.08%	12.98%	12.96%	12.96%	12.96%	12.96%	12.96%
8. AVG INTEREST RATE (C-7 X 50%)	5.70%	5.80%	5.94%	6.13%	6.38%	6.58%	6.54%	6.49%	6.48%	6.48%	6.48%	6.48%	6.48%
9. MONTHLY AVERAGE INTEREST RATE	0.475%	0.483%	0.495%	0.510%	0.531%	0.548%	0.545%	0.541%	0.540%	0.540%	0.540%	0.540%	0.540%
10. INTEREST PROVISION (LINE C-4 X C-9)	199	188	175	175	185	184	182	189	185	169	145	125	2,101

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 30 OF 40

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - FERNANDINA  
 CALCULATION OF CONSERVATION REVENUES

SCHEDULE C-4  
 PAGE 1 OF 1

FOR THE PERIOD January-00 THROUGH December-01

MONTH	KWH/THERM SALES (000) (NET OF 3RD PARTY)	CONSERVATION ADJUSTMENT REVENUE (NET OF REVENUE TAXES)	RATE
2000 JANUARY	33,986	9,033	ACTUAL
FEBRUARY	37,359	9,928	ACTUAL
MARCH	34,817	9,253	ACTUAL
APRIL	31,111	8,268	ACTUAL
MAY	39,758	10,566	ACTUAL
JUNE	40,566	10,780	ACTUAL
JULY	43,549	11,573	ACTUAL
AUGUST	42,846	11,386	ACTUAL
SEPTEMBER	37,287	10,067	0.02700
OCTOBER	32,306	8,722	0.02700
NOVEMBER	27,563	7,442	0.02700
DECEMBER	30,085	8,123	0.02700
SUB-TOTAL	431,233	115,141	
2001 JANUARY	35,402	13,298	0.037566
FEBRUARY	33,258	12,494	0.037566
MARCH	30,890	11,604	0.037566
APRIL	28,746	10,799	0.037566
MAY	30,781	11,563	0.037566
JUNE	36,262	13,622	0.037566
JULY	40,817	15,258	0.037566
AUGUST	41,072	15,429	0.037566
SEPTEMBER	40,022	15,035	0.037566
OCTOBER	34,813	13,003	0.037566
NOVEMBER	29,435	11,057	0.037566
DECEMBER	32,165	12,083	0.037566
SUB-TOTAL	413,263	155,245	
TOTALS	844,496	270,386	

EXHIBIT NO. \_\_\_\_\_  
 DOCKET NO. 000002-EG  
 FLORIDA PUBLIC UTILITIES COMPANY  
 (MAP-2)  
 PAGE 31 OF 40

**FLORIDA PUBLIC UTILITIES COMPANY  
FERNANDINA BEACH DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 1 OF 9**

1. Residential Geothermal Heat Pump
2. GoodCents Home/Energy Star Program
3. GoodCents Energy Survey Program
4. GoodCents Loan Program
5. GoodCents Commercial Building Program
6. GoodCents Commercial Technical Assistance Program
7. Educational/Low Income
8. Educational/Affordable Housing Builders and Providers Program

EXHIBIT NO. \_\_\_\_\_

DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 32 OF 40

**PROGRAM TITLE:** Residential Geothermal Heat Pump Program

**PROGRAM DESCRIPTION:** The objective of the Residential Geothermal Heat Pump Program is to reduce the demand and energy requirements of new and existing residential customers through the promotion and installation of advanced and emerging geothermal systems. Geothermal heat pumps provide significant benefits to participating customers in the form of reduced operating costs and increased comfort levels, and are superior to other available heating and cooling technologies with respect to source efficiency and environmental impacts. FPUC's Geothermal Heat Pump Program is designed to overcome existing market barriers, specifically, lack of consumer awareness, knowledge, and acceptance of this technology.

This program will promote efficiency levels well above current market conditions, specifically those units with an Energy Efficiency Ratio (EER) of 13.0 or higher. According to the Department of Energy (DOE) geothermal technology is the most energy-efficient and environmentally clean space-conditioning system available today. Additionally, a recent DOE study indicates that geothermal systems have the lowest life-cycle cost of any HVAC system today.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: At this time no participation goals have been set. FPUC will educate consumers on geothermal technology and raise awareness of the availability, affordability, and improved customer satisfaction associated with these units.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$11,050.

**PROGRAM SUMMARY:** Even though there is no particular goal for this program we feel confident that by our efforts to promote this technology we will see a number of geothermal installations. We will educate contractors by offering Geothermal Certification classes and develop a network of installers in order to better promote this highly efficient heating and cooling source.

**PROGRAM TITLE:** GoodCents Home/Energy Star Program

**PROGRAM DESCRIPTION:** The GoodCents Home Program has long been the standard for energy efficient construction in Northwest Florida and throughout other parts of the country where the GoodCents Program has been utilized by as many as 270 different utilities. For FPUC and our customers, GoodCents homes provides guidance concerning energy efficiency in new construction by promoting energy efficient home construction techniques by evaluating components in the categories of design and construction practices.

In an effort to further enhance the GoodCents Home Program and market it more efficiently and effectively, GoodCents signed a Memorandum of Understanding with the Department of Energy (DOE) and the Environmental Protection Agency (EPA). Since FPUC is a member of GoodCents this agreement provides the opportunity to offer the Energy Star Home Program to builders and customers and correlates the performance of GoodCents homes to the nationally recognized Energy Star efficiency label. In many cases, a standard GoodCents home will also qualify as an Energy Star Home. The GoodCents Home standards continue to exceed the minimum efficiency standards for new construction as set forth by the Florida Model Energy Code.

**PROGRAM PROJECTION:** For January 2001 through December 2001: The goal for the number of program participants for this period is 29.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$48,850.

**PROGRAM SUMMARY:** Through this program, participating customers will experience lower utility bills, increased comfort, and the eligibility to utilize energy efficient home mortgage products. We will educate and advertise these benefits to our customers and builders and continue to build a good working relationship with contractors.

**FLORIDA PUBLIC UTILITIES COMPANY  
FERNANDINA BEACH DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 4 OF 9**

**PROGRAM TITLE:** GoodCents Energy Survey Program

**PROGRAM DESCRIPTION:** The objective of the GoodCents Energy Survey Program is to provide FPUC's residential customers with energy conservation advice that encourages the implementation of efficiency measures resulting in energy savings for the customer. FPUC views this program as a vehicle to promote the installation of cost-effective conservation features. During the survey process, the customer is provided with specific whole-house recommendations. Also during the survey process duct leakage will be addressed. If a problem is identified recommendations will be made for further analysis and repairs. Through follow-up survey work, FPUC monitors and tracks the installation of the cost-effective conservation features and/or duct leakage repairs.

The conservation measures, once implemented, also lower FPUC's energy requirements, as well as improve operating efficiencies. As a result, the increase in operating efficiencies provides for a reduction in weather-sensitive peak demand, as well as a reduction in energy consumption.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: The goal for the number of program participants for this period is 150.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for this period are \$38,850.

**PROGRAM SUMMARY:** This program provides participating customers with the information needed to determine which energy saving measures are best suited to their individual needs and requirements. We feel confident that by advertising the benefits of this program through bill stuffers, promotional materials, newspaper, and cable TV we will see a high participation level in this program.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 35 OF 40

**FLORIDA PUBLIC UTILITIES COMPANY  
FERNANDINA BEACH DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 5 OF 9**

**PROGRAM TITLE:** GoodCents Loan Program

**PROGRAM DESCRIPTION:** The objective of the GoodCents Loan Program is to provide FPUC's residential customers a vehicle to encourage installation of energy conservation features in their homes. The GoodCents Loan Program provides financing for up to \$20,000 for a period of 12 years to customers that choose to install energy conservation features in their existing homes.

The program is designed to work in conjunction with FPUC's approved GoodCents Energy Survey Program. During the survey process, the customer is provided with specific whole-house recommendations. A FPUC representative will submit a completed loan application once the customer decides to install the conservation features. After the application has been approved, the customer will contact a contractor from the approved list of participating contractors, which is approved by FPUC. After the work is completed, an inspection is performed by FPUC to ensure all energy conservation features covered by the loan are installed. The increased operating efficiencies of the installed features provide a reduction in weather sensitive peak demand as well as a reduction in overall energy consumption.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: The goal for the number of program participants for this period is 15.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$18,188.

**PROGRAM SUMMARY:** This program was designed to promote the efficient use of energy while maintaining and/or increasing the level of comfort, quality of service, and customer options. These factors are of paramount importance in order for any demand side program to be successful. This program, when implemented in conjunction with the GoodCents Energy Survey Program, not only emphasizes the importance of energy efficiency, but also responds to the needs of FPUC's customers whose satisfaction is essential in the overall success of our conservation program. By advertising in all medias and promoting this program during the survey process this should be a successful program.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 36 OF 40

**PROGRAM TITLE:** GoodCents Commercial Building Program

**PROGRAM DESCRIPTION:** The commercial/industrial market is comprised of a wide range of diverse businesses with variable size and operational characteristics. The success of the Commercial/Industrial Good Cents Building program lies in its ability to address this diversity by focusing on the mutual characteristics of commercial buildings. The most common critical areas in commercial buildings that affect summer peak demand are the thermal efficiency of the building and HVAC equipment efficiency. The Commercial/Industrial GoodCents Building Program provides requirements for these areas that, if adhered to, will help reduce peak demand and energy consumption.

The promotion of the GoodCents Commercial Building Program through the years has featured a positive relationship with trade allies, the public, and local commercial/industrial customers. The program's design continues to be sufficiently flexible to allow an architect or designer to use initiative and ingenuity to achieve results that are meaningful to both the customer and FPUC.

To provide an accurate quantitative analysis of the kW and kWh savings due to the GoodCents Commercial Building Program, the GoodCents standards for average commercial buildings are compared to the Florida Model Energy Code. The features used to prepare the customer's analysis include: wall and ceiling R-values; glass area; description of glass; and equipment used in determining the kW and kWh differences for the two types of structures. The AXCESS - Energy Analysis Computer Program (AXCESS) is used to calculate the kW and kWh difference.

**PROGRAM PROJECTIONS:** For January 2001 through December 2001: The goal for the number of program participants for this period is 5.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for the period are \$9,254.

**PROGRAM SUMMARY:** The GoodCents Building Program is designed to ensure that buildings are constructed with energy efficiency levels above the Florida Model Energy Code standards. These standards include both HVAC efficiency and thermal envelope requirements. This program will be successful as FPUC continues its efforts in working with builders and architects.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 37 OF 40

**PROGRAM TITLE:** GoodCents Commercial Technical Assistance Audit Program

**PROGRAM DESCRIPTION:** The GoodCents Commercial Technical Assistance Audit Program is an interactive program that provides commercial customers assistance in identifying advanced energy conservation opportunities. It is customized to meet the individual needs of large customers as required; therefore, it is an evolving program.

The Technical Assistance Audit process consists of an on-site review by FPUC Conservation Specialist of the customer's facility operation, equipment and energy usage pattern. The specialist identifies areas of potential reduction in kW demand and kWh consumption as well as identifying end-use technology opportunities. A technical evaluation is then performed which often includes performing an AXCESS simulation in order to ascertain an economic payback or life cycle cost analysis for various improvements to the facility. When necessary FPUC will subcontract the evaluation process to an independent engineering firm and/or contracting consultant.

**PROGRAM PROJECTION:** For January 2001 through December 2001: The goal for the number of program participants for this period is 17.

**PROGRAM FISCAL EXPENDITURES:** For January 2001 through December 2001: Projected expenses for this period are \$15,150.

**PROGRAM SUMMARY:** In recent research of commercial/industrial customers, consistent response for areas of improvement from this class of customer include individualized attention and service in helping them improve their cost of operation and efficiency. We have built trusting relationships with many of these customers by educating them concerning new technologies and by offering expertise in energy conservation. The work we have done in this area will continue to benefit FPUC.

**FLORIDA PUBLIC UTILITIES COMPANY  
FERNANDINA BEACH DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 8 OF 9**

PROGRAM TITLE: Low Income Program

PROGRAM DESCRIPTION: FPUC presently has energy education programs that identify low cost and or no cost conservation measures. In order to better assist low-income customers in managing their energy purchases, the presentation and format of these energy education programs are tailored to the audience. These programs provide basic energy education, as well as inform the customers of other specific services, such as free energy surveys, that FPUC currently offers.

PROGRAM PROJECTION: For January 2001 through December 2001: There are no goals set for this program.

PROGRAM FISCAL EXPENDITURES: For January 2001 through December 2001: Projected expenses for this period are \$3,250.

PROGRAM SUMMARY: This program will benefit Florida Public Utilities Company by providing opportunities to educate low-income customers on the benefits of an energy efficient home.

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 000002-EG  
FLORIDA PUBLIC UTILITIES CO.  
(MAP-2)  
PAGE 39 OF 40

PROGRAM TITLE: Affordable Housing Builders and Providers Program

PROGRAM DESCRIPTION: FPUC will identify the affordable housing builders within the service area and will encourage them to attend education seminars and workshops related to energy efficient construction, retrofit programs, financing programs, etc., and to participate in the GoodCents Home Program. FPUC will work with the Florida Energy Extension Service and other seminar sponsors to offer a minimum of two seminars and/or workshops per year. FPUC will work with all sponsors to reduce or eliminate attendances fees for affordable housing providers.

PROGRAM PROJECTION: For January 2001 through December 2001: There is no goal for this program.

PROGRAM FISCAL EXPENDITURES: For January 2001 through December 2001: Projected expenses for this period are \$1,265.

PROGRAM SUMMARY: This program will provide FPUC the opportunity to educate contractors on the benefits of building a home to GoodCents standards as well as introduce new and innovative energy efficient building technology.