

One Energy Place
Pensacola, Florida 32520

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MALDEN MA



May 14, 2001

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee FL 32399-0870

Dear Ms. Bayo:

RE: Docket No. 010002-EG

Enclosed for official filing in the above docket are an original and ten (10) copies of Michael J. McCarthy's testimony.

Sincerely,

Susan D. Ritenour
Assistant Secretary and Assistant Treasurer

lw

Enclosures

cc: Beggs and Lane
J. A. Stone, Esq.

- APP _____
- CAF _____
- CMP _____
- COI Stag-
- CTR _____
- ECR _____
- LEG I
- OPC _____
- PAI _____
- RGO _____
- SEC I
- SER _____
- OTH _____

DOCUMENT NUMBER-DATE

06037 MAY 15 01

FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Conservation Cost Recovery)
_____)

Docket No. 010002-EG

Certificate of Service

I HEREBY CERTIFY that a true copy of the foregoing was furnished by hand delivery or the U. S. Mail this 14th day of May 2001 to the following:

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Attorneys for Gulf Power Company

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

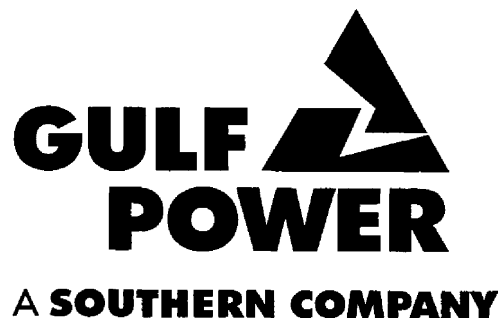
**ENERGY CONSERVATION COST
RECOVERY CLAUSE**

DOCKET NO. 010002-EG

**PREPARED DIRECT TESTIMONY AND
EXHIBIT OF
MICHAEL J. MCCARTHY**

**Final True-up
JANUARY - DECEMBER 2000**

May 15, 2001



DOCUMENT NUMBER - DATE
06037 MAY 15 2001
FPSC-RECORDS/REPORTING

1 Gulf Power Company

2 Before the Florida Public Service Commission
3 Prepared Direct Testimony of
4 Michael J. McCarthy
5 Docket No. 010002-EG
6 May 15, 2001

7 Q. Will you please state your name, business address,
8 employer and position?

9 A. My name is Michael J. McCarthy and my business address
10 is One Energy Place, Pensacola, Florida 32520. I am
11 employed by Gulf Power Company as the Economic
12 Evaluation and Market Reporting Team Leader.

13 Q. Mr. McCarthy, for what purpose are you appearing before
14 this Commission today?

15 A. I am testifying before this Commission on behalf of Gulf
16 Power Company regarding matters related to the Energy
17 Conservation Cost Recovery Clause, specifically the
18 approved programs and related expenses for
19 January, 2000, through December, 2000.

20
21 Q. Are you familiar with the documents concerning the
22 Energy Conservation Cost Recovery Clause and its related
23 true-up and interest provisions?

24 A. Yes, I am.

25

1 Q. Have you verified, that to the best of your knowledge
2 and belief, this information is correct?

3 A. Yes, I have.

4 Counsel: We ask that Mr. McCarthy's exhibit consisting
5 of 6 Schedules, CT-1 through CT-6, be marked
6 for identification as:

7 Exhibit No. _____(MJM-1)
8

9 Q. Would you summarize for this Commission the deviations
10 resulting from the actual expenditures for this recovery
11 period and the original estimates of expenses?

12 A. The estimated true-up net expenses for the entire
13 recovery period January, 2000, through December, 2000,
14 were \$3,765,949, while the actual costs were \$3,839,133
15 resulting in a variance of \$73,184 or 1.9% over the
16 estimated true-up.

17

18 Q. Mr. McCarthy, would you explain the January, 2000,
19 through December, 2000, variance?

20 A. Yes, the reasons for this variance are an increase in
21 expenses in GoodCents Select, over \$559,448; GoodCents
22 Buildings, over \$23,005; and Duct Leakage, over \$271.
23 These program expenses are off-set by Residential Energy
24 Audits, under \$38,920; Gulf Express Loan Program, under
25 \$3,592; Geothermal Heat Pump program, under \$212,946;

1 Commercial/Industrial Energy Audits, under \$82,066;
2 Commercial Mail-in Audits, under \$39,151; Solar for
3 Schools, under \$1,855; Conservation Demonstration and
4 Development research, under \$56,353; Residential Mail-
5 in Audit, under \$59,534; EarthCents Solar, under
6 \$5,053; and Green Pricing, under \$10,072; resulting in
7 a net variance of \$34,648 over the estimated/actual
8 program expenses reported in September, 2000. A more
9 detailed description of the deviations is contained in
10 Schedule CT-6.

11
12 Q. Mr. McCarthy, what was Gulf's adjusted net true-up for
13 the period January, 2000 through December, 2000?

14 A. There was an under-recovery of \$867,223 as shown on
15 Schedule CT-1, page 1.

16
17 Q. Would you describe the results of your programs during
18 the January, 2000 through December, 2000, recovery
19 period?

20 A. A more detailed review of each of the programs is
21 included in my Schedule CT-6. The following is a
22 synopsis of the accomplishments during this recovery
23 period.

- 1 (A) Residential Energy Audits - During this period, we
2 projected to audit 1,500 structures. We actually
3 completed 1,606.
- 4 (B) Residential Mail-In Audits - During this period,
5 1,500 audits were projected and 137 audits were
6 completed.
- 7 (C) Gulf Express Loan Program - No loans were completed
8 during this period. The program stopped accepting
9 new loans in June, 1997.
- 10 (D) In Concert With The Environment - Beginning in 2000,
11 this program was no longer promoted as a stand alone
12 program. It remained available to students upon
13 request for the period, however, no students attended
14 the program.
- 15 (E) Duct Leakage Program - This program was available to
16 any customer desiring it, but the company no longer
17 promotes it as a stand alone program. No units were
18 projected nor completed during the recovery period.
- 19 (F) Geothermal Heat Pump - During this recovery period, a
20 total of 293 geothermal heat pumps were installed
21 compared to a projection of 500.
- 22 (G) GoodCents Select (Advanced Energy Management) - During
23 this recovery period, 946 units were installed.
24
- 25 When the original projection was submitted for this

1 period, Gulf expected 6,000 customers to participate
2 in this program by the end of the projection period.
3 However, the program has been delayed due to several
4 factors and the anticipated participation rates were
5 revised. The projection for the year 2000 was revised
6 in September, 2000, to be 2,000 units. The details of
7 this revision were submitted in Michael J. McCarthy's
8 testimony, Docket No. 000002-EG, September 27, 2000.

9
10 Details of the issues related to the delay of the
11 program are found in M. D. Neyman testimony, Docket
12 No. 980002-EG, January 13, 1998.

13 (H) Commercial/Industrial GoodCents Buildings - During
14 this recovery period a total of 181 buildings were
15 built or improved to Good Cents standards, compared to
16 a projection of 215.

17 (I) Commercial/Industrial Energy Audits and Technical
18 Assistance Audits - During this recovery period, a
19 total of 141 EA/TAA were completed compared to a
20 projection of 125.

21 (J) Commercial/Industrial Mail-in Audit - 950 mail-in
22 audits were projected compared to 1,018 mail-in audits
23 being completed.

24 (K) Solar for Schools - This program uses "green
25 pricing" to fund solar technologies in public

1 schools. It also incorporates a school-based
2 energy education component as well as enhanced
3 outdoor lighting for schools. The projects
4 relating to this program are detailed in Schedule
5 CT-6.

6 (L) Conservation Demonstration and Development - Sixteen
7 research or demonstration projects have been
8 identified and are detailed in Schedule CT-6.
9
10

11 Q. Mr. McCarthy, does this conclude your testimony?


12 A. Yes, it does.
13
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AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

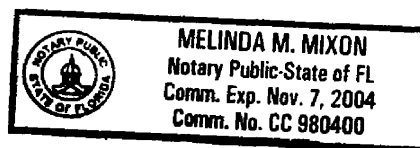
Docket No. 010002-EG

Before me the undersigned authority, personally appeared Michael J. McCarthy, who being first duly sworn, deposes and says that he is the Economic Evaluation and Marketing Reporting Team Leader of Gulf Power Company, a Maine Corporation, that the foregoing is true and correct to the best of his knowledge, information and belief. He is personally known to me.



Michael J. McCarthy
Economic Evaluation and Marketing
Reporting Team Leader

Sworn to and subscribed before me this 11th day of May, 2001.





Notary Public, State of Florida at Large

INDEX

Schedule Number	Title	Pages
CT-1	Adjusted net True-Up, January, 2000, through December, 2000	1
CT-2	Analysis of Energy Conservation Program Costs	2
CT-3	Energy Conservation Adjustment	3 - 7
CT-4	Schedule of Capital Investments, Depreciation and Return	8 - 10
CT-5	Reconciliation and Explanation of Differences Between Filing and Audit	11
CT-6	Program Descriptions and Progress Reports	12 - 27

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY
ADJUSTED NET TRUE-UP

For the Period: January, 2000 Through December, 2000

	<u>\$</u>	<u>\$</u>
Actual		
1. Principal	(825,442)	
2. Interest	<u>(41,781)</u>	
3. Actual Under Recovery Ending Balance		(867,223)
Estimated/Actual September 27, 2000		
4. Principal	(901,821)	
5. Interest	<u>(44,233)</u>	
6. Total Estimated/Actual Under Recovery		<u>(946,054)</u>
7. Adjusted Net True-up, Amount to be Refunded		<u><u>78,831</u></u>

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY
ANALYSIS OF ENERGY CONSERVATION PROGRAM COSTS
ACTUAL Vs ESTIMATED
For the Period: January, 2000 Through December, 2000

	<u>Actual</u>	<u>Est/Actual</u>	<u>Difference</u>
	\$	\$	\$
1. Depreciation & Return	254,026.77	267,113.26	(13,086.49)
2. Payroll & Benefits	1,361,472.50	1,539,320.00	(177,847.50)
3. Materials & Supplies	1,820,147.84	1,414,727.12	405,420.72
4. Outside Services	-	-	0.00
5. Advertising	436,356.94	583,325.00	(146,968.06)
6. Incentives	-	-	0.00
7. Adjustments	-	-	0.00
8. Other	-	-	0.00
9. SUBTOTAL	3,872,004.05	3,804,485.38	67,518.67
10. Program Revenues	32,870.88	38,536.45	(5,665.57)
11. TOTAL PROGRAM COSTS	3,839,133.17	3,765,948.55	73,184.24
12. Less: Payroll Adjustment	-	0	0.00
13. Amounts Inc. in Base Rate	-	0	0.00
14. Conservation Adjustment Revenues	3,699,528.53	3,549,965.29	149,563.24
15. Rounding Adjustment	3,699,528	3,549,965	149,563
16. True-up Before Adjustment	(139,605)	(215,984)	76,379
17. Interest Provision	(41,781)	(44,233)	2,452
18. Prior Period True-up	(685,837)	(685,837)	0
19. Other	-	-	0
20. End of Period True-up	(867,223)	(946,054)	78,831

GULF POWER COMPANY

CONSERVATION COSTS Per PROGRAM
 VARIANCE ACTUAL Vs ESTIMATED/ACTUAL
 For the Period: January, 2000 Through December, 2000

Program	Depre/Amort & Return	Payroll & Benefits	Materials & Expenses	Advertising	Incentives	Outside Services	Other	Sub-Total	Program Revenues	Total
1. Residential Energy Audit	0.00	(44,646.22)	4,345.70	1,380.26	0.00	0.00	0.00	(38,920.26)	0.00	(38,920.26)
2. Gulf Express	0.00	(1,548.62)	(2,043.06)	0.00	0.00	0.00	0.00	(3,591.68)	0.00	(3,591.68)
3. In Concert with the Environment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Good Cents Environmental	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Duct Leakage	0.00	0.00	271.24	0.00	0.00	0.00	0.00	271.24	0.00	271.24
6. Geothermal Heat Pump	0.00	(74,025.81)	(57,330.18)	(81,589.77)	0.00	0.00	0.00	(212,945.76)	0.00	(212,945.76)
7. Good Cents Select	(13,119.59)	18,263.16	539,086.20	9,552.56	0.00	0.00	0.00	553,782.33	(5,665.57)	559,447.90
8. Comm/Ind Good Cents Building	0.00	33,724.98	10,591.40	(21,311.11)	0.00	0.00	0.00	23,005.27	0.00	23,005.27
9. Comm/Ind E.A. & T.A.A.	0.00	(90,850.98)	13,785.46	(5,000.00)	0.00	0.00	0.00	(82,065.52)	0.00	(82,065.52)
10. Commercial Mail In Audit	0.00	(4,120.90)	(35,030.11)	0.00	0.00	0.00	0.00	(39,151.01)	0.00	(39,151.01)
11. Solar for Schools	0.00	(1,397.27)	(457.83)	0.00	0.00	0.00	0.00	(1,855.10)	0.00	(1,855.10)
12. Research & Development	33.10	0.00	(56,386.19)	0.00	0.00	0.00	0.00	(56,353.09)	0.00	(56,353.09)
13. Residential Mail In Audit	0.00	(13,245.84)	3,712.58	(50,000.00)	0.00	0.00	0.00	(59,533.26)	0.00	(59,533.26)
14. Earth Cents	0.00	0.00	(5,052.72)	0.00	0.00	0.00	0.00	(5,052.72)	0.00	(5,052.72)
15. Green Pricing	0.00	0.00	(10,071.77)	0.00	0.00	0.00	0.00	(10,071.77)	0.00	(10,071.77)
16. Total	(13,086.49)	(177,847.50)	405,420.72	(146,968.06)	0.00	0.00	0.00	67,518.67	(5,665.57)	73,184.24

3

GULF POWER COMPANY

CONSERVATION COSTS Per PROGRAM
ACTUAL EXPENSES
For the Period January, 2000 Through December, 2000

Program	Depre/Amort & Return	Payroll & Benefits	Materials & Expenses	Advertising	Incentives	Outside Services	Other	Sub-Total	Program Revenues	Total
1 Residential Energy Audit	0 00	218,610 78	36,560 70	119,580 26	0 00	0 00	0 00	374,751 74	0 00	374,751 74
2 Gulf Express	0 00	2,186 38	1,956 94	0 00	0 00	0 00	0 00	4,143 32	0 00	4,143 32
3 In Concert with the Environment	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4 Good Cents Environmental	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5 Duct Leakage	0 00	0 00	271 24	0 00	0 00	0 00	0 00	271 24	0 00	271 24
6 Geothermal Heat Pump	0 00	68,883 19	26,910 82	29,410 23	0 00	0 00	0 00	125,204 24	0 00	125,204 24
7 Good Cents Select	251,288 45	259,068 16	1,535,168 20	284,552 56	0 00	0 00	0 00	2,330,077 37	32,870 88	2,297,206 49
8 CommWind Good Cents Building	0 00	300,422 90	38,929 40	2,813 89	0 00	0 00	0 00	342,166 27	0 00	342,166 27
9 CommWind E A & T A A	0 00	451,105 02	63,083 46	0 00	0 00	0 00	0 00	514,188 48	0 00	514,188 48
10 Commercial/Industrial Maint In Aud	0 00	23,950 10	7,969 89	0 00	0 00	0 00	0 00	31,919 99	0 00	31,919 99
11 Solar for Schools	0 00	3,025 73	42 17	0 00	0 00	0 00	0 00	3,067 90	0 00	3,067 90
12 Research & Development										
End Use Profiling								0 00		0 00
Geothermal Heat pump								0 00		0 00
FCG								0 00		0 00
Descalcant Dehum H P								0 00		0 00
Energy Education	2,621 85	0 00	22,355 39	0 00	0 00	0 00	0 00	24,977 24		24,977 24
Commercial Technology	116 47	0 00	7,089 90	0 00	0 00	0 00	0 00	7,206 37		7,206 37
PJC								0 00		0 00
Closed Loop (Dentist)								0 00		0 00
Sleep Inn								0 00		0 00
Van Norman								0 00		0 00
Shores								0 00		0 00
Switley								0 00		0 00
Stinky Loop	0 00	0 00	330 00	0 00	0 00	0 00	0 00	330 00		330 00
GCCC								0 00		0 00
H2O Pur								0 00		0 00
Joe Ridge								0 00		0 00
Jim Day								0 00		0 00
Burger King								0 00		0 00
Dr Taylor (Dentist)								0 00		0 00
Bay Co Schools								0 00		0 00
Low Income Multi-Family								0 00		0 00
MIOX								0 00		0 00
Groovin Hwy 29	0 00	0 00	1,101 40	0 00	0 00	0 00	0 00	1,101 40		1,101 40
Pine Forest	0 00	0 00	10,000 00	0 00	0 00	0 00	0 00	10,000 00		10,000 00
Days Inn								0 00		0 00
Hampton	0 00	0 00	20,961 12	0 00	0 00	0 00	0 00	20,961 12		20,961 12
Boardwalk								0 00		0 00
Total	2,738 32	0 00	61,837 81	0 00	0 00	0 00	0 00	64,576 13		64,576 13
13 Residential Maint In Audit	0 00	34,220 16	11,712 58	0 00	0 00	0 00	0 00	45,932 74	0 00	45,932 74
14 Earth Cents	0 00	0 00	10,776 40	0 00	0 00	0 00	0 00	10,776 40		10,776 40
15 Green Pricing	0 00	0 00	24,928 23	0 00	0 00	0 00	0 00	24,928 23	0 00	24,928 23
16 Total	254,026 77	1,361,472 50	1,820,147 84	436,356 94	0 00	0 00	0 00	3,872,004 05	32,870 88	3,839,133 17

Florida Public Service Commission
Docket No. 000002-EG
GULF POWER COMPANY
Witness: Michael J. McCarthy
Exhibit No. _____ (MM-1)
Schedule C¹-3
Page 2 of 5

GULF POWER COMPANY

CONSERVATION COSTS Per PROGRAM
SUMMARY OF ACTUAL EXPENSES BY PROGRAM BY MONTH
For the Period January, 2000 Through December, 2000

PROGRAMS	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 Residential Energy Audits	18,643.79	26,676.16	27,241.12	27,102.18	84,830.12	62,719.89	22,876.30	29,215.03	18,372.96	20,827.41	11,826.40	24,420.36	374,751.74
2 Gulf Express	301.85	287.98	322.07	304.98	314.05	302.52	2,269.53	105.89	(65.55)	0.00	0.00	0.00	4,143.32
3 In Concert with the Environment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Good Cents Environmental	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Duct Leakage	0.00	0.00	0.00	0.00	218.63	0.00	40.04	12.57	0.00	0.00	0.00	0.00	271.24
6 Geothermal Heat Pump	6,850.20	8,706.85	10,733.22	10,994.96	7,873.44	12,465.69	29,635.07	6,018.18	3,018.59	17,462.48	3,101.19	8,344.37	125,204.24
7 Good Cents Select Amortization & Return on Investment	37,631.88 16,020.76	201,010.90 15,541.07	120,681.15 15,912.08	60,489.49 15,326.42	169,037.56 16,689.02	156,383.70 18,312.48	132,493.18 18,618.87	281,555.29 22,000.44	185,298.38 26,026.60	50,834.59 26,643.79	204,136.63 28,647.90	479,236.17 31,549.02	2,078,788.92 251,288.45
8 Comm/Ind Good Cents Bldg	24,008.44	27,622.45	27,807.56	30,612.50	30,886.33	28,524.68	26,455.18	28,227.97	27,557.35	30,104.06	14,579.70	45,780.05	342,166.27
9 Comm/Ind E A & T A A.	42,222.09	45,965.08	48,876.91	45,854.77	39,867.90	39,207.34	41,851.71	42,563.06	41,119.49	41,828.82	23,725.63	61,106.68	514,188.48
10 Commercial Mail In Audit	2,225.21	2,546.87	2,907.43	2,675.62	2,182.06	2,323.87	2,352.51	3,432.91	3,031.81	3,167.84	1,458.69	3,615.17	31,919.99
11 Solar for Schools	182.64	196.99	222.26	201.42	232.02	205.96	232.58	228.41	219.96	1,015.17	(175.99)	306.48	3,067.90
12 Research & Development													0.00
End Use Profiling													0.00
Geothermal Heat Pump													0.00
FCG													0.00
Desiccant Dehum H P													0.00
Energy Education	1,121.12	6,340.95	3,784.09	1,409.65	3,748.27	7,135.72	1,089.63	316.12	31.69	0.00	0.00	0.00	24,977.24
Commercial Technology	274.25	1,946.26	1,095.01	294.19	1,127.22	2,196.97	257.02	14.04	1.41	0.00	0.00	0.00	7,206.37
PJC													0.00
Closed Loop (Dentist)													0.00
Sleep Inn													0.00
Van Norman													0.00
Shores													0.00
Swifley													0.00
Slinky Loop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00	0.00	330.00
GCCC													0.00
H2O Pur													0.00
Joe Ridge													0.00
Jim Day													0.00
Burger King													0.00
Dr Taylor (Dentist)													0.00
Bay Co Schools													0.00
Low Income Multi-Family													0.00
MIOX													0.00
Groovin Hwy 29	0.00	0.00	166.27	68.47	404.50	73.79	64.43	73.75	75.85	64.43	91.68	18.23	1,101.40
Pine Forest	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00
Days Inn													0.00
Hampton	157.03	75.55	20,072.71	416.45	47.38	80.52	71.10	40.38	0.00	0.00	0.00	0.00	20,961.12
Boardwalk													0.00
	1,552.40	18,362.76	25,118.08	2,188.76	5,327.37	9,487.00	1,482.18	774.29	108.95	64.43	91.68	18.23	64,576.13
13 Residential Mail In Audit	3,836.08	6,775.91	4,522.15	3,434.61	3,322.73	4,146.01	4,029.76	4,307.36	2,370.53	4,723.20	1,267.31	3,197.09	45,932.74
14 Earth Cents	0.00	0.00	0.00	0.00	1,186.87	2,583.26	1,144.99	914.00	2,844.63	592.86	759.79	750.00	10,776.40
15 Green Pricing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.85	8,456.38	31,347.00	(15,000.00)	24,928.23
16 Recoverable Conservation Expenses	153,475.34	353,693.02	284,344.03	199,185.71	361,968.10	336,662.40	283,481.90	419,355.40	310,028.57	205,721.03	320,765.93	643,322.62	3,872,004.05

GULF POWER COMPANY
ENERGY CONSERVATION ADJUSTMENT
For the Period: January, 2000 through December, 2000

Conservation Revenues	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. a Residential Conservation Audit Fees	520.00	593.09	735.10	898.21	1,680.75	2,504.43	3,318.62	3,828.78	4,856.49	4,644.10	4,552.48	4,738.83	32,870.88
b (Other Fees)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Conservation Adjustment Revenues	266,083.65	243,396.25	242,271.37	237,702.67	325,754.96	348,979.72	395,616.30	385,791.48	323,524.13	286,339.65	269,376.98	374,691.38	3,699,528.53
3. Total Revenues	266,603.65	243,989.34	243,006.47	238,600.88	327,435.70	351,484.15	398,934.92	389,620.26	328,380.62	290,983.75	273,929.46	379,430.21	3,732,399.41
4. Adjustment not Applicable to Period - Prior True Up	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.83)	(75,304.87)	(903,658.00)
5. Conservation Revenues Applicable to Period	191,298.82	168,684.51	167,701.64	163,296.05	252,130.87	276,179.32	323,630.09	314,315.43	253,075.79	215,678.92	198,624.63	304,125.34	2,828,741.41
6. Conservation Expenses (Form CT-3 Page 8)	153,475.31	353,693.04	284,344.02	199,185.70	361,968.10	336,662.40	283,481.90	419,355.42	310,028.57	205,721.03	320,765.94	643,322.62	3,872,004.05
7. True Up this Period (Line 5 minus Line 6)	37,823.51	(185,008.53)	(116,642.38)	(35,889.65)	(109,837.23)	(60,483.08)	40,148.19	(105,039.99)	(56,952.78)	9,957.89	(122,141.31)	(339,197.28)	(1,043,262.64)
8. Interest Provision this Period (Page 10, Line 10)	(2,989.04)	(3,043.24)	(3,507.16)	(3,643.67)	(3,797.29)	(3,991.23)	(3,636.74)	(3,396.80)	(3,445.96)	(3,186.86)	(3,135.91)	(4,006.75)	(41,780.65)
9. True Up & Interest Provision Beginning of Month	(685,837.40)	(575,698.10)	(688,445.04)	(733,289.75)	(697,518.24)	(735,847.93)	(725,017.41)	(613,201.13)	(646,333.09)	(631,427.00)	(549,351.14)	(599,323.53)	(685,837.40)
10. Prior True Up Collected or Refunded	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.83	75,304.87	903,658.00
11. End of Period- Net True Up	(575,698.10)	(688,445.04)	(733,289.75)	(697,518.24)	(735,847.93)	(725,017.41)	(613,201.13)	(646,333.09)	(631,427.00)	(549,351.14)	(599,323.53)	(867,222.69)	(867,222.69)

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GULF POWER COMPANY
 COMPUTATION OF INTEREST EXPENSE
 ENERGY CONSERVATION ADJUSTMENT
 For the Period January, 2000 through December, 2000

Interest Provision	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. Beginning True up Amount	(685,837.40)	(575,698.10)	(688,445.04)	(733,289.75)	(697,518.24)	(735,847.93)	(725,017.41)	(613,201.13)	(646,333.09)	(631,427.00)	(549,351.14)	(599,323.53)	
2. Ending True up before interest	(572,709.06)	(685,401.80)	(729,782.59)	(693,874.57)	(732,050.64)	(721,026.18)	(609,564.39)	(642,936.29)	(627,981.04)	(546,164.28)	(596,187.62)	(863,215.94)	
3. Total beginning & ending	(1,258,546.46)	(1,261,099.90)	(1,418,227.63)	(1,427,164.32)	(1,429,568.88)	(1,456,874.11)	(1,334,581.80)	(1,256,137.42)	(1,274,314.13)	(1,177,591.28)	(1,145,538.76)	(1,462,539.47)	
4. Average True up Amount	(629,273.23)	(630,549.95)	(709,113.82)	(713,582.16)	(714,784.44)	(728,437.06)	(667,290.90)	(628,068.71)	(637,157.07)	(588,795.64)	(572,769.38)	(731,269.74)	
5. Interest Rate First Day Reporting Business Month	5.6000	5.8000	5.8000	6.0700	6.1800	6.5700	6.5800	6.5000	6.4800	6.5000	6.4900	6.6500	
6. Interest Rate First Day Subsequent Business Month	5.8000	5.8000	6.0700	6.1800	6.5700	6.5800	6.5000	6.4800	6.5000	6.4900	6.6500	6.5000	
7. Total of Lines 5 and 6	11.4000	11.6000	11.8700	12.2500	12.7500	13.1500	13.0800	12.9800	12.9800	12.9900	13.1400	13.1500	
8. Average Interest rate (50% of Line 7)	5.7000	5.8000	5.9350	6.1250	6.3750	6.5750	6.5400	6.4900	6.4900	6.4950	6.5700	6.5750	
9. Monthly Average Interest Rate Line 8 \ 12	0.004750	0.004833	0.004946	0.005104	0.005313	0.005479	0.005450	0.005408	0.005408	0.005413	0.005475	0.005479	
10. Interest Provision (line 4 X 9)	(2,989.04)	(3,043.24)	(3,507.16)	(3,643.67)	(3,797.29)	(3,991.23)	(3,636.74)	(3,396.80)	(3,445.96)	(3,186.86)	(3,135.91)	(4,006.75)	(41,780.65)

GULF POWER COMPANY
 SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN
 Good Cents Select
 For the Period January, 2000 Through December, 2000

Line No.	Description	Beginning of Period	Month												Total	
			January	February	March	April	May	June	July	August	September	October	November	Dec		
1.	Investments (Net of Retirements)	1,104,007 00	119,525 97	(119,525 97)	(29,351 41)	(36,585 12)	66,811 56	49,943 75	(1,045 09)	902 52	956 55	(24,501 00)	480,499 26		572 60	
2.	Amortization Base		1,223,532 97	1,104,007 00	1,074,655 59	1,038,070 47	1,104,882 03	1,154,825 78	1,153,780 69	1,154,683 21	1,155,639 76	1,131,138 76	1,611,638 02			1,612,210 62
3.	Depreciation Expense (A)		2,935 50	2,909 42	2,909 42	2,723 33	2,640 91	2,678 69	2,824 63	2,885 76	2,885 75	2,887 90	2,858 47	91 86		3,428 47
4.	Cumulative Investment	1,104,007 00	1,223,532 97	1,104,007 00	1,074,655 59	1,038,070 47	1,104,882 03	1,154,825 78	1,153,780 69	1,154,683 21	1,155,639 76	1,131,138 76	1,611,638 02			34,660 13
5.	Less Accumulated Depreciation		1,555 49	4,490 99	7,400 42	10,309 84	13,033 17	15,674 08	18,352 77	21,177 40	24,063 16	26,948 91	29,836 81	32,695 29	32,787 15	1,612,210 62
6.	Net Investment	1,102,451 51	1,219,041 98	1,096,606 58	1,064,345 75	1,025,037 30	1,089,207 95	1,136,473 01	1,132,603 29	1,130,620 05	1,128,690 85	1,101,301 95	1,578,942 73		1,575,995 00	
7.	Net Additions/Reductions to CWIP	297,161 71	(58,112 22)	206,694 60	(57,817 22)	37,362 79	270,576 94	(16,817 40)	10,374 28	760,205 73	170,967 10		18,090 76		22,934 16	
8.	CWIP Balance	297,161 71	239,049 49	445,744 09	387,926 87	425,289 66	695,866 60	679,049 20	689,423 48	1,449,629 21	1,620,596 31	1,620,596 31	1,638,687 07		1,661,621 23	
9.	Average Net Investment	1,399,613 22	1,428,852 34	1,500,221 07	1,497,311 65	1,451,299 79	1,617,700 76	1,800,298 38	1,818,774 49	2,201,138 01	2,664,768 21	2,735,592 71	2,969,764 03		3,227,623 02	
10.	Rate of Return / 12 (Including Income Taxes) (B)		0 008684	0 008684	0 008684	0 008684	0 008684	0 008684	0 008684	0 008684	0 008684	0 008684	0 008684		0 008684	
11.	Return Requirement on Average Net Investment		12,408 15	13,027 92	13,002 65	12,603 09	14,048 11	15,633 79	15,794 24	19,114 88	23,140 85	23,755 89	25,789 43		28,028 69	216,347 49
12.	Prior Month Corrections		677 10	-396 27												280 83
13.	Total Amortization & Return (Line 3 + 9)		16,020 76	15,541 08	15,912 08	15,326 42	16,689 02	18,312 48	18,618 87	22,000 44	26,026 60	26,643 79	28,647 90	91 86	31,457 16	251,288 45

Notes:
 (A) GoodCents Select Property Additions Depreciated at 3% per year
 (B) Revenue Requirement Return is 10 4209

GULF POWER COMPANY
 SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN
 Energy Education
 For the Period January, 2000 Through December, 2000

Line No.	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1.	Investments (Net of Retirements)														-
2.	Amortization Base		21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	
3.	Amortization Expense (A)		251.65	251.65	251.65	251.65	251.65	251.65	251.65	251.65	-	-	-	-	2,013.20
4.	Cumulative Investment	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	21,139.00	
5.	Less: Accumulated Amortization	11,827.55	12,079.20	12,330.85	12,582.50	12,834.15	13,085.80	13,337.45	13,589.10	13,840.75	13,840.75	13,840.75	13,840.75	13,840.75	
6.	Net Investment	9,311.45	9,059.80	8,808.15	8,556.50	8,304.85	8,053.20	7,801.55	7,549.90	7,298.25	7,298.25	7,298.25	7,298.25	7,298.25	
7.	Average Net Investment		9,185.63	8,933.98	8,682.33	8,430.68	8,179.03	7,927.38	7,675.73	7,424.08	7,298.25	7,298.25	7,298.25	7,298.25	
8.	Rate of Return / 12 (Including Income Taxes) (B)		0.008684	0.008684	0.008684	0.008684	0.008684	0.008684	0.008684	0.008684	0.008684				
9.	Return Requirement on Average Net Investment		79.77	77.58	75.40	73.21	71.03	68.84	66.66	64.47	31.69	-	-	-	608.65
10.	Total Amortization & Return (Line 3 + 9)		331.42	329.23	327.05	324.86	322.68	320.49	318.31	316.12	31.69	-	-	-	2,621.85

Notes.
 (A) 1995 Additions Amortized over 7 Year Period
 (B) Revenue Requirement Return is 10.4209

GULF POWER COMPANY
 SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN
 Commercial Technology
 For the Period January, 2000 Through December, 2000

Line No.	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Investments (Net of Retirements)														
2	Amortization Base		939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	
3	Amortization Expense (A)		11.18	11.18	11.18	11.18	11.18	11.18	11.18	11.18					89.44
4	Cumulative Investment	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	939.00	
5	Less: Accumulated Amortization	525.46	536.64	547.82	559.00	570.18	581.36	592.54	603.72	614.90	614.90	614.90	614.90	614.90	
6	Net Investment	413.54	402.36	391.18	380.00	368.82	357.64	346.46	335.28	324.10	324.10	324.10	324.10	324.10	
7	Average Net Investment		407.95	396.77	385.59	374.41	363.23	352.05	340.87	329.69	324.10	324.10	324.10	324.10	
8	Rate of Return / 12 (Including Income Taxes) (B)		0.008684	0.008684	0.008684	0.008684	0.008684	0.008684	0.008684	0.008684					
9	Return Requirement on Average Net Investment		3.54	3.45	3.35	3.25	3.15	3.06	2.96	2.86	1.41	-	-	-	27.03
10	Total Amortization & Return (Line 3 + 9)		14.72	14.63	14.53	14.43	14.33	14.24	14.14	14.04	1.41	-	-	-	116.47

Notes.
 (A) 1995 Additions Amortized over 7 Year Period
 (B) Revenue Requirement Return is 10.4209

GULF POWER COMPANY

Reconciliation and Explanation of
Differences Between Filing and FPSC Audit
Report for Months, January, 1999 through December, 1999

(If no differences exist, please state.)

NO DIFFERENCES

Program Description and Progress

Program Title: Residential Energy Audits

Program Description: This program consists of two types of audits: (1) Class A Energy Conservation Audits and (2) Centsable Energy Checks, a walk-through audit. Both of these audits are performed on-site and involve assisting the customer in upgrading the thermal and equipment efficiencies in their homes as well as lifestyle measures and low or no cost improvements.

Program Accomplishments: 1,500 residential energy audits were forecasted to be completed compared to 1,606 actual audits completed for a difference of 106 audits over projection.

Program Fiscal Expenditures: Forecasted expenses were \$413,672 compared to actual expenses of \$374,572 resulting in a deviation of \$38,920 under budget. The deviation is the result of less labor time being required on each audit. The audits required less time per audit than anticipated.

Program Progress Summary: Since the approval of this program, Gulf has performed 128,216 residential energy audits. This is a result of Gulf's promotional campaign to solicit energy audits as well as the overall rapport established with its customers as the "energy experts" in Northwest Florida.

Program Description and Progress

Program Title: Residential Mail-In Audits

Program Description: The Residential Mail-In Audit Program is a direct mail energy auditing program. This program is designed to supplement Gulf's existing Residential Energy Audit program and assists in the evaluation of the specific energy requirements of a residential dwelling. Homeowners complete an audit questionnaire on their own or may request the assistance of a Gulf Power representative. This questionnaire asks customers about their energy consuming equipment or appliances, square footage, and other details regarding their lifestyles. The audit results package is returned to the customer and includes targeted, timely information about energy conservation opportunities specific to that dwelling.

Program Accomplishments: 137 audits were conducted using this process during the reporting period compared to a projection of 1,500. This program is under projection due to a lower than expected participation rate in the program.

Gulf Power is undertaking two steps to increase participation in the mail-in audit program. The first step has been to contact customer service representatives and local offices to encourage company representatives to provide mail-in audits to customers who contact the company about bill inquires or other company services. The second approach to increased participation will be to pilot targeted mailings in the third and fourth quarters of 2001.

Program Fiscal Expenditures: The program had actual expenses of \$45,933 compared to a projection of \$105,466 for a difference of \$59,533 under budget. This deviation is due to fewer audits conducted and a reduction in advertising for the period.

Program Progress Summary: This program was approved on August 5, 1997. There have been 632 mail-in audits completed program-to-date.

Program Description and Progress

Program Title: Gulf Express Loan Program

Program Description: The objective of this program has been to encourage and achieve energy conservation. The program provided below market interest rates by participating banks to customers as an incentive to install energy conservation features in their homes.

Program Accomplishments: New loans were discontinued as of second quarter, 1997.

Program Fiscal Expenditures: Forecasted expenses were \$7,735 compared to actual expenses of \$4,143. All expenses are for the administration of existing loans and defaults.

Program Progress Summary: Since the approval of the program, Gulf has completed 1,953 Gulf Express Loans.

Program Description and Progress

Program Title: In Concert With The Environment

Program Description: In Concert With The Environment is an environmental and energy awareness program that is being implemented in 8th and 9th grade science classes. The program shows students how everyday energy use impacts the environment and how using energy wisely increases environmental quality.

Program Accomplishments: In Concert With The Environment was not presented to students during this recovery period. Beginning in 2000, the program was made available for the students by request, but no expenses were incurred to promote the program. The program ended in December, 2000, when the contract with the survey/tabulation company expired.

Program Fiscal Expenditures: No expenses for the period ending December, 2000, were projected nor incurred.

Program Summary: Since the approval of the program, 4,378 students have completed the program.

Program Description and Progress

Program Title: Good Cents Environmental Home

Program Description: Good Cents Environmental Home Program provides residential customers with guidance concerning energy and environmental efficiency in new construction. The program promotes energy-efficient and environmentally sensitive home construction techniques by evaluating over 500 components in six categories of design construction practices.

Program Accomplishments: During the recovery period, no Good Cents Environmental Homes were constructed. Gulf Power has maintained the availability of this program to our builders and customers; however, we have not advertised and promoted this program in an active manner.

Program Fiscal Expenditures: No expenses were forecasted nor incurred for the period ending December, 2000.

Program Description and Progress

Program Title: Duct Leakage Repair

Program Description: The program provides the customer with a means to identify house air duct leakage and recommend repairs that can reduce customer kWh energy usage and kW demand.

Program Accomplishments: During this recovery period, no Duct Leakage Repair units were completed. Gulf Power made the program available to its builders and customers; however, no advertising and promotional dollars were spent on this program.

Program Fiscal Expenditures: No dollars were projected for the period. However, \$271 was spent for administration of the program. No further expenses are anticipated unless customers request the service.

Program Progress Summary: Program-to-date, 13 Duct Leakage Repair units have been completed. Program activities have related to education, training, and program development.

Program Description and Progress

Program Title: Geothermal Heat Pump

Program Description: The objective of this 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.

Program Accomplishments: During this recovery period, 293 Geothermal Heat Pump units were installed compared to a goal of 500 units. This program is under projection due to a lower than expected participation rate in the program.

Program Fiscal Expenditures: Projected expenses for the period were \$338,150 compared to actual expenses of \$125,204 for a deviation of \$212,946 under budget. This program is under budget due to a reduction in labor, materials and advertising expenses for the period.

Program Progress Summary: Program progress to date has been related primarily to education, training, and program development. Since the inception, 1,334 geothermal systems have been installed.

Program Description and Progress

Program Title: GoodCents Select (Advanced Energy Management)

Program Description: This program was field tested through the TranstexT Advanced Energy Management Pilot Program in Gulf Breeze, Florida. The program is designed to provide the customer with a means of conveniently and automatically controlling and monitoring his/her energy purchases in response to prices that vary during the day and by season in relation to the Company's cost of producing or purchasing energy.

Program Accomplishments: A total of 946 units have been installed during this period. A number of factors have contributed to delays in taking the program from a demonstration project to full-scale implementation. As these have been resolved, the rate of installations has increased and is expected to continue to increase to a rate of 3,000 new installations per year.

Program Fiscal Expenditures: This projection was revised in September, 2000, to be \$1,737,759 compared to actual expenses of \$2,297,207 for a deviation of \$559,448 over budget. This program is over budget due to installation contract obligations resulting from costs incurred by the contractor for units budgeted but not actually installed.

In addition, the expenditures for 2001 will be \$660,000 over earlier projections. This is the result of a new maintenance and support agreement with the equipment manufacturer. This new agreement was necessary in order to provide funding for product enhancements and support not accounted for in the original contract.

Program Progress Summary: A total of 1,029 units have been installed program-to-date.

Program Description and Progress

Program Title: GoodCents Buildings

Program Description: This program is designed to educate non-residential customers on the most cost-effective methods of designing new and improving existing buildings. The program stresses efficient heating and cooling equipment, improved thermal envelope, operation and maintenance, lighting, cooking and water heating. Field representatives work with architects, engineers, consultants, contractors, equipment suppliers and building owners and occupants to encourage them to make the most efficient use of all energy sources and available technologies.

Program Accomplishments: The goal during the current period was 215 installations compared to actual installations of 181.

Program Fiscal Expenditures: Forecasted expenses were \$319,161 compared to actual expenses of \$342,166 for a deviation of \$23,005. This deviation is due to our customers requiring more information regarding energy efficient buildings this period. They are also requiring more technical support from us. This in turn causes an increase in our labor and material dollars spent.

Program Progress Summary: A total of 7,917 commercial/industrial buildings have qualified for the Good Cents designation since the program was developed in 1977.

Program Description and Progress

Program Title: Commercial/Industrial Energy Audits and Technical Assistance Audits

Program Description: This program is designed to provide professional advice to our existing commercial customers on how to reduce and make the most efficient use of energy. This program covers the smallest commercial customer, requiring only a walk-through survey, to the use of computer programs which will simulate several design options for very large energy intensive customers. The program is designed to include six month and annual follow-ups with the customer to verify any conservation measures installed and to reinforce the need to continue with more conservation efforts.

Program Accomplishments: During the period ending December, 2000, our goal was 125 while actual results were 141.

Program Fiscal Expenditures: Forecasted expenses were \$596,254 compared to actual expenses of \$514,188 for a deviation of \$82,066 under budget. This program is under budget due to less labor time spent on each audit. Also, advertising was reduced for this program during the recovery period.

Program Progress Summary: A total of 11,141 EA/TAA's have been completed since the program started in January, 1981. These audits have ranged from basic walk-through type for some commercial customers to sophisticated technical assistance audits for other commercial and industrial customers.

Program Description and Progress

Program Title: Commercial Mail-In Audit Program

Program Description: The Commercial Mail-In Audit Program is a direct mail energy auditing program. This program is supplementing Gulf's existing Commercial/Industrial Energy Audit program and is assisting in the evaluation of the specific energy requirements of a given business type. Businesses complete an audit questionnaire on their own or may request the assistance of a Gulf Power representative. This questionnaire asks customers about their energy consuming equipment or appliances, square footage, hours of operation and other details regarding their business operations. The audit results package is returned to the customer and includes targeted, timely information about energy conservation opportunities specific to each business type and geographic area.

Program Accomplishments: In this period, 1,018 mail-in audits have been completed compared to a projection of 950 audits.

Program Fiscal Expenditures: Projected expenses for the period were \$71,071 compared to actual expenses of \$31,920 resulting in a deviation of \$39,151 under budget. This program is under budget due to a reduction in material, printing and mailing costs for the audits.

Program Progress Summary: To-date, 3,867 mail-in audits have been completed.

Program Description and Progress

Program Title: Green Pricing

Program Description: The Green Pricing Program is designed to encompass a variety of voluntary renewable and green energy programs under development by Gulf Power Company. The voluntary pricing options for customers include, but are not limited to Photovoltaic Rate Rider Tariff and Solar for Schools. Additionally, this program includes research and administrative costs to study the cost effectiveness of additional green pricing offerings utilizing wind or other renewable energy sources.

Program Accomplishments:

Solar for Schools

The principle objective of the Solar for Schools program is to implement cost-effective solar education and demonstration projects at local educational facilities by means of voluntary contributions. The program also seeks to increase renewable energy and energy awareness among students, parents and contributors. Solar for Schools is a program that uses voluntary contributions to fund materials for energy education, permanent demonstration displays, rewards for science contests, and teacher education. Voluntary contributions are solicited from customers interested in renewable energy and/or helping to improve the quality of schools in the Gulf Power Company service area. Funds are collected through a "check-off" mechanism on the utility bill or through a direct contribution and accumulated in an interest bearing account. When contributions reach an adequate level, they are directed to an educational facility for implementation of various solar educational programs and for the installation of solar equipment. Contributions are not used for administrative costs, program research or for promotion costs.

Photovoltaic Optional Rate Rider (PV)

The PV Rate Rider is an optional rate for Gulf Power Company customers. Customers may purchase photovoltaic energy in 100-watt blocks. Multiple blocks may be purchased. Power purchased or produced from photovoltaic facilities may not be specifically delivered to the customer, but will displace power that would have otherwise been produced from traditional generating facilities. The construction of the photovoltaic facility or power purchased from photovoltaic

facilities will begin upon the attainment of sufficient commitments from all participants across the Southern Company electric system where the option is available and, as necessary, after obtaining FPSC approval. Customer billing will begin the second month following the date in which power is purchased from photovoltaic generating facilities or in which a photovoltaic generating facility of the Southern Company begins commercial operation.

Photovoltaic Solar Demonstration and Education Project
(EarthCents)

Gulf Power Company has installed and is monitoring a 4 kW PV solar system at the Junior Museum of Bay County. This PV system operates computer equipment and other electrical items within the museum itself to demonstrate the capabilities of solar energy to the youth of Bay County and the surrounding counties.

Program Fiscal Expenditures: Projected expenses for the period were: Solar for Schools, \$4,923; Photovoltaic Optional Rate Rider, \$35,000; EarthCents, \$15,829. Actual expenses were: Solar for Schools, \$3,068; Photovoltaic Optional Rate Rider, \$24,928; and EarthCents, \$10,776. For the Green Pricing Program, actual expenses totaled \$38,772 versus projected expenses of \$55,752 for the program year, or a deviation of \$16,980 under budget.

Program Description and Progress

Program Title: Conservation Demonstration and Development

Program Description: A package of conservation programs was approved by the FPSC in Order No. 23561 for Gulf Power Company to explore the development of a program to pursue research, development, and demonstration projects designed to promote energy efficiency and conservation. This program serves as an umbrella program for the identification, development, demonstration and evaluation of new or emerging end-use technologies.

Completed Program Accomplishments:

The Efficiency Store - Energy Education program has been completed. A final report has been submitted.

The Efficiency Store - Commercial Technology Demonstration has been completed. A final report has been submitted.

Slinky Mat Loop Heat Pump - This project has been completed. A final report has been submitted.

Schwartz Dentist Office - Closed Loop - Geothermal Heat Pump and Air Source Heat Pump Comparison - This project has been completed. A final report has been submitted.

Dr. Taylor - Geothermal Heat Pump and Air Source Heat Pump Comparison - This project has been completed. A final report has been submitted.

Closed Loop - Hotel - Sleep Inn, hospitality/hotel - Hotel Geothermal Heat Pump and Heat Pump Water Heater Report - This project has been completed. A final report has been submitted.

Van Norman Project - Geothermal Home - This project was a triple function Nordyne heat pump providing heating, cooling, and water heating on demand. The heat pump compressor has a water heating mode. The total house, water heater, air handler and compressor were being monitored. Also, monitoring included air temperatures, water temperatures, and gallons of hot water. This project has been completed. The report is being prepared at this time.

The Dunes - Heat Pump Water Heater System - This project has been completed. A final report has been submitted.

Jim Day Project - Residential Geothermal Heat Pump - This project has been completed. A final report has been submitted.

Joe Ridge Project - Residential Pool Heater Geothermal Heat Pump - This project has been completed. A final report has been submitted.

Bay County Schools - Lucille Moore Elementary - Geothermal Heat Pump and Air Source Heat Pump Comparison - This project has been completed. A final report has been submitted.

Low Income Multi-Family Housing Project - This project has been completed. A final report has been submitted.

Burger King - This project has been completed. A final report has been submitted.

Solar Light - Gulf Power Company is presently testing a solar Photovoltaic light at the Pine Forest facility. The solar light will be monitored for energy consumption and peak demand savings as well as the actual lumen for the security light. A successful test would result in using this light in our Solar for Schools program. This particular light did not use funding from the Solar for Schools Program, however, Gulf did use funds from the Conservation Demonstration and Development program.

Hampton Inn - The Hampton Inn is being used to study geothermal heat pump water heaters for their laundry and pool heating requirements. The laundry room is cooled and the water heated with geothermal heat pump water heaters. The hotel pool is heated with a geothermal heat pump water heater.

Boardwalk - The Boardwalk Laundry Room is a research site designed to study the effectiveness of the triple function Nordyne heat pump. This heat pump is designed to cool and heat the laundry room and also heat the water used to do laundry.

Pine Forest

Gulf Power Company will be monitoring several pieces of equipment at the culinary arts department of a local high school. Energy usage will be monitored over the period of one year and a comparison report will be prepared at that time.

Groovin'Noovin'

Gulf Power Company will be monitoring two pieces of cooking equipment at two different store locations. Energy usage will be monitored over the period of year and a comparison report will be prepared at that time.

Program Fiscal Expenditures: Program expenses were forecasted at \$120,929.22 compared to actual expenses of \$64,576.13 for a deviation of \$56,353.09 under budget. Project expenses were as follows: Efficiency Store - Energy Education, \$24,977.24; Efficiency Store - Commercial Technology, \$7,206.37; Slinky Mat Loop Heat Pump, \$330.00; Hampton, \$20,961.12; Pine Forest Culinary , \$10,000; Groovin' Noovin' Project, \$1,101.40.