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**Florida
Power**
CORPORATION

James A. McGee
SENIOR COUNSEL

November 15, 1993

Mr. Steven C. Tribble, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32399-0870

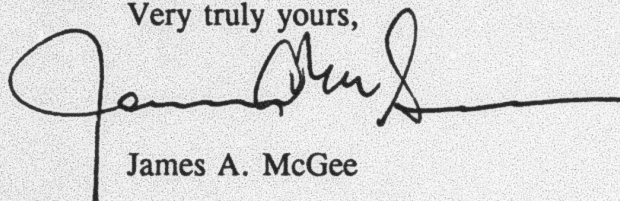
Re: Docket No. **930001-EI**

Dear Mr. Tribble:

Enclosed for filing in the subject docket are fifteen copies of the prepared direct testimony of Karl H. Wieland and the prepared direct testimony of William C. Micklon, on behalf of Florida Power Corporation.

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

Very truly yours,


James A. McGee

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CERTIFICATE OF SERVICE

Docket No. 930001-EI

I HEREBY CERTIFY that a true copy of the prepared direct testimony of Karl H. Wieland and William C. Micklon, on behalf of Florida Power Corporation has been furnished to the following individuals by U.S. Mail this 15th day of November, 1993:

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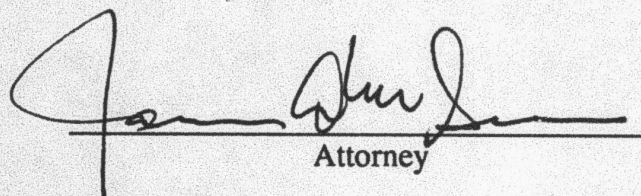
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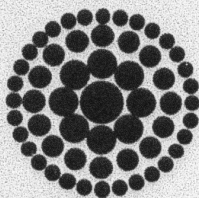
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**Florida
Power**
CORPORATION

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

DOCKET No. 930001-EI

**FINAL TRUE-UP AMOUNT
APRIL 1993 THROUGH SEPTEMBER 1993**

**DIRECT TESTIMONY
AND EXHIBITS OF**

KARL H. WIELAND

For Filing November 15, 1993

DOCUMENT NUMBER-DATE

12260 NOV 15 83

FPSC-RECORDS/REPORTING

FLORIDA POWER CORPORATION

DOCKET NO. 930001-EI

**Re: Fuel Cost Recovery and
Capacity Cost Recovery
Final True-up Amounts for
April through September 1993**

**DIRECT TESTIMONY OF
KARL H. WIELAND**

1 **Q. Please state your name and business address.**

2 **A. My name is Karl H. Wieland. My business address is P. O. Box 14042,**
3 **St. Petersburg, Florida 33733.**

4
5 **Q. By whom are you employed and in what capacity?**

6 **A. I am employed by Florida Power Corporation as Director of Business**
7 **Planning.**

8
9 **Q. Have the responsibilities of your position with the Company remained the**
10 **same since you last testified in this proceeding?**

11 **A. Yes.**

12
13 **Q. What is the purpose of your testimony?**

14 **A. The purpose of my testimony is to describe the Company's Fuel Cost**
15 **Recovery Clause final true-up amount for the period of April through**
16 **September 1993, and the Company's Capacity Cost Recovery Clause final**
17 **true-up amount for the period of April through September 1993.**

1 A. The fuel true-up balance as of September 30, 1993 is an under-recovery
2 of \$28,858,173. When the estimated under-recovery of \$10,284,677 to
3 be collected during the current period is taken into account, the final net
4 true-up amount attributable to the April - September 1993 period is an
5 under-recovery of \$18,573,496.

6
7 **Q. How was the final true-up amount determined?**

8 A. The amount was determined in the manner set forth on Schedule A2 of
9 the Commission's standard forms previously submitted by the Company
10 on a monthly basis.

11
12 **Q. What factors contributed to the period-ending under-recovery of \$28.9
13 million?**

14 A. The factors contributing to the under-recovery are summarized on Sheet
15 1 of my exhibit (KHW-1). It is the net result of changes in projected costs
16 on one hand, and changes in projected revenues on the other. The total
17 system cost of fuel and net power transactions for the period was \$32.0
18 million higher than projected, which was the combined effect of a \$30.8
19 million increase in jurisdictional costs and a \$1.2 million increase in
20 wholesale costs. Jurisdictional fuel revenues were \$2.6 million higher
21 than projected due to higher than projected sales. The combination of
22 significantly higher jurisdictional costs and slightly higher jurisdictional
23 revenues resulted in an under-recovery of \$28.2 million attributable to the
24 April - September 1993 period. Other variances not directly attributable

1 to the period, including an interest provision of \$0.4 million, result in the
2 total true-up under-recovery of \$28.9 million, as of September 30, 1993.
3

4 **Q. Please explain the components shown on Sheet 2 of your exhibit which**
5 **produced the \$32.0 million system variance from the projected cost of**
6 **fuel and net power transactions.**

7 **A. Sheet 2 of my exhibit (KWH-1) shows an analysis of this system variance**
8 **for each energy source in terms of three interrelated components: (1)**
9 **changes in the amount (MWh's) of energy required; (2) changes in the**
10 **heat rate, or efficiency, of generated energy (BTU's per kWh); and (3)**
11 **changes in the unit price of either fuel consumed for generation (\$ per**
12 **million BTU) or energy purchases and sales (cents per kWh).**
13

14 **Q. What effect did these components have on the system fuel and net power**
15 **variance for the true-up period?**

16 **A. As can be seen from Sheet 2, variances in the amount of MWh**
17 **requirements from each energy source (column B) combined to produce**
18 **a cost increase of \$15.0 million. I will discuss this component of the**
19 **variance analysis in greater detail below.**
20

21 The heat rate variance for each source of generated energy (column C)
22 produced a net cost increase of \$5.6 million. Higher than anticipated heat
23 rates for oil generating units were the largest component of the cost
24 variance. On the Company's Schedule A3, all BTU's for light oil are

1 to the period, including an interest provision of \$0.4 million, result in the
2 total true-up under-recovery of \$28.9 million, as of September 30, 1993.
3

4 **Q. Please explain the components shown on Sheet 2 of your exhibit which**
5 **produced the \$32.0 million system variance from the projected cost of**
6 **fuel and net power transactions.**

7 **A. Sheet 2 of my exhibit (KWH-1) shows an analysis of this system variance**
8 **for each energy source in terms of three interrelated components: (1)**
9 **changes in the amount (MWh's) of energy required; (2) changes in the**
10 **heat rate, or efficiency, of generated energy (BTU's per kWh); and (3)**
11 **changes in the unit price of either fuel consumed for generation (\$ per**
12 **million BTU) or energy purchases and sales (cents per kWh).**

13
14 **Q. What effect did these components have on the system fuel and net power**
15 **variance for the true-up period?**

16 **A. As can be seen from Sheet 2, variances in the amount of MWh**
17 **requirements from each energy source (column B) combined to produce**
18 **a cost increase of \$15.0 million. I will discuss this component of the**
19 **variance analysis in greater detail below.**

20
21 The heat rate variance for each source of generated energy (column C)
22 produced a net cost increase of \$5.6 million. Higher than anticipated heat
23 rates for oil generating units were the largest component of the cost
24 variance. On the Company's Schedule A3, all BTU's for light oil are

1 included in the light oil heat rate computation. However since no kWh
2 generation is associated with light oil consumed at steam plants, the
3 resulting heat rate shown on A3 is distorted. In order to compute the true
4 heat rate variance, light oil consumed at steam units is shown separately
5 on line 23 of Sheet 2.
6

7 A cost reduction of \$11.5 million resulted from the price variance
8 (column D), which was caused by a number of factors detailed on lines 1
9 through 26 of Sheet 2. The main factors were higher than projected
10 prices for coal and purchased power from qualifying facilities.
11

12 **Q. What is the purpose of the analysis captioned "Reconciliation of Variances**
13 **in MWh Requirements," shown on Sheet 3 of your exhibit?**

14 **A.** The analysis on Sheet 3 is an attempt to identify the effect that variances
15 in the MWh requirements of certain energy sources have on the MWh
16 variances of other energy sources. Although this interrelationship is
17 generally understood to exist, it is not readily apparent from the individual
18 variances contained in the A Schedules or in the analysis on Sheet 2. For
19 example, an increase in the MWh requirements of nuclear generation
20 shows up on Schedule A3 and on Sheet 2 of my exhibit as a cost
21 increase. While this may be correct in isolation, the true effect of
22 increased nuclear generation is obviously a corresponding decrease in the
23 MWh requirements of a number of other more costly energy sources,

1 primarily oil. The result is a lower net system cost even if total system
2 MWh requirements remain unchanged.

3
4 In addition to this effect of variances in generation mix, the analysis also
5 attempts to identify the independent effect of the net variance in total
6 system MWh requirements from all energy sources combined. In this true-
7 up period, for example, total system requirements were higher than the
8 original forecast by 289,812 MWh. This would have led to higher net
9 costs even if the mix of generation had not changed, since the higher
10 system load increases oil generation at a cost above the system average.

11
12 **Q. Please explain how this analysis was performed.**

13 **A.** The analysis on Sheet 3 is made in two steps. The first, captioned "MWh
14 Reconciliation," allocates the MWh variances for the individual energy
15 sources shown in column B among the primary causal variances in
16 columns C through H. Since the causal variances identified in this
17 analysis are not all inclusive, the amount of any residual over- or under-
18 allocation is shown in column I, "Unallocated Variances." The second
19 step, captioned "Cost Reconciliation," assigns a dollar value to the MWh
20 variances identified in step 1. This is done by allocating the cost
21 variances identified in column B of Sheet 2 for each energy source (and
22 shown again in column B of Sheet 3) among the causal variances based
23 on the MWh's allocated to each in step 1.

1 As mentioned above, the allocation of individual MWh and cost variances
2 to the various causes of those variances is not intended to be all inclusive
3 or precise. It is intended to be a representative approximation of the
4 exceedingly complex cause and effect relationship existing among the
5 individual and total MWh variances and their related cost variances.
6

7 **Q. What were the major contributors to the \$15.0 million cost increase**
8 **associated with the variance in MWh requirements?**

9 **A. Higher system requirements during the period contributed \$19.0 million**
10 **to the cost variance. Higher than expected nuclear generation and other**
11 **factors combined to reduce costs by \$4.0 million.**
12

13 **CAPACITY COST RECOVERY**

14

15 **Q. What is the Company's final true-up amount for capacity cost recovery?**

16 **A. Exhibit (KHW-2), sheet 1, entitled "Calculation of Final True-Up Amount"**
17 **records the costs and revenues associated with the Capacity Cost**
18 **Recovery Clause for the period April through September 1993. The**
19 **capacity cost recovery true-up balance as of September 30, 1993 is an**
20 **over-recovery of \$2,576,367.**
21

22 **Q. Is this true-up calculation consistent with the true-up methodology used**
23 **for the other cost recovery clauses?**

1 A. Yes it is. The calculation of the true-up amount follows the procedures
2 established by this Commission as set forth on Commission Schedule A2
3 "Calculation of True-Up and Interest Provision" for the Fuel Cost Recovery
4 Clause.

5
6 **Q. What factors contributed to the period-end over-recovery of \$2,576,367?**

7 A. Exhibit (KHW-2), sheet 3, entitled "Summary of Final True-Up Amount",
8 compares the summary items from sheet 1 to the original forecast for the
9 period. As can be seen from sheet 3, actual capacity cost revenues were
10 \$.5 million higher than forecast due to higher kWh sales during the period.
11 Jurisdictional capacity costs were \$1.8 million lower than forecast
12 because Seminole Fertilizer did not exercise an option to increase contract
13 output from 15 to 25 MW.

14
15 **Q. What is the Company's net true-up amount for capacity cost recovery?**

16 A. When the estimated over-recovery of \$79,469 to be refunded during the
17 current period is subtracted from the period-end true-up of \$2,576,367,
18 the final net true-up amount attributable to the April - September 1993
19 period is an over-recovery of \$2,496,898.

20
21 **Q. Does this conclude your testimony?**

22 A. Yes, it does.

**EXHIBITS TO THE TESTIMONY OF
KARL H. WIELAND**

**Fuel Cost Recovery Clause
Final True-Up Amount
April 1993 through September 1993**

VARIANCE ANALYSIS (KHW-1)

**Fuel Cost Recovery Clause
Final True-Up Amount
April through September 1993**

VARIANCE SUMMARY

	(\$Million)	Contribution to Over (Under) <u>Recovery</u>
1. System fuel and net power costs - Schedule A2, p. 3 of 4, line 4 (See variance analysis on Sheet 2)		<u>\$ 32,033,640</u>
2. Jurisdictional fuel revenues for period - Schedule A2, p. 3 of 4, line 3 plus line 7 (est.)		\$ 2,633,666
3. Jurisdictional fuel and net power costs - Schedule A2, p.3 of 4, line 6		<u>\$ 30,843,848</u>
4. True-up amount for period - line 2 minus line 3		\$ (28,210,182)
5. True-up revenues for prior period - Schedule A2, p. 3 of 4, line 9 plus line 10		\$ (228,133)
6. Interest provision - Schedule A2, p. 3 of 4, line 8		<u>\$ (419,858)</u>
7. Final period-ending true-up amount - add lines 4 through 6		<u>\$ (28,858,173)</u>

FUEL AND NET POWER VARIANCE ANALYSIS

FOR THE PERIOD: APRIL THROUGH SEPTEMBER 1993

(A) ENERGY SOURCE	---- COST INCREASE (DECREASE) DUE TO ----			(E) TOTAL
	(B) MWH REQ'MNTS VARIANCES (1)	(C) HEAT RATE VARIANCES	(D) PRICE VARIANCES	
1 HEAVY OIL	(\$4,427,356)	\$3,007,444	(\$315,419)	(\$1,735,331)
2 LIGHT OIL	6,150,268	764,086	69,903	6,984,257
3 COAL	(13,730,049)	1,641,363	3,299,196	(8,789,490)
4 GAS	2,178,516	0	0	2,178,516
5 NUCLEAR	1,306,760	159,681	824,681	2,291,122
6 OTHER FUEL	0	0	0	0
7 GENERATION SUBTOTAL	(8,521,861)	5,572,574	3,878,361	929,074
8 PURCH POWER-FIRM	75,889		396	76,285
9 ECONOMY-BROKER	22,506,765		1,086,570	23,593,335
10 ECONOMY-NONBROKER	(168,633)		(94,508)	(263,141)
11 SCHEDULE E	(5,384,550)		1,058,812	(4,325,738)
12 QUAL FACILITIES (FUEL)	5,127,200		5,118,445	10,245,645
13 PURCHASE SUBTOTAL	22,156,671		7,169,715	29,326,386
14 ECONOMY SALES (FUEL)	2,003,524		798,510	2,802,034
15 OTHER SALES (FUEL)	(284,822)		0	(284,822)
16 SEMINOLE BACKUP (FUEL)	0		0	0
17 SUPPLEMENTAL SALES	(362,784)		(4,669,921)	(5,032,705)
18 SALES SUBTOTAL	\$1,355,918		(\$3,871,411)	(\$2,515,493)
19 NUCLEAR FUEL DISPOSAL			249,760	249,760
20 GAINS ON POWER SALES			(238,027)	(238,027)
21 SCHED E CAP. COST			0	0
22 Q.F. CAPACITY COST			0	0
23 START-UP LIGHT OIL			(566,015)	(566,015)
24 OTHER ADJUSTMENTS			4,847,950	4,847,950
25 NON-FUEL SUBTOTAL			4,293,668	4,293,668
26 TOTAL FUEL AND NET POWER	\$14,990,728	\$5,572,574	\$11,470,333	\$32,033,635

(1) See Sheet 3 of 3 (KHW-1) for a reconciliation of costs associated with the variances in MWH requirements.

RECONCILIATION OF VARIANCES
IN MWH REQUIREMENTS
FOR THE PERIOD: APRIL THROUGH SEPTEMBER 1993

MWH RECONCILIATION

(A) ENERGY SOURCE	(B) MWH VARIANCES (1)	(C) SYSTEM MWH VARIANCES	INCREASED/(DECREASED) MWH DUE TO					(I) UNALLOCATED VARIANCES	(J) TOTAL	
			(D) NUCLEAR	(E) GENERATION COAL	(F) GAS	(G) PURCHASE VARIANCES	(H) SALES VARIANCES			
1 HEAVY OIL	(197,723)	49	(42)	4	(28,399)	(614,667)	(2,329)	447,660	(197,723)	1
2 LIGHT OIL	93,410	289,002	(245,165)	26,127	(22,591)	(80,943)	3,942	123,039	93,410	2
3 COAL	(731,844)	55	(47)	(26,195)	0	4,297	(103,565)	(606,389)	(731,844)	3
4 GAS	50,990	0	0	0	50,990	0	0	0	50,990	4
5 NUCLEAR	245,853	0	245,853	0	0	0	0	0	245,853	5
6 PURCH POWER-FIRM	593	1	(1)	0	0	593	0	0	593	6
7 ECONOMY-BROKER	724,124	176	(149)	16	0	724,082	0	0	724,124	7
8 ECONOMY-NONBROKER	(10,775)	19	(16)	2	0	(10,779)	0	0	(10,775)	8
9 SCHEDULE E	(202,369)	512	(434)	46	0	(202,493)	0	0	(202,369)	9
10 QUAL FACILITIES	179,912	0	0	0	0	179,912	0	0	179,912	10
11 ECONOMY SALES	121,841	0	0	0	0	0	121,841	0	121,841	11
12 SEMINOLE BACKUP	(8,462)	0	0	0	0	0	(8,462)	0	(8,462)	12
13 OTHER SALES	0	0	0	0	0	0	0	0	0	13
14 SEMINOLE SUPPLEMENTAL	(11,427)	0	0	0	0	0	(11,427)	0	(11,427)	14
15 TOTAL	254,123	289,813	0	(0)	0	(0)	(0)	(35,690)	254,123	15

COST RECONCILIATION

(A) ENERGY SOURCE	(B) COST VARIANCES (2)	(C) SYSTEM MWH VARIANCES	INCREASED/(DECREASED) COST DUE TO					(I) UNALLOCATED VARIANCES	(J) TOTAL	
			(D) NUCLEAR	(E) GENERATION COAL	(F) GAS	(G) PURCHASE VARIANCES	(H) SALES VARIANCES			
1 HEAVY OIL	(4,427,356)	1,199	(1,017)	108	(691,082)	(14,957,799)	327,517	10,893,717	(4,427,356)	1
2 LIGHT OIL	6,150,268	19,028,347	(16,142,051)	1,720,222	(1,487,434)	(5,329,449)	259,534	8,101,099	6,150,268	2
3 COAL	(13,730,049)	1,037	(880)	(491,442)	0	80,611	(1,942,969)	(11,376,406)	(13,730,049)	3
4 GAS	2,178,516	0	0	0	2,178,516	0	0	0	2,178,516	4
5 NUCLEAR	1,306,760	0	1,306,760	0	0	0	0	0	1,306,760	5
6 PURCH POWER-FIRM	75,889	111	(94)	10	0	75,862	0	(0)	75,889	6
7 ECONOMY-BROKER	22,506,765	5,456	(4,629)	493	0	22,505,444	0	0	22,506,765	7
8 ECONOMY-NONBROKER	(168,633)	290	(246)	26	0	(168,703)	0	(0)	(168,633)	8
9 SCHEDULE E	(5,384,550)	13,619	(11,553)	1,231	0	(5,387,847)	0	0	(5,384,550)	9
10 QUAL FACILITIES	5,127,200	0	0	0	0	5,127,200	0	(0)	5,127,200	10
11 ECONOMY SALES	2,003,524	0	0	0	0	0	2,003,524	0	2,003,524	11
12 SEMINOLE BACKUP	(284,822)	0	0	0	0	0	(284,822)	(0)	(284,822)	12
13 OTHER SALES	0	0	0	0	0	0	0	0	0	13
14 SEMINOLE SUPPLEMENTAL	(362,784)	0	0	0	0	0	(362,784)	0	(362,784)	14
15 TOTAL	14,990,728	19,050,059	(14,853,710)	1,230,649	(0)	1,945,319	0	7,618,410	14,990,728	15

(1) Reference: Lines 1 through 5, see Schedule A3; Lines 6 through 14, see Schedule A1.
 (2) Reference: See Sheet 2 of 3 (KWH-1), column B.

**EXHIBITS TO THE TESTIMONY OF
KARL H. WIELAND**

**Capacity Cost Recovery Clause
Final True-Up Amount
April 1993 through September 1993**

CALCULATION OF FINAL TRUE-UP (KHW-2)

**CAPACITY COST RECOVERY CLAUSE
CALCULATION OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD APRIL THROUGH SEPTEMBER 1993**

Witness: K. H. Wierand
Exhibit No. _____ (KHW-2)
Sheet 1 of 3

Description	(a) April	(b) May	(c) June	(d) July	(e) August	(f) September	(g) 6 MONTHS Cumulative
Base Production Level Capacity Charges:							
1. Schedule E (82 MW)	\$650,740	\$650,740	\$650,740	\$650,740	\$650,740	\$650,740	\$3,904,440
2. Seminole Fertilizer Qualifying Facility	263,055	243,672	243,672	265,824	271,362	276,900	1,564,485
3. Schedule F Capacity Sales	0	0	0	0	0	0	0
4. Subtotal - Base Level Capacity Charges	\$913,795	\$894,412	\$894,412	\$916,564	\$922,102	\$927,640	\$5,468,925
5. Base Production Jurisdictional Responsibility	93.005%	93.005%	93.005%	93.005%	93.005%	93.005%	93.005%
6. Base Level Jurisdictional Capacity Charges	\$849,875	\$831,848	\$831,848	\$852,450	\$857,601	\$862,752	\$5,086,374
Intermediate Production Level Capacity Charges:							
7. Schedule E (318 MW)	\$2,523,613	\$2,523,613	\$2,523,613	\$2,523,613	\$2,523,613	\$2,523,613	\$15,141,678
8. Schedule F Capacity Charges	0	0	0	0	0	0	\$0
9. TECO Power Purchase	\$268,291	\$301,204	\$376,065	\$394,387	\$395,903	\$371,600	\$2,107,450
10. Bay County Qualifying Facility	0	76,230	76,230	76,230	76,230	76,230	\$381,150
11. Dade County Qualifying Facility	519,010	519,010	519,010	519,010	519,010	519,010	\$3,114,060
12. Timber Energy Qualifying Facility	237,174	249,939	249,939	249,939	249,939	249,939	\$1,486,869
13. Lake Cogen Qualifying Facility	0	0	0	1,386,480	1,257,917	1,386,480	\$4,030,877
14. Pasco Cogen Qualifying Facility	0	0	0	1,386,480	1,329,631	1,386,480	\$4,102,591
15. Other Capacity Sales(Sch H)	(58,749)	(28,208)	(29,002)	(28,361)	(28,361)	(34,426)	(\$207,107)
16. Subtotal - Intermediate Level Capacity Charges	\$3,489,339	\$3,641,788	\$3,715,855	\$6,507,778	\$6,323,882	\$6,478,926	\$30,157,568
17. Intermediate Production Jurisdiction. Responsibility	85.163%	85.163%	85.163%	85.163%	85.163%	85.163%	85.163%
18. Intermediate Level Jurisdiction. Capacity Charges	\$2,971,626	\$3,101,456	\$3,164,534	\$5,542,219	\$5,385,608	\$5,517,647	\$25,683,090
19. Sebring Base Rate Credit	203,500	242,659	283,360	303,690	359,552	344,233	\$1,736,994
20. Jurisdictional Capacity Charges (line 6 + 18 - 19)	\$3,618,001	\$3,690,645	\$3,713,022	\$6,090,979	\$5,883,657	\$6,036,166	\$29,032,470
21. Capacity Cost Recovery Revenues (net of tax)	\$4,264,483	\$4,222,649	\$5,312,639	\$6,053,312	\$6,834,748	\$6,356,102	\$33,043,933
21a. Gross Receipts Tax Adjustment (thru Mar 93)	0	0	0	0	0	0	0
22. Prior Period True-Up Provision	(277,140)	(277,140)	(277,140)	(277,140)	(277,140)	(277,138)	(1,662,838)
23. Current Period Capacity Cost Recovery Revenues (net of tax) (sum of lines 21 through 22)	\$3,987,343	\$3,945,509	\$5,035,499	\$5,776,172	\$6,557,608	\$6,078,964	\$31,381,095
24. True-Up Provision - Over/(Under) Recovery (line 23 - line 20)	\$369,342	\$254,864	\$1,322,477	(\$314,807)	\$673,951	\$42,798	\$2,348,625
25. Interest Provision (from sheet 2)	(2,940)	(1,396)	1,397	3,471	4,637	6,362	11,531
26. Current Cycle Balance (line 24 + line 25)	366,402	619,870	1,943,744	1,632,408	2,310,996	2,360,156	2,360,156
26. Prior Period Ending Balance	(1,446,627)	(1,446,627)	(1,446,627)	(1,446,627)	(1,446,627)	(1,446,627)	(1,446,627)
27. Prior Period True-Up Provision Cumulative	277,140	554,280	831,420	1,108,560	1,385,700	1,662,838	1,662,838
28. Other:	0	0	0	0	0	0	0
29. End of Period True-Up (lines 24 through 28)	(\$803,085)	(\$272,477)	\$1,328,537	\$1,294,341	\$2,250,069	\$2,576,367	\$2,576,367

**CAPACITY COST RECOVERY CLAUSE
CALCULATION OF INTEREST PROVISION
FOR THE PERIOD APRIL THROUGH SEPTEMBER 1993**

Description	(a) April	(b) May	(c) June	(d) July	(e) August	(f) September	(g) Cumulative
1. Beginning True-Up	(\$1,446,627)	(\$803,085)	(\$272,477)	\$1,328,537	\$1,294,341	\$2,250,069	n/a
2. Ending True-Up	(800,145)	(271,081)	1,327,140	1,290,870	2,245,432	2,570,005	n/a
3. Total True-Up (line 1 + line 2)	(\$2,246,772)	(\$1,074,166)	\$1,054,663	\$2,619,407	\$3,539,773	\$4,820,074	n/a
4. Average True-Up (50% of line 3)	(\$1,123,386)	(\$537,083)	\$527,332	\$1,309,704	\$1,769,887	\$2,410,037	n/a
5. Interest Rate - First Day of Reporting Month	3.190%	3.090%	3.160%	3.200%	3.150%	3.140%	n/a
6. Interest Rate - First Day of Subsequent Month	3.090%	3.160%	3.200%	3.150%	3.140%	3.190%	n/a
7. Total Interest (line 5 + line 6)	6.280%	6.250%	6.360%	6.350%	6.290%	6.330%	n/a
8. Average Interest Rate (50% of line 7)	3.140%	3.125%	3.180%	3.175%	3.145%	3.165%	n/a
9. Monthly Average Interest Rate (line 8 / 12)	0.2617%	0.260%	0.265%	0.265%	0.262%	0.264%	n/a
10. Interest Provision (line 4 x line 9)	(\$2,940)	(\$1,396)	\$1,397	\$3,471	\$4,637	\$6,362	\$11,531

CAPACITY COST RECOVERY CLAUSE
SUMMARY OF FINAL TRUE-UP AMOUNT
FOR THE PERIOD APRIL THROUGH SEPTEMBER 1993

	Actual	Original Estimate	Variance
1. Estimated Capacity Cost Recovery Revenues Applied to the Capacity Cost Recovery Factor	\$31,381,095	\$30,880,287	\$500,808
2. Jurisdictional Capacity Charges	\$29,032,470	\$30,880,287	(\$1,847,817)
3. Plus/(Minus) Interest Provision	\$11,531	\$0	\$11,531
Subtotal current period recovery	\$2,360,156	\$0	\$2,360,156
4. True-up and Interest Provision for the period Nov. 1992 through Mar. 1993	(1,446,627)	0	(1,446,627)
5. Prior Period True-up Collected	1,662,838	0	1,662,838
6. End-of-period True-up - Over/(Under) Recovery for the April through September 1993 Period line 1 - line 2 + line 3 + line 4 + line 5	\$2,576,367	\$0	\$2,576,367

Note:

The Capacity Cost Recovery True-up and interest calculation is consistent with the procedures established by the Commission as set forth on Schedule A-2, "Calculation of True-Up and Interest Provision" for the Fuel Cost Recovery Clause.

**EXHIBITS TO THE TESTIMONY OF
KARL H. WIELAND**

**Fuel Cost Recovery Clause
Final True-Up Amount
April 1993 through September 1993**

SCHEDULES A1 through A12 (KHW-3)

FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
PERIOD TO DATE - SEPTEMBER 1993

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	256,881,449	258,516,390	363,059	0.1	14,040,595	14,579,910	(539,315)	(3.7)	1.8438	1.7731	0.0707	4.0
2 SPENT NUCLEAR FUEL DISPOSAL COST	2,560,508	2,310,744	249,762	10.8	2,717,239	2,471,388	245,853	10.0	0.0942	0.0935	0.0007	0.8
3 COAL CAR INVESTMENT	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	(9,834)	(4,918,000)	4,908,066	(98.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4a ADJUSTMENTS TO FUEL COST - DISPOSAL COST REFUND	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
5 TOTAL COST OF GENERATED POWER	261,432,021	255,911,134	5,520,887	2.2	14,040,595	14,579,910	(539,315)	(3.7)	1.8620	1.7552	0.1068	6.1
6 ENERGY COST OF PURCHASED POWER - FIRM (SCH A8)	18,888	500	18,188	3,233.8	800	7	593	8,471.4	2.7782	7.1429	(4.3647)	(81.1)
7 ENERGY COST OF SCH C,X ECONOMY PURCHASES - BROKER (SCH A9)	37,738,835	14,143,300	23,595,335	188.8	1,214,124	490,000	724,124	147.8	3.1081	2.8884	0.2217	7.7
8 ENERGY COST OF ECONOMY PURCHASES - NON-BROKER (SCH A9)	200,403	483,545	(283,142)	(56.8)	12,805	23,580	(10,775)	(45.7)	1.5850	1.9658	(0.4008)	(20.4)
9 ENERGY COST OF SCH E PURCHASES (SCH A9)	9,419,032	13,744,770	(4,325,738)	(31.5)	353,998	558,387	(202,389)	(38.4)	2.8808	2.4705	0.1903	7.7
10 CAPACITY COST OF SCH E PURCHASES (SCH A9)	0	0	0	0.0	353,998	558,387	(202,389)	(38.4)	0.0000	0.0000	0.0000	0.0
11 PAYMENTS TO QUALIFYING FACILITIES (SCH A8a)	38,750,255	26,504,910	10,245,845	38.7	1,289,558	1,106,844	179,912	18.2	2.8498	2.3888	0.4612	19.3
12 TOTAL COST OF PURCHASED POWER	84,122,984	54,858,725	29,266,289	53.4	2,871,083	2,179,598	691,485	31.7	2.9300	2.5188	0.4132	16.4
13 TOTAL AVAILABLE MWH					18,911,878	18,758,508	152,170	0.9				
14 FUEL COST OF ECONOMY SALES (BROKER) (SCH A7a)	(2,785,188)	(5,587,200)	2,802,034	(50.3)	(188,159)	(290,000)	121,841	(42.0)	1.8444	1.9187	(0.2753)	(14.3)
14a GAIN ON ECONOMY SALES (BROKER) - 80% (SCH A7a)	(355,113)	(580,000)	224,887	(38.8)	(188,159)	(290,000)	121,841	(42.0)	0.2112	0.2000	0.0112	5.8
15 FUEL COST OF OTHER POWER SALES (SCH A7)	(284,822)	0	(284,822)	0.0	(8,482)	0	(8,482)	0.0	3.3859	0.0000	3.3859	0.0
15a GAIN ON OTHER POWER SALES - 100% (SCH A7b)	(482,914)	0	(482,914)	0.0	(8,482)	0	(8,482)	0.0	5.4705	0.0000	5.4705	0.0
16 FUEL COST OF SEMINOLE BACK-UP SALES (SCH A7)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
16a GAIN ON SEMINOLE BACK-UP SALES - 100% (SCH A7b)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
17 FUEL COST OF SUPPLEMENTAL SALES	(9,780,505)	(4,747,800)	(5,032,705)	108.0	(308,087)	(268,840)	(11,427)	3.9	3.1748	1.8095	1.5743	98.4
18 TOTAL FUEL COST AND GAINS ON POWER SALES	(13,848,520)	(10,895,000)	(2,753,520)	25.3	(484,888)	(588,840)	101,952	(17.4)	2.8159	1.8572	0.9587	51.8
19 NET INADVERTENT INTERCHANGE (SCH A10)					35,890	0	35,890					
20 TOTAL FUEL AND NET POWER TRANSACTIONS	331,908,495	299,872,859	32,033,838	10.7	18,482,890	18,172,888	289,812	1.8	2.0181	1.8542	0.1619	8.7
21 NET UNBILLED (SCH A4)	12,878,882	7,518,814	5,358,048	71.3	(838,887)	(405,497)	(233,190)	57.5	0.0870	0.0515	0.0355	68.9
22 COMPANY USE (SCH A4)	2,042,243	1,752,183	290,060	18.8	(101,298)	(94,500)	(6,798)	7.2	0.0138	0.0120	0.0018	15.0
23 T & D LOSSES (SCH A4)	18,588,420	19,849,212	(1,262,792)	(8.5)	(920,901)	(1,070,518)	149,815	(14.0)	0.1254	0.1359	(0.0105)	(7.7)
24 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 2 OF 4)	331,908,495	299,872,859	32,033,838	10.7	14,801,798	14,802,355	199,441	1.4	2.2423	2.0538	0.1887	9.2
25 WHOLESALE KWH SALES (EXCLUDING SUPPLEMENTAL SALES)	(12,838,583)	(11,384,454)	(1,274,109)	11.2	(570,957)	(554,509)	(16,448)	3.0	2.2138	2.0495	0.1841	8.0
26 JURISDICTIONAL KWH SALES (SCH A2 PG 2 OF 4)	319,287,932	288,508,405	30,759,527	10.7	14,230,839	14,047,848	182,993	1.3	2.2435	2.0538	0.1897	9.2
27 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00140	319,897,834	288,854,818	30,843,216	10.7	14,230,839	14,047,848	182,993	1.3	2.2485	2.0562	0.1903	9.3
28 PRIOR PERIOD TRUE-UP	14,878,498	14,878,498	0	0.0	14,230,839	14,047,848	182,993	1.3	0.1031	0.1045	(0.0014)	(1.3)
28a MARKET PRICE TRUE-UP	0	0	0	0.0	14,230,839	14,047,848	182,993	1.3	0.0000	0.0000	0.0000	0.0
29 TOTAL JURISDICTIONAL FUEL COST	334,378,330	303,533,114	30,843,216	10.2	14,230,839	14,047,848	182,993	1.3	2.3498	2.1807	0.1689	8.7
30 REVENUE TAX FACTOR									1.00083	1.00083	0.0000	0.0
31 FUEL COST ADJUSTED FOR TAXES									2.3518	2.1825	0.1891	8.7
32 GPIF	1,210,008	1,211,010			14,230,839	14,047,848			0.0085	0.0088	(0.0001)	(1.2)
33 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									2.380	2.171	0.189	8.7

CALCULATION OF TRUE-UP AND INTEREST PROVISION
FLORIDA POWER CORPORATION
SEPTEMBER 1993

SCHEDULE A2
PAGE 1 OF 4

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
A . FUEL COSTS AND NET POWER TRANSACTIONS								
1. FUEL COST OF SYSTEM NET GENERATION	\$46,378,002	\$42,888,715	\$3,489,287	8.1	\$258,881,449	\$258,518,390	\$363,059	0.1
1a. NUCLEAR FUEL DISPOSAL COST	451,868	447,139	4,729	1.1	2,560,506	2,310,744	249,762	10.8
2. FUEL COST OF POWER SOLD	(743,820)	(1,002,000)	258,180	(25.8)	(3,049,988)	(5,567,200)	2,517,212	(45.2)
2a. GAIN ON POWER SALES	(419,226)	(100,000)	(319,226)	319.2	(818,027)	(580,000)	(238,027)	41.0
3. FUEL COST OF PURCHASED POWER	787	110	677	0.0	16,669	500	16,169	0.0
3a. ENERGY PAYMENTS TO QUALIFYING FAC.	6,789,004	5,959,778	829,226	13.9	36,750,257	26,504,610	10,245,647	38.7
3b. DEMAND & NON FUEL COST OF PURCH POWER	0	0	0	0.0	0	0	0	0.0
4. ENERGY COST OF ECONOMY PURCHASES	6,373,006	6,959,006	(586,000)	(8.4)	47,356,070	28,351,615	19,004,455	67.0
5. TOTAL FUEL & NET POWER TRANSACTIONS	58,829,621	55,152,748	3,676,873	6.7	341,896,936	309,538,659	32,158,277	10.4
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF SUPPLEMENTAL SALES	(4,460,620)	(1,397,300)	(3,063,320)	219.2	(9,780,505)	(4,747,800)	(5,032,705)	106.0
6b. OTHER - JURISDICTIONAL ADJUSTMENTS	(4,837)	(5,093,000)	5,088,163	(99.9)	(9,934)	(4,918,000)	4,908,066	(99.8)
6c. OTHER - DISPOSAL COST REFUND	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$54,364,164	\$48,662,448	\$5,701,716	11.7	\$331,906,497	\$299,872,859	\$32,033,638	10.7

CALCULATION OF TRUE-UP AND INTEREST PROVISION
 FLORIDA POWER CORPORATION
 SEPTEMBER 1993

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
D . TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE (LINE B1c)	\$58,427,048	\$49,454,701	\$8,972,347	18.1	\$307,376,158	\$304,742,492	\$2,633,666	0.9
2. ADJUSTMENTS: GROSS RECEIPTS TAX	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(2,446,416)	(2,446,416)	0	0.0	(14,678,496)	(14,678,496)	0	0.0
2b. INCENTIVE PROVISION	(201,668)	(201,668)	0	0.0	(1,210,008)	(1,210,008)	0	0.0
2c. OTHER: MARKET PRICE TRUE UP	0	0	0	0.0	0	0	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	55,778,984	46,806,617	8,972,347	19.2	291,487,654	288,853,988	2,633,666	0.9
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	54,364,164	48,662,448	5,701,716	11.7	331,906,497	299,872,859	32,033,638	10.7
5. JURISDICTIONAL SALES % OF TOT SALES (LINE C4)	95.34	96.11	(0.77)	(0.8)				
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE D4 * LINE D5 * .14%)	51,903,357	46,825,602	5,077,755	10.8	319,697,834	288,853,988	30,843,846	10.7
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE D3 - D6)	3,875,607	(18,985)	3,894,592	0.0	(28,210,180)	0	(28,210,180)	0.0
8. INTEREST PROVISION FOR THE MONTH (LINE E10)	(84,308)				(419,858)			
9. TRUE UP & INT PROVISION BEG OF MONTH/PERIOD	(35,095,888)				(14,906,629)			
10. TRUE UP COLLECTED (REFUNDED)	2,446,416				14,678,496			
11. END OF PERIOD TOTAL NET TRUE UP (LINES D7 + D8 + D9 + D10)	(28,858,173)				(28,858,171)			
12. OTHER:	0				0			
13. END OF PERIOD TOTAL NET TRUE UP (LINES D11 + D12)	(28,858,173)				(28,858,171)			

CALCULATION OF TRUE-UP AND INTEREST PROVISION
 FLORIDA POWER CORPORATION
 SEPTEMBER 1993

SCHEDULE A2
 PAGE 4 OF 4

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
E . INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE D9)	(\$35,095,888)	N/A	--	--				
2. ENDING TRUE UP (LINES D7 + D9 + D10)	(28,773,865)	N/A	--	--				NOT
3. TOTAL OF BEGINNING & ENDING TRUE UP	(63,869,753)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE E3)	(31,934,877)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	3.140	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	3.190	N/A	--	--				
7. TOTAL (LINE E5 + LINE E6)	6.330	N/A	--	--				APPLICABLE
8. AVERAGE INTEREST RATE (50% OF LINE E7)	3.165	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE E8/12)	0.264	N/A	--	--				
10. INTEREST PROVISION (LINE E4 * LINE E9)	(\$84,308)	N/A	--	--				

APR - SEP, 1993
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
FLORIDA POWER CORPORATION

SCHEDULE A-3 (3)

FUEL COST OF SYSTEM		ACTUAL	ESTIMATED	DIFFERENCE	
				AMOUNT	%
NET GENERATION (\$)					
1	HEAVY OIL	82,892,015	84,627,346	-1,735,331	-2.1
2	LIGHT OIL	15,960,499	9,542,257	6,418,242	67.3
3	COAL	143,407,728	152,197,218	-8,789,490	-5.8
4	GAS	2,178,516	0	2,178,516	0.0
5	NUCLEAR	14,442,691	12,151,569	2,291,122	18.9
6	OTHER	0	0	0	0.0
7	OTHER	0	0	0	0.0
8	TOTAL (\$)	258,881,449	258,518,390	363,059	0.1
SYSTEM NET GENERATION (MWH)					
9	HEAVY OIL	3,406,317	3,604,040	-197,723	-5.5
10	LIGHT OIL	222,080	128,670	93,410	72.6
11	COAL	7,643,970	8,375,814	-731,844	-8.7
12	GAS	50,990	0	50,990	0.0
13	NUCLEAR	2,717,239	2,471,386	245,853	9.9
14	OTHER	0	0	0	0.0
15	OTHER	0	0	0	0.0
16	TOTAL (MWH)	14,040,596	14,579,910	-539,314	-3.7
UNITS OF FUEL BURNED					
17	HEAVY OIL (BBL)	5,577,477	5,769,647	-192,170	-3.3
18	LIGHT OIL (BBL)	605,913	356,860	249,053	69.8
19	COAL (TON)	2,938,740	3,174,236	-235,496	-7.4
20	GAS (MCF)	605,947	0	605,947	0.0
21	NUCLEAR (MM BTU)	28,776,204	25,854,406	2,921,798	11.3
22	OTHER (TONS)	0	0	0	0.0
23	OTHER (BBL)	0	0	0	0.0
BTUS BURNED (MILLION BTU)					
24	HEAVY OIL	35,574,521	36,348,784	-774,263	-2.1
25	LIGHT OIL	3,557,449	2,069,786	1,487,663	71.9
26	COAL	73,516,681	79,713,837	-6,197,156	-7.8
27	GAS	622,233	0	622,233	0.0
28	NUCLEAR	28,776,204	25,854,406	2,921,798	11.3
29	OTHER	0	0	0	0.0
30	OTHER	0	0	0	0.0
31	TOTAL (MILLION BTU)	142,047,088	143,986,813	-1,939,725	-1.3
GENERATION MIX (% MWH)					
32	HEAVY OIL	24.2	24.7	-0.5	-2.0
33	LIGHT OIL	1.6	0.9	0.7	77.8
34	COAL	54.4	57.4	-3.0	-5.2
35	GAS	0.4	0.0	0.4	0.0
36	NUCLEAR	19.4	17.0	2.4	14.1
37	OTHER	0.0	0.0	0.0	0.0
38	OTHER	0.0	0.0	0.0	0.0
39	TOTAL (%)	100.0	100.0	0.0	0.0

APR - SEP, 1993
 GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
 FLORIDA POWER CORPORATION

SCHEDULE A-3 (4)

FUEL COST OF SYSTEM		DIFFERENCE			
		ACTUAL	ESTIMATED	AMOUNT	%
FUEL COST PER UNIT					
40	HEAVY OIL (\$/BBL)	14.86	14.67	0.19	1.3
41	LIGHT OIL (\$/BBL)	26.34	26.74	-0.40	-1.5
42	COAL (\$/TON)	48.80	47.95	0.85	1.8
43	GAS (\$/MCF)	3.60	0.00	3.60	0.0
44	NUCLEAR (\$/MILLION BTU)	0.50	0.47	0.03	6.4
45	OTHER (\$/TONS)	0.00	0.00	0.00	0.0
46	OTHER (\$/BBL)	0.00	0.00	0.00	0.0
FUEL COST PER MILLION BTU (\$/MILLION BTU)					
47	HEAVY OIL	2.33	2.33	0.00	0.0
48	LIGHT OIL	4.49	4.61	-0.12	-2.6
49	COAL	1.95	1.91	0.04	2.1
50	GAS	3.50	0.00	3.50	0.0
51	NUCLEAR	0.50	0.47	0.03	6.4
52	OTHER	0.00	0.00	0.00	0.0
53	OTHER	0.00	0.00	0.00	0.0
54	SYSTEM (\$/MILLION BTU)	1.82	1.80	0.02	1.1
BTU BURNED PER KWH (BTU/KWH)					
55	HEAVY OIL	10,444	10,086	358	3.5
56	LIGHT OIL	16,019	16,086	-67	-0.4
57	COAL	9,618	9,517	101	1.1
58	GAS	12,203	0	12,203	0.0
59	NUCLEAR	10,590	10,462	128	1.2
60	OTHER	0	0	0	0.0
61	OTHER	0	0	0	0.0
62	SYSTEM (BTU/KWH)	10,117	9,876	241	2.4
GENERATED FUEL COST PER KWH (CENTS/KWH)					
63	HEAVY OIL	2.43	2.35	0.08	3.4
64	LIGHT OIL	7.19	7.42	-0.23	-3.1
65	COAL	1.88	1.82	0.06	3.3
66	GAS	4.27	0.00	4.27	0.0
67	NUCLEAR	0.53	0.49	0.04	8.2
68	OTHER	0.00	0.00	0.00	0.0
69	OTHER	0.00	0.00	0.00	0.0
70	SYSTEM (CENTS/KWH)	1.84	1.77	0.07	4.0

	CURRENT MONTH				PERIOD TO DATE				
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	
MWH									
1 . SYSTEM NET GENERATION	2,509,460	2,461,686	47,774	1.9	14,040,595	14,579,910	(539,315)	(3.7)	
2 . POWER SOLD	(157,992)	(137,303)	(20,689)	15.1	(484,688)	(586,640)	101,952	(17.4)	
3 . INADVERTENT INTERCHANGE DELIVERED	(755,787)	0	(755,787)	0.0	(4,575,619)	0	(4,575,619)	0.0	
4 . PURCHASED POWER	11	1	10	0.0	600	5	595	0.0	
4a . ENERGY PURCHASES FOR QUALIFYING FACILITIES	251,044	247,722	3,322	1.3	1,289,556	1,109,644	179,912	16.2	
5 . ECONOMY PURCHASES	218,094	255,393	(37,299)	(14.6)	1,580,927	1,069,947	510,980	47.8	
6 . INADVERTENT INTERCHANGE RECEIVED	781,506	0	781,506	0.0	4,611,309	0	4,611,309	0.0	
7 . NET ENERGY FOR LOAD	2,826,336	2,827,499	(1,163)	(0.0)	16,462,680	16,172,866	289,814	1.8	
8 . SALES	2,952,325	2,893,462	58,863	2.0	15,109,864	14,898,995	210,869	1.4	
8a . SUPPLEMENTAL SALES	(117,687)	(87,303)	(30,384)	34.8	(308,067)	(296,640)	(11,427)	3.9	
8b . ADJUSTED SYSTEM SALES	2,834,638	2,806,159	28,479	1.0	14,801,797	14,602,355	199,442	1.4	
9 . COMPANY USE	20,867	15,750	5,117	32.5	101,296	94,500	6,796	7.2	
10 . T&D LOSSES AND BILLING LAG	(29,169)	5,590	(34,759)	(821.8)	1,559,587	1,478,011	83,576	5.7	
11 . UNACCOUNTED FOR ENERGY	0	0	0	0.0	0	0	0	0.0	
12 .									
13 . % COMPANY USE TO NEL	0.7%	0.6%	0.1%	16.7	0.6%	0.6%	0.0%	0.0	
14 . % T&D LOSSES AND BILLING LAG TO NEL	-1.0%	0.2%	-1.2%	(600.0)	9.5%	9.1%	0.4%	4.4	
15 . % UNACCOUNTED FOR ENERGY TO NEL	0.0%	0.0%	0.0%	0.0	0.0%	0.0%	0.0%	0.0	
DOLLARS									
16 . FUEL COST OF SYSTEM NET GENERATION	\$46,378,002	\$42,888,715	\$3,489,287	8.1	\$258,881,449	\$258,518,390	\$363,059	0.1	
16a . NUCLEAR FUEL DISPOSAL COST	451,868	447,139	4,729	1.1	2,560,506	2,310,744	249,762	10.8	
16b . ADJUSTMENTS TO FUEL COST	(4,837)	(5,093,000)	5,088,163	(99.9)	(9,934)	(4,918,000)	4,908,066	(99.8)	
17 . FUEL COST OF POWER SOLD	(743,620)	(1,002,000)	258,180	(25.8)	(3,049,988)	(5,567,200)	2,517,212	(45.2)	
17a . FUEL COST OF SUPPLEMENTAL SALES	(4,460,620)	(1,397,300)	(3,063,320)	219.2	(9,780,505)	(4,747,800)	(5,032,705)	106.0	
17b . GAIN ON POWER SALES	(419,226)	(100,000)	(319,226)	319.2	(818,027)	(580,000)	(238,027)	41.0	
18 . ENERGY COST OF PURCHASED POWER	787	110	677	0.0	16,669	500	16,169	0.0	
18a . CAPACITY COST OF SCH E PURCHASES	0	0	0	0.0	0	0	0	0.0	
18b . ENERGY PAYMENTS TO QUALIFYING FAC.	6,789,004	5,959,778	829,226	13.9	36,750,257	26,504,610	10,245,647	38.7	
19 . ENERGY COST OF ECONOMY PURCHASES	6,373,006	6,959,006	(586,000)	(8.4)	47,356,070	28,251,615	19,004,455	67.0	
20 . TOTAL FUEL & NET POWER TRANSACTIONS	\$54,364,164	\$48,662,448	\$5,701,716	11.7	\$331,906,497	\$299,872,859	\$32,033,638	10.7	
C/KWH									
21 . FUEL COST OF SYSTEM NET GENERATION	1.85	1.74	0.11	6.3	1.84	1.77	0.07	4.0	
21a . FUEL COST OF SUPPLEMENTAL SALES	3.79	1.60	2.19	136.9	3.17	1.60	1.57	98.1	
22 . FUEL COST OF POWER SOLD	1.85	2.00	(0.15)	(7.5)	1.73	1.92	(0.19)	(9.9)	
23 . ENERGY COST OF PURCHASED POWER	7.15	11.00	(3.85)	(35.0)	2.78	10.00	(7.22)	0.0	
23a . CAPACITY COST OF SCH E PURCHASES									
23b . ENERGY PAYMENTS TO QUALIFYING FAC.	2.70	2.41	0.29	12.0	2.85	2.39	0.46	19.3	
24 . ENERGY COST OF ECONOMY PURCHASES	2.92	2.72	0.20	7.4	3.00	2.65	0.35	13.2	
25 . TOTAL FUEL & NET POWER TRANSACTIONS	1.92	1.72	0.20	11.6	2.02	1.85	0.17	9.2	

APR - SEP, 1993
SYSTEM NET GENERATION AND FUEL COST
FLORIDA POWER CORPORATION

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC (%)	EQUIV AVAIL FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
CR3 UNIT NO. 3	743	2,717,238.59	83			10,591	#2 NF	311 28,776,204	5,800,000	1,805 28,776,204	8,536 17,003,197	0.626	27.447 0.591
TOTAL NUCLEAR	743	2,717,238.59				10,591				28,778,009	17,011,733	0.626	

ANCLOTE UNIT NO. 1	511	933,078.70	42			10,177	H6 #2	1,469,420 16,131	6,396,986	9,399,858 95,625	22,199,823 401,345	2.422	15.108 24.880
UNIT NO. 2	511	1,141,699.90	51			10,184	H6 #2	1,805,434 13,375	6,396,372	11,548,228 79,287	27,529,365 332,523	2.440	15.248 24.862
AVONPARK UNIT NO. 2	0		0										
BARTOW UNIT NO. 1	107	276,070.40	59			10,783	H6 #2	469,463 292	6,337,280	2,975,118 1,694	5,978,652 7,463	2.168	12.735 25.558
UNIT NO. 2	117	296,904.60	58			10,225	H6	478,941	6,338,847	3,035,934	6,192,375	2.086	12.929
UNIT NO. 3	210	244,614.50	27			10,103	H6	390,593	6,327,083	2,471,315	4,768,713	1.949	12.209
CR1&2 UNIT NO. 1	372	1,272,690.70	78			10,170	#2 CA	6,972 528,741	5,899,233	41,129 12,201	178,600 24,734,191	1.957	25.617 46.779
UNIT NO. 2	468	1,504,390.70	73			10,197	#2 CA	8,189 627,629	5,899,233	48,310 12,186	210,256 29,377,556	1.967	25.675 46.807
CR4&5 UNIT NO. 4	697	2,208,246.70	72			9,364	#2 CD	9,779 811,055	5,908,004	57,775 12,712	253,787 20,620,239	1.853	25.952 50.139
UNIT NO. 5	697	2,658,641.60	87			9,326	#2 CD	15,413 971,531	5,906,626	91,040 12,714	396,232 48,630,255	1.844	25.708 50.055
HIGGINS UNIT NO. 1	39	50,291.00	29			12,614	H6 #2	99,271 84	6,385,342	633,880 497	1,561,479 2,287	3.109	15.729 27.226
UNIT NO. 2	41	54,104.00	30			12,581	H6 #2	106,518 79	6,385,702	680,192 467	1,668,560 2,151	3.088	15.665 27.228
UNIT NO. 3	39	57,834.00	34			12,557	H6	113,723	6,386,030	726,239	1,775,989	3.071	15.617
SUWANNEE UNIT NO. 1	33	39,103.00	27			13,081	H6 #2 GS	80,288 215	6,355,484	510,270 1,248	1,356,258 5,527	3.495	16.892 25.707
UNIT NO. 2	32	39,789.00	28			13,212	H6 #2	82,498 201	6,358,082	524,528 1,166	1,380,639 5,166	3.483	16.735 25.701

APR - SEP, 1993
 SYSTEM NET GENERATION AND FUEL COST
 FLORIDA POWER CORPORATION

SCHEDULE A-5 (6)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC (%)	EQUIV AVAIL FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
UNITS	1	0	0.0	0			GS				500,483		
TOTAL													
GAS TURB	1727	223,673.50				14,122				3,158,631	14,719,788	6.581	

SYSTEM													
TOTAL	6565	14040595.89				10,117				142047088	261441956	1.862	

APR - SEP, 1988
SYSTEM GENERATION FUEL COST
FLORIDA POWER CORPORATION

SCHEDULE A-B (4)

HEAVY OIL
PURCHASES
UNITS (MM)
UNIT COST (\$/MMBTU)
GROSS (\$)
NET (\$)

ACTUAL ESTIMATED DIFFERENCE
AMOUNT %

ACTUAL ESTIMATED DIFFERENCE AMOUNT %

ACTUAL ESTIMATED DIFFERENCE AMOUNT %

ACTUAL ESTIMATED DIFFERENCE AMOUNT %

ACTUAL ESTIMATED DIFFERENCE AMOUNT %

APR - SEP, 1993
SYSTEM GENERATION FUEL COST
FLORIDA POWER CORPORATION

SCHEDULE A-6 (5)

	ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%
COAL				
35 PURCHASES				
36 UNITS (TON)				
37 UNIT COST (\$/TON)	2,717,878	2,868,000	-150,122	-5.2
38 AMOUNT (\$)	49.07	48.03	1.04	2.2
39 BURNED	133,376,155	137,760,950	-4,384,795	-3.2
40 UNITS (TON)				
41 UNIT COST (\$/TON)	2,938,740	3,174,236	-235,496	-7.4
42 AMOUNT (\$)	48.80	47.95	0.85	1.8
43 ADJUSTMENTS	143,407,728	152,197,218	-8,789,490	-5.8
44 UNITS (TON)				
45 AMOUNT (\$)	0			
46 ENDING INVENTORY	-4,249			
47 UNITS (TON)				
48 UNIT COST (\$/TON)	608,647	628,331	-19,684	-3.1
49 AMOUNT (\$)	49.71	48.40	1.31	2.7
50	30,258,751	30,411,812	-153,061	-0.5
51 DAYS SUPPLY	0	0	0	0.0
OTHER				
52 PURCHASES				
53 UNITS (BBL)				
54 UNIT COST (\$/BBL)	0	0	0	0.0
55 AMOUNT (\$)	0.00	0.00	0.00	0.0
56 BURNED	0	0	0	0.0
57 UNITS (BBL)				
58 UNIT COST (\$/BBL)	0	0	0	0.0
59 AMOUNT (\$)	0.00	0.00	0.00	0.0
60 ENDING INVENTORY	0	0	0	0.0
61 UNITS (BBL)				
62 UNIT COST (\$/BBL)	0	0	0	0.0
63 AMOUNT (\$)	0.00	0.00	0.00	0.0
64	0	0	0	0.0
65 DAYS SUPPLY	0	0	0	0.0
GAS				
66 BURNED				
67 UNITS (MCF)				
68 UNIT COST (\$/MCF)	605,947	0	605,947	0.0
69 AMOUNT (\$)	3.60	0.00	3.60	0.0
	2,178,516	0	2,178,516	0.0
NUCLEAR				
70 BURNED				
71 UNITS (MM BTU)				
72 UNIT COST (\$/MM BTU)	28,776,204	25,854,416	2,921,788	11.3
73 AMOUNT (\$)	0.50	0.47	0.03	6.4
	14,442,691	12,151,569	2,291,122	18.9

NOTE: PURCHASE DOLLARS AND UNITS DO NOT INCLUDE PLANT TO PLANT TRANSFERS

FLORIDA POWER CORPORATION
SCHEDULE A7(1)

POWER SOLD
FOR THE PERIOD OF:
APRIL 1993 - SEPTEMBER 1993

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SOLD TO	TYPE & SCHEDULE	TOTAL KWH SOLD (000)	KWH WHEELE FROM OTHER SYSTEMS (000)	KWH FROM OWN GENERATION (000)	FUEL COST C/KWH	TOTAL COST C/KWH	FUEL ADJ. TOTAL \$
ESTIMATED		290,000	0	290,000	1.920	2.170	5,567,200
ACTUAL:							
FLORIDA MUNICIPAL POWER AUTH.	ECONOMY-C	10,880	0	10,880	1.573	1.857	171,120
FLORIDA POWER & LIGHT	ECONOMY-C	108,135	0	108,135	1.464	1.651	1,583,341
FORT PIERCE	ECONOMY-C	418	0	418	1.534	2.113	6,411
VERO BEACH	ECONOMY-C	426	0	426	1.496	2.162	6,374
LAKE WORTH	ECONOMY-C	97	0	97	1.469	2.429	1,425
NEW SMYRNA BEACH	ECONOMY-C	0	0	0	0.000	0.000	0
HOMESTEAD	ECONOMY-C	87	0	87	1.510	2.002	1,314
JACKSONVILLE ELECT. AUTH.	ECONOMY-C	0	0	0	0.000	0.000	0
TAMPA ELECTRIC	ECONOMY-C	8,016	0	8,016	1.663	2.657	133,294
ORLANDO UTILITIES COMM.	ECONOMY-C	14,393	0	14,393	1.543	1.874	222,057
TALLHASSEE	ECONOMY-C	2,998	0	2,998	1.537	1.811	46,084
GAINESVILLE	ECONOMY-C	5,420	0	5,420	1.605	1.912	86,969
REEDY CREEK	ECONOMY-C	0	0	0	0.000	0.000	0
SOUTHERN	ECONOMY-C	1,625	0	1,625	4.472	4.763	72,667
KISSIMMEE	ECONOMY-C	4,311	0	4,311	1.616	2.089	69,672
ST. CLOUD	ECONOMY-C	2,471	0	2,471	1.788	2.324	44,191
STARKE	ECONOMY-C	124	0	124	1.497	2.981	1,856
KEY WEST	ECONOMY-C	549	0	549	1.572	2.504	8,633
SEMINOLE	ECONOMY-C	302	0	302	1.890	2.402	5,708
LAKELAND	ECONOMY-C	426	0	426	1.907	2.183	8,124
OGLETHORPE	ECONOMY-C	7,481	0	7,481	3.808	3.862	284,911
SEMINOLE	LOAD FOLLOWIN	6,087	0	6,087	2.260	2.736	137,542
SEMINOLE	BACKUP-G	0	0	0	0.000	0.000	0
TAMPA ELECTRIC	EMERGENCY-A	2,146	0	2,146	5.899	11.357	126,595
GAINESVILLE	EMERGENCY-A	0	0	0	0.000	0.000	0
FLORIDA POWER & LIGHT	EMERGENCY-A	0	0	0	0.000	0.000	0
ORLANDO UTILITIES COMM.	EMERGENCY-A	0	0	0	0.000	0.000	0
TALLHASSEE	EMERGENCY-A	0	0	0	0.000	0.000	0
SEMINOLE	EMERGENCY-A	38	0	38	6.163	8.347	2,342
LAKELAND	EMERGENCY-A	170	0	170	3.609	4.132	6,135
FLORIDA POWER & LIGHT	SCHEDULED-B	0	0	0	0.000	0.000	0
LAKELAND	SCHEDULED-B	0	0	0	0.000	0.000	0
SEMINOLE	SCHEDULED-B	0	0	0	0.000	0.000	0
REEDY CREEK	SCHEDULED-B	0	0	0	0.000	0.000	0
FORT PIERCE	ASSURED-F	0	0	0	0.000	0.000	0
VERO BEACH	ASSURED-F	0	0	0	0.000	0.000	0
HOMESTEAD	ASSURED-F	0	0	0	0.000	0.000	0
NEW SMYRNA BEACH	RESERVE-H	0	0	0	0.000	0.000	0
SEMINOLE	RESERVE-H	0	0	0	0.000	0.000	0
ST. CLOUD	REGULATION-I	21	0	21	125.233	672.067	26,299
NEW SMYRNA BEACH	REGULATION-I	0	0	0	0.000	0.000	0
REEDY CREEK	REGULATION-I	0	0	0	0.000	0.000	0
ADJUSTMENTS		0	0	0	0.000	0.000	0
SEMINOLE	LOAD FOLLOWIN	0	0	0	0.000	0.000	11,015
ORLANDO UTILITIES COMM.	EMERGENCY-A	0	0	0	0.000	0.000	(14,091)
GAINESVILLE	EMERGENCY-A	0	0	0	0.000	0.000	0
LAKELAND	EMERGENCY-A	0	0	0	0.000	0.000	0
CUMULATIVE TOTAL		176,621	0	176,621	1.727	2.188	3,049,988
DIFFERENCE		(113,379)	0	(113,379)	(0.193)	0.018	(2,517,212)
DIFFERENCE %		(39.1)	0.0	(39.1)	(10.1)	0.8	(45.2)

FLORIDA POWER CORPORATION
SCHEDULE A7a(1)

ECONOMY ENERGY SALES
FOR THE PERIOD OF:
APRIL 1993 - SEPTEMBER 1993

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SOLD TO	TYPE & SCHEDULE	TOTAL KWH SOLD (000)	FUEL COST \$	TOTAL COST \$	FUEL COST C/KWH	TOTAL COST C/KWH	80% GAIN ON ECONOMY ENERGY SALE \$
ESTIMATED		290,000	5,567,200	6,292,200	1.920	2.170	580,000
ACTUAL:							
FLORIDA MUNICIPAL POWER AUTH.	ECONOMY-C	10,880	171,120	202,031	1.573	1.857	24,729
FLORIDA POWER & LIGHT	ECONOMY-C	108,135	1,583,341	1,785,414	1.464	1.651	161,658
FORT PIERCE	ECONOMY-C	418	6,411	8,834	1.534	2.113	1,938
VERO BEACH	ECONOMY-C	426	6,374	9,212	1.496	2.162	2,270
LAKE WORTH	ECONOMY-C	97	1,425	2,356	1.469	2.429	745
NEW SMYRNA BEACH	ECONOMY-C	0	0	0	0.000	0.000	0
HOMESTEAD	ECONOMY-C	87	1,314	1,742	1.510	2.002	342
JACKSONVILLE ELECT. AUTH.	ECONOMY-C	0	0	0	0.000	0.000	0
TAMPA ELECTRIC	ECONOMY-C	8,016	133,294	213,025	1.663	2.657	63,785
ORLANDO UTILITIES COMM.	ECONOMY-C	14,393	222,057	269,729	1.543	1.874	38,138
TALLAHASSEE	ECONOMY-C	2,998	46,084	54,279	1.537	1.811	6,556
GAINESVILLE	ECONOMY-C	5,420	86,969	103,657	1.605	1.912	13,350
REEDY CREEK	ECONOMY-C	0	0	0	0.000	0.000	0
SOUTHERN	ECONOMY-C	1,625	72,667	77,400	4.472	4.763	3,786
KISSIMMEE	ECONOMY-C	4,311	69,672	90,053	1.616	2.089	16,305
ST. CLOUD	ECONOMY-C	2,471	44,191	57,414	1.788	2.324	10,578
STARKE	ECONOMY-C	124	1,856	3,697	1.497	2.981	1,473
KEY WEST	ECONOMY-C	549	8,633	13,746	1.572	2.504	4,090
SEMINOLE	ECONOMY-C	302	5,708	7,253	1.890	2.402	1,236
LAKELAND	ECONOMY-C	426	8,124	9,298	1.907	2.183	939
OGLETHORPE	ECONOMY-C	7,481	284,911	288,904	3.808	3.862	3,194
ADJUSTMENTS:							
REEDY CREEK	ECONOMY - C	0	11,015	11,015	0.000	0.000	0
CUMULATIVE TOTAL		168,159	2,765,166	3,209,059	1.644	1.908	355,114
DIFFERENCE		(121,841)	(2,802,034)	(3,083,141)	(0.276)	(0.262)	(224,886)
DIFFERENCE %		(42.0)	(50.3)	(49.0)	(14.4)	(12.1)	(38.8)

FLORIDA POWER CORPORATION
SCHEDULE A8(1)

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE PERIOD OF:
APRIL 1993 - SEPTEMBER 1993

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL KWH PURCHASED (000)	KWH FOR OTHER UTILITIES (000)	KWH FOR INTERRUPTIBLE (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		7	0	0		7	7.143	
ACTUAL								500
SEBRING	FIRM	0	0	0	0	0.000	0.000	0
GLADES	FIRM	50	0	0	50	7.161	7.161	3,595
FLORIDA POWER & LIGHT	EMERGENCY-A	175	0	0	175	20.775	20.775	36,356
FLORIDA POWER & LIGHT	SCHEDULED-B	0	0	0	0	0.000	0.000	0
SEMINOLE	SCHEDULED-B	0	0	0	0	0.000	0.000	0
JACKSONVILLE ELECTRIC	EMERGENCY-A	33	0	0	33	13.318	13.318	4,395
LAKE WORTH UTILITIES	EMERGENCY-A	16	0	0	16	13.331	13.331	2,133
TAMPA ELECTRIC	EMERGENCY-A	326	0	0	326	9.296	9.296	30,306
ADJUSTMENTS								
FLORIDA POWER & LIGHT	EMERGENCY-A	0	0	0	0	0.000	0.000	(57,302)
FLORIDA POWER & LIGHT	SCHEDULED-B	0	0	0	0	0.000	0.000	(2,814)
ORLANDO	EMERGENCY-A	0	0	0	0	0.000	0.000	0
CUMULATIVE DIFFERENCE		600			600	2.777	2.777	16,669
DIFFERENCE %		593			593	(4.366)	(4.366)	16,169
		8,474			8,474	(61)	(61)	3,234

RESIDENTIAL BILL COMPARISON
FOR THE MONTHLY USAGE OF 1000 KWH

	APRIL 1993	MAY 1993	JUNE 1993	JULY 1993	AUGUST 1993	SEPTEMBER 1993	AVERAGE
ESTIMATED							
BASE RATE REVENUES \$	47.41	47.41	47.41	47.41	47.41	47.41	47.41
FUEL RECOVERY FACTOR (C/KWH)	2.370	2.252	2.264	2.172	2.229	1.836	2.171
GROUP LOSS MULTIPLIER	1.0027	1.0027	1.0027	1.0027	1.0027	1.0027	1.0027
FUEL RECOVERY REVENUES \$	23.76	22.58	22.70	21.78	22.35	18.41	21.77
TOTAL REVENUES \$	71.17	69.99	70.11	69.19	69.76	65.82	69.18
ACTUAL							
BASE RATE REVENUES \$	46.50	46.50	46.50	46.50	46.50	46.50	46.50
FUEL RECOVERY FACTOR (C/KWH)	2.422	2.398	2.608	2.657	2.149	2.020	2.360
GROUP LOSS MULTIPLIER	1.0027	1.0027	1.0027	1.0027	1.0027	1.0027	1.0027
FUEL RECOVERY REVENUES \$	24.29	24.04	26.15	26.64	21.55	20.25	23.66
TOTAL REVENUES \$	70.79	70.54	72.65	73.14	68.05	66.75	70.16
DIFFERENCE							
BASE RATE REVENUES \$	0.91	0.91	0.91	0.91	0.91	0.91	0.91
FUEL RECOVERY REVENUES \$	0.53	1.46	3.45	4.86	(0.80)	1.84	1.89
TOTAL REVENUES \$	(0.38)	0.55	2.54	3.95	(1.71)	0.93	0.98
DIFFERENCE %							
BASE RATE REVENUES %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FUEL RECOVERY REVENUES %	2.2	6.5	15.2	22.3	(3.6)	10.0	8.7
TOTAL REVENUES %	(0.5)	0.8	3.6	5.7	(2.5)	1.4	1.4

APR - SEP, 1993
KWH SALES AND CUSTOMER DATA
FLORIDA POWER CORPORATION

SCHEDULE A-12 (2)

		ACTUAL	ESTIMATED	DIFFERENCE	
				AMOUNT	%
KWH SALES					
1	RESIDENTIAL	7,269,502,180	7,154,077,000	115,425,180	1.6
2	COMMERCIAL	4,225,451,574	4,231,016,000	-5,564,426	-0.1
3	INDUSTRIAL	1,752,845,139	1,715,543,000	37,302,139	2.2
4	STREET & HIGHWAY LIGHTING	12,626,115	12,432,000	194,115	1.6
5	OTHER SALES TO PUBLIC AUTHOR.	970,414,991	934,811,000	35,603,991	3.8
6	INTERDEPARTMENT SALES	0	0	0	0.0
7	TOTAL JURISDICTIONAL SALES	14,230,839,978	14,047,879,000	182,960,978	1.3
8	SALES FOR RESALE	879,024,347	851,149,000	27,875,347	3.3
9	TOTAL SALES	15,109,864,325	14,899,028,000	210,836,325	1.4
NUMBER OF CUSTOMERS					
10	RESIDENTIAL	1,069,917	1,064,525	5,392	0.5
11	COMMERCIAL	120,086	119,794	292	0.2
12	INDUSTRIAL	3,103	3,173	-70	-2.2
13	STREET & HIGHWAY LIGHTING	2,398	2,457	-59	-2.4
14	OTHER SALES TO PUBLIC AUTHOR.	12,401	10,200	2,201	21.6
15	INTERDEPARTMENT SALES	0	0	0	0.0
16	TOTAL JURISDICTIONAL SALES	1,207,904	1,200,148	7,756	0.6
17	SALES FOR RESALE	16	16	0	0.0
18	TOTAL SALES	1,207,920	1,200,164	7,756	0.6
KWH USE PER CUSTOMER					
19	RESIDENTIAL	6,794	6,720	74	1.1
20	COMMERCIAL	35,187	35,319	-132	-0.4
21	INDUSTRIAL	564,887	540,669	24,218	4.5
22	STREET & HIGHWAY LIGHTING	5,265	5,060	205	4.1
23	OTHER SALES TO PUBLIC AUTHOR.	78,253	91,648	-13,395	-14.6
24	INTERDEPARTMENTAL SALES	0	0	0	0.0
25	TOTAL JURISDICTIONAL SALES	11,781	11,705	76	0.6
26	SALES FOR RESALE	54,939,022	53,196,813	1,742,209	3.3
27	TOTAL SALES	12,509	12,414	95	0.8