

STEEL  
HECTOR  
DAVIS

Steel Hector & Davis LLP  
215 South Monroe, Suite 601  
Tallahassee, Florida 32301-1804  
904.222.2300  
904.722.8410 Fax

ORIGINAL  
FILE COPY

May 31, 1996

Ms. Blanca S. Bayó, Director  
Division of Records and Reporting  
Florida Public Service Commission  
4075 Esplanade Way, Room 110  
Tallahassee, FL 32399

RE: DOCKET NO. 960001-EI

Dear Ms. Bayó:

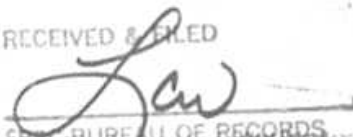
Enclosed for filing please find the original and fifteen (15) copies of Florida Power & Light Company's Petition for Adjustment To Its Fuel Adjustment Factors in the above referenced docket.

Very truly yours,

  
Matthew M. Childs, P.A.

ACK \_\_\_\_\_  
AFA 3  
APP \_\_\_\_\_ MMC:ml  
C.C. \_\_\_\_\_ cc: All Parties of Record  
C.M. \_\_\_\_\_  
C.P. \_\_\_\_\_  
E. Bass  
L.C. 1  
L.I. 3  
G.F. \_\_\_\_\_  
R.C. \_\_\_\_\_  
S.E. 1  
W.F. \_\_\_\_\_  
M.M. \_\_\_\_\_  
M.P. \_\_\_\_\_

RECEIVED & FILED



FPSC-BUREAU OF RECORDS  
305.577.7000  
305.577.7001 Fax

DOCUMENT NUMBER-DATE

06018 MAY 31 96

FPSC-RECORDS/REPORTING  
305.292.7272  
305.292.7271 Fax  
582.951.2067  
582.951.3067 Fax

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power ) DOCKET NO. 960001-EI  
Cost Recovery Clause With ) FILED: MAY 31, 1996  
Generating Performance Incentive )  
Factor )  
\_\_\_\_\_)

PETITION OF FLORIDA POWER & LIGHT COMPANY  
FOR ADJUSTMENT TO ITS FUEL ADJUSTMENT FACTORS

Florida Power & Light Company ("FPL") hereby Petitions this Commission to approve adjusting its currently authorized levelized fuel adjustment factor from 2.071 cents per kWh to 2.201 cents per kWh (See Document No. 1), adjusting time differentiated rates from 2.322 cents per kWh to 2.452 cents per kWh for on-peak periods and from 1.941 cents per kWh to 2.071 cents per kWh for off-peak periods (See Document No. 2). The fuel adjustment factors by rate group which are being requested are provided as shown in Document No. 3. FPL requests that these new fuel factors become effective with customer billings on cycle day 3 of July 1996, and to continue these charges in effect until modified by subsequent order of this Commission. FPL requests that this matter be placed on the June 25, 1996, Agenda for consideration as a Proposed Agency Action item. In support of this Petition, FPL states:

1. Florida Power & Light Company is a utility subject to the jurisdiction of the Florida Public Service Commission pursuant to Chapter 366, Florida Statutes. Its principal offices are located

at 9250 West Flagler Street, Miami, Florida 33174.

2. Copies of all notices and correspondence or other documents required to be served on FPL or other parties to this proceeding should be forwarded to:

Matthew M. Childs, P.A.  
Steel Hector & Davis LLP  
215 South Monroe Street  
Suite 601  
Tallahassee, FL 32301-1804

3. FPL projects that if its fuel factors remain unchanged for the remainder of the current recovery period it will experience an underrecovery of \$118,243,170. This \$118,243,170 is based on revised projections for April 1996 through September 1996. (See Document No. 4, Column 7, Lines C7 plus C8).

4. In Order No. PSC-96-0353-FOF-EI the Commission approved FPL's currently authorized fuel cost recovery factors to be applied to customer's bills from April 1996 through September 1996. The calculations underlying those factors were based on an "estimated/actual" projected \$64,536,189 underrecovery in the October 1995 through March 1996 period. FPL actually experienced a \$81,698,246 underrecovery for that period, which represents a \$17,157,052 final underrecovery (The final underrecovery has been adjusted to reflect \$5,005 in Oil Backout Revenues resulting from back billing). (See Document No. 5).

5. Based on the amounts listed above, FPL now projects its underrecovery to be \$135,400,222 at the end of the current recovery period if FPL's fuel factors remained unchanged. This

\$135,400,222 represents the total of the final underrecovery of \$17,157,052 for the period October 1995 through March 1996 and the estimated underrecovery of \$118,243,170 for the period April 1996 through September 1996.

6. The projected underrecovery for the current period is due to an approximate \$114.9 million variance in total fuel and net power transaction costs (See Document No. 6, line 14). The approximate \$114.9 million cost variance is primarily due to an approximate \$70.4 million increase (23.46%) in natural gas costs and an approximate \$22.6 million increase (13.49%) in heavy oil costs. These variances are provided in greater detail on Document No. 6, Lines 18 through 24. Projected natural gas costs have increased from \$2.2057 per MMBTU to \$2.9514 per MMBTU, a 33.81% increase. Projected heavy oil costs have increased from \$2.5022 per MMBTU to \$2.7405 per MMBTU, a 9.52% increase. This increase in fuel costs is primarily due to higher than projected heavy oil and natural gas prices reflecting a colder than normal winter in North America and extremely low crude oil and natural gas storage levels. The revised projections are provided in greater detail on Document No. 7, pages 1 and 2.

7. FPL is requesting that the Commission approve FPL's proposal that will "levelize" the charges for July through September 1996 with those currently forecasted for the next projection period, October 1996 through March 1997, which are scheduled to be filed by June 24, 1996. In order to levelize the charges for this nine month period July 1996 through March 1997,

FPL is requesting that 24% of the underrecovery be recovered in July through September 1996 and the remaining 76% of the underrecovery be recovered in October 1996 through March 1997 so that the total bill will be approximately the same for the period July 1996 through March 1997. FPL requests that the Commission approve revised fuel adjustment charges as shown on Document 3. The fuel adjustment charge for 1,000 kWh residential service is requested to be increased from \$20.75 to \$22.05. A 1,000 kWh residential bill would increase from \$75.64 to \$76.95 in July 1996. We have attached currently forecasted adjustment clause charges for the October 1996 through March 1997 period which demonstrate the basis for the levelization that has been requested herein. (See Document No. 8).

8. In 1984 in Order No. 13694 the Commission placed the responsibility on the utilities for seeking a midcourse correction if it appeared that an over or under recovery of greater than 10% would occur. The total projected underrecovery in this case is \$118,243,170 for the current period, which is 16% greater than FPL's forecasted jurisdictional system fuel expense for the period on which the current fuel charges are based.

9. FPL requests that this matter be considered at the Commission's June 25, 1996, Agenda as a Proposed Agency Action item. This expedited consideration is requested so that the proposed adjustments to the fuel cost recovery factors may be in effect for the July through September 1996 period. In granting the Company's request in 1989 for a midcourse correction the Commission

noted that although the effective date of the adjustment did not permit the normal 30 day notice requirement, "...due to the magnitude of the projected underrecovery it is preferable to implement the revised levelized fuel adjustment factors as requested by the Company." (Docket No. 890001-EI, Order No. 21325, p. 2). FPL asks that the same decision be reached here.

10. A residential bill for 1,000 kWh for the period July through September 1996 under this revised request will be \$76.95. The 1,000 kWh residential bill includes a base rate charge of \$47.46, a fuel recovery charge of \$22.05, a conservation charge of \$2.09, a capacity recovery charge of \$4.42, an environmental cost recovery charge of \$.015, and a gross receipt tax of \$0.78. (See Document No. 8).

11. FPL requests that increased fuel adjustment factors commence with customer billings on cycle day 3 of July 1996. This will allow all customers to be billed three times at the revised rate.

12. Document Nos. 1 through 8 attached hereto are incorporated herein by reference.

WHEREFORE, FPL requests that its levelized fuel cost recovery factors be increased to 2.201 cents per kWh, for non-time differentiated rates, and 2.452 per kWh and 2.071 cents per kWh for on-peak and off-peak time differentiated rates, and that the Commission approve application of the new factors to become effective with customer billings on cycle day 3 of July 1996, and

to continue these charges in effect until modified by a subsequent order of this Commission.

DATED this 31st day of May, 1996.

Respectfully submitted,

STEEL HECTOR & DAVIS LLP  
215 South Monroe Street  
Suite 601  
Tallahassee, FL 32301-1804  
Attorneys for Florida Power  
& Light Company

By:   
Matthew M. Childs, P.A.

**CERTIFICATE OF SERVICE  
DOCKET NO. 960001-EI**

I HEREBY CERTIFY that a true and correct copy of Florida Power & Light Company's Petition for Adjustment to Its Fuel Adjustment Factors have been furnished by Hand Delivery,\*\* or U.S. Mail this 31st day of May, 1996, to the following:

Vicki D. Johnson, Esq.\*\*  
Division of Legal Services  
FPSC  
2540 Shumard Oak Blvd. Rm.370  
Tallahassee, FL 32399-0850

John Roger Howe, Esq.\*\*  
Office of Public Counsel  
111 West Madison Street  
Room 812  
Tallahassee, FL 32399

Joseph A. McGlothlin, Esq.\*\*  
Vicki Gordon Kaufman, Esq.  
McWhirter, Reeves, McGlothlin,  
Davidson, Rief & Bakas, P.A.  
117 South Gadsden Street  
Tallahassee, FL 32301

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

G. Edison Holland, Esq.  
Jeffrey A. Stone, Esq.  
Beggs and Lane  
P. O. Box 12950  
Pensacola, FL 32576

James A. McGee, Esq.  
Florida Power Corporation  
P. O. Box 14042  
St. Petersburg, FL 33733

Norman Horton, Jr., Esq.  
Messer, Caparello,  
Madsen, Goldman & Metz  
P. O. Box 1876  
Tallahassee, FL 32302-1876

John W. McWhirter, Jr., Esq.  
McWhirter, Reeves, McGlothlin,  
Davidson, Rief & Bakas, P.A.  
Post Office Box 3350  
Tampa, Florida 33601-3350

Suzanne Brownless, P.A.  
1311-B Paul Russell Road  
Suite 202  
Tallahassee, Florida 32301



Matthew M. Childs, P.A.



FLORIDA POWER & LIGHT COMPANY

FUEL AND PURCHASED POWER  
 COST RECOVERY CLAUSE CALCULATION

ESTIMATED FOR THE PERIOD: JULY 1996 - SEPTEMBER 1996

	(a)	(b)	(c)
	DOLLARS	MWH	¢/KWH
1 Fuel Cost of System Net Generation (E3)	\$554,837,790	36,265,572	1.5575
2 Nuclear Fuel Disposal Costs (E2)	9,888,296	10,596,260	0.0931
3 Fuel Related Transactions (E2)	4,424,433	0	0.0000
4 Fuel Cost of Sales to FKEC / CKW	(10,059,440)	(508,676)	1.9776
5 TOTAL COST OF GENERATED POWER	\$569,071,079	35,756,896	1.5915
6 Fuel Cost of Purchased Power (Exclusive of Economy) (E7)	92,551,680	5,514,449	1.6783
7 Energy Cost of Sched C & X Econ Purch (Broker) (E9)	24,170,450	1,339,826	1.8040
8 Energy Cost of Other Econ Purch (Non-Broker) (E9)	13,709,820	645,739	2.1231
9 Energy Cost of Sched E Economy Purch (E9)	0	0	0.0000
10 Capacity Cost of Sched E Economy Purchases	0	0	0.0000
11 Payments to Qualifying Facilities (E6)	56,153,965	2,920,077	1.9230
12 TOTAL COST OF PURCHASED POWER	\$166,585,915	10,420,091	1.7908
13 TOTAL AVAILABLE KWH (LINE 5 + LINE 12)		46,176,987	
14 Fuel Cost of Economy Sales (E6)	(14,803,910)	(564,045)	2.6246
15 Gain on Economy Sales (E6A)	(3,321,326)	(564,045)	0.5888
16 Fuel Cost of Unit Power Sales (SL2 Partpts) (E6)	(724,197)	(176,304)	0.4108
17 Fuel Cost of Other Power Sales (E6)	0	0	0.0000
18 TOTAL FUEL COST AND GAINS OF POWER SALES	(\$18,849,433)	(740,349)	2.5460
19 Net Inadvertent Interchange	0	0	
20 TOTAL FUEL & NET POWER TRANSACTIONS (LINE 5 + 12 + 18 + 19)	\$736,807,561	45,436,638	1.6216
21 Net Unbilled Sales	(20,233,237) **	(1,247,721)	(0.0717)
22 Company Use	2,210,423 **	136,310	0.0054
23 T & D Losses	47,892,491 **	2,953,381	0.1165
24 SYSTEM MWH SALES (Excl sales to FKEC / CKW)	\$736,807,561	41,069,226	1.7928
25 Wholesale MWH Sales (Excl sales to FKEC / CKW)	\$3,766,634	210,105	1.7928
26 Jurisdictional MWH Sales	\$733,040,927	40,889,121	1.7928
26a Jurisdictional Loss Multiplier	-	-	1.0007
27 Jurisdictional MWH Sales Adjusted for Line Losses	\$733,554,056	40,889,121	1.7940
28 FINAL TRUE-UP APRIL 95 - SEPT 95 \$33,181,566 underrecovery	EST/ACT TRUE-UP OCT 95 - MARCH 96 \$64,536,189 underrecovery	****	97,684,026
28a Mid-course underrecovery	28,378,361	22,181,632	0.1279
29 TOTAL JURISDICTIONAL FUEL COST	\$859,616,443	40,889,121	2.1608
30 Revenue Tax Factor			1.01609
31 Fuel Factor Adjusted for Taxes			2.1956
32 GPIF *** reward	\$2,159,086	40,889,121	0.0053
33 Fuel Factor including GPIF (Line 31 + Line 32)			2.2009
34 FUEL FACTOR ROUNDED TO NEAREST .001 CENTS/KWH			2.201

\*\* For Informational Purposes Only

\*\*\* Calculation Based on Jurisdictional KWH Sales

\*\*\*\* Total includes \$33,729 reduction in Beginning Underrecovery to reflect Oil Backout Overrecovery at 9/30/95.

FLORIDA POWER & LIGHT COMPANY

DETERMINATION OF FUEL RECOVERY FACTOR  
 TIME OF USE RATE SCHEDULES

JULY 1996 - SEPTEMBER 1996

NET ENERGY FOR LOAD (%)		FUEL COST (%)	
ON PEAK	34.10		38.80
OFF PEAK	65.90		61.20
	100.00		100.00

FUEL RECOVERY CALCULATION

	TOTAL	ON-PEAK	OFF-PEAK
1 TOTAL FUEL & NET POWER TRANS	\$736,807,561	\$285,881,334	\$450,926,227
2 MWH SALES	41,099,226	14,014,836	27,084,390
3 COST PER KWH SOLD	1.7928	2.0398	1.6649
4 JURISDICTIONAL LOSS FACTOR	1.00070	1.00070	1.00070
5 JURISDICTIONAL FUEL FACTOR	1.7940	2.0413	1.6661
6 TRUE-UP	0.2389	0.2389	0.2389
7 MID-COURSE CORRECTION	0.1279	0.1279	0.1279
8 TOTAL	2.1608	2.4081	2.0329
9 REVENUE TAX FACTOR	1.01609	1.01609	1.01609
10 RECOVERY FACTOR	2.1956	2.4468	2.0656
11 GPIF	0.0053	0.0053	0.0053
12 RECOVERY FACTOR including GPIF	2.2009	2.4521	2.0709
13 RECOVERY FACTOR ROUNDED TO NEAREST .001 c/KWH	2.201	2.452	2.071

HOURS: ON-PEAK	25.90 %
OFF-PEAK	74.10 %

FLORIDA POWER & LIGHT COMPANY

FUEL RECOVERY FACTORS - BY RATE GROUP  
 (ADJUSTED FOR LINE/TRANSFORMATION LOSSES)

JULY 1996 - SEPTEMBER 1996

(1) GROUP	(2) RATE SCHEDULE	(3) AVERAGE FACTOR	(4) FUEL RECOVERY LOSS MULTIPLIER	(5) FUEL RECOVERY FACTOR
A	RS-1, GS-1, SL-2	2.201	1.00197	2.205
A-1*	SL-1, OL-1	2.132	1.00197	2.136
B	GSD-1	2.201	1.00196	2.205
C	GSLD-1 & CS-1	2.201	1.00171	2.205
D	GSLD-2, CS-2, OS-2 & MET	2.201	0.99678	2.194
E	GSLD-3 & CS-3	2.201	0.96190	2.117
A	RST-1, GST-1 ON-PEAK OFF-PEAK	2.452 2.071	1.00197 1.00197	2.457 2.075
B	GSDT-1 ON-PEAK CILC-1(G) OFF-PEAK	2.452 2.071	1.00196 1.00196	2.457 2.075
C	GSLDT-1 & ON-PEAK CST-1 OFF-PEAK	2.452 2.071	1.00171 1.00171	2.456 2.074
D	GSLDT-2 & ON-PEAK CST-2 OFF-PEAK	2.452 2.071	0.99678 0.99678	2.444 2.064
E	GSLDT-3, CST-3, ON-PEAK CILC -1(T) OFF-PEAK & ISST-1(T)	2.452 2.071	0.96190 0.96190	2.359 1.992
F	CILC -1(D) & ON-PEAK ISST-1(D) OFF-PEAK	2.452 2.071	0.99827 0.99827	2.448 2.067

\* WEIGHTED AVERAGE 16% ON-PEAK AND 84% OFF-PEAK

FLORIDA POWER & LIGHT COMPANY							Document No. 4
CALCULATION OF ESTIMATED/ACTUAL TRUE-UP AMOUNT							Page 1 of 1
FOR THE PERIOD APRIL THROUGH SEPTEMBER 1996							
LINE NO.	(1) ACTUAL APRIL	(2) ESTIMATED MAY	(3) ESTIMATED JUNE	(4) ESTIMATED JULY	(5) ESTIMATED AUGUST	(6) ESTIMATED SEPTEMBER	(7) TOTAL PERIOD
<b>A Fuel Costs &amp; Net Power Transactions</b>							
1 a	\$ 96,121,431	\$ 122,839,117	\$ 139,241,891	\$ 154,226,250	\$ 158,633,234	\$ 143,805,953	\$ 814,972,876
b	1,729,346	1,832,201	1,893,273	1,832,201	1,893,273	1,893,273	11,073,567
c	418,841	416,961	415,081	413,201	411,320	409,440	2,484,864
d	309,871	306,302	306,733	305,164	303,595	302,826	1,833,891
e	0	0	0	0	0	0	0
2	(2,346,431)	0	0	0	0	0	(2,346,431)
3 a	11,213,978	0	0	0	0	0	11,213,978
b	8,688,963	0	0	0	0	0	8,688,963
4	3,852,913	0	0	0	0	0	3,852,913
5	\$ 119,989,114	\$ 123,407,380	\$ 141,836,978	\$ 156,870,814	\$ 161,241,422	\$ 146,410,692	\$ 831,796,003
<b>6 Adjustments to Fuel Cost:</b>							
a	(1,836,997)	(1,644,489)	(1,644,489)	(1,644,489)	(1,644,489)	(1,644,489)	(10,059,440)
b	(6,000)	0	0	0	0	0	(6,000)
c	123,725	0	0	0	0	0	123,725
d	0	0	0	0	0	0	0
7	\$ 118,269,842	\$ 123,763,091	\$ 140,212,489	\$ 155,226,327	\$ 159,596,933	\$ 144,766,203	\$ 841,834,888
<b>B kWh Sales</b>							
1	5,425,135,569	6,074,360,729	6,754,329,729	7,483,110,729	7,465,833,729	7,276,420,729	40,479,191,213
2	29,523,644	36,116,271	36,116,271	36,116,271	36,116,271	36,116,271	210,105,000
3	5,454,659,213	6,110,477,000	6,790,446,000	7,519,227,000	7,501,950,000	7,312,537,000	40,689,296,213
4							
5							
6	99.43874 %	99.40895 %	99.46813 %	99.51968 %	99.51837 %	99.50610 %	99.46364 %
<b>C True-up Calculation</b>							
1	\$ 108,637,905	\$ 123,808,219	\$ 137,667,414	\$ 152,521,500	\$ 152,169,359	\$ 148,308,725	\$ 823,113,122
2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
a	(16,280,671)	(16,280,671)	(16,280,671)	(16,280,671)	(16,280,671)	(16,280,671)	(97,684,026)
b	(354,150)	(354,150)	(354,150)	(354,150)	(354,150)	(354,150)	(2,134,901)
c	1,304	0	0	0	0	0	1,304
3	\$ 92,004,388	\$ 107,173,398	\$ 121,032,593	\$ 135,886,679	\$ 135,534,538	\$ 131,673,903	\$ 723,366,195
4 a	\$ 118,269,842	\$ 123,763,091	\$ 140,212,489	\$ 155,226,327	\$ 159,596,933	\$ 144,766,203	\$ 841,834,888
b	24,417	0	0	0	0	0	24,417
c	17,836	0	0	0	0	0	17,836
d	0	0	0	0	0	0	0
e	118,227,560	123,763,092	140,212,489	155,226,327	159,596,933	144,766,203	841,792,636
5	99.43874 %	99.40895 %	99.46813 %	99.51968 %	99.51837 %	99.50610 %	99.46364 %
6	\$ 117,712,235	\$ 123,117,711	\$ 139,564,368	\$ 154,588,881	\$ 158,929,766	\$ 144,132,039	\$ 838,075,000
7	\$ (25,707,848)	\$ (15,944,313)	\$ (18,531,775)	\$ (18,702,302)	\$ (23,463,228)	\$ (12,478,136)	\$ (114,770,805)
8	(542,981)	(560,894)	(567,726)	(580,794)	(604,886)	(515,083)	(3,472,345)
9	(97,684,026)	(107,654,184)	(107,878,720)	(110,697,531)	(113,699,876)	(121,429,219)	(97,684,026)
10	16,280,671	16,280,671	16,280,671	16,280,671	16,280,671	16,280,671	97,684,026
11	\$ (124,811,236)	\$ (125,035,772)	\$ (127,854,601)	\$ (130,856,928)	\$ (138,596,371)	\$ (135,398,919)	\$ (135,596,493)

NOTES (a) Estimated Line A1a includes projected Fuel Cost of System Net Generation, Fuel cost of Power Sold, Fuel Cost of Purchased Power, Energy Payments to Qualifying Facilities and Energy Cost of Economy Purchases per May 21, 1996 POWRSYS M run.

(b) Real Time Pricing (RTP) sales are shown at the Customer Base Load (CBL) kW/h. The incremental/decremental kWh sales are excluded.

(c) Generation Performance Incentive Factor Reward (Per Order No. PSC-96-0353-POF-11) of \$2,159,086 / 6 Max. x 98.4167% Revenue Tax Factor = \$354,150.

DOCUMENT NO. 4  
FLORIDA POWER & LIGHT COMPANY  
DOCKET NO. 960001-EI  
MIDCOURSE CORRECTION

FLORIDA POWER & LIGHT COMPANY  
FUEL COST RECOVERY CLAUSE  
SUMMARY OF NET TRUE-UP FOR THE  
SIX MONTH PERIOD OCTOBER 1995 THROUGH MARCH 1996

1	End of Period True-up for the six month period October 1995 through March 1996 (from page 4, lines D7 & D8)	\$ (81,698,246)
2	Less - Estimated/Actual True-up for the same period *	(64,536,189)
3	Decrease in underrecovery balance to reflect OBO revenues received in November 1995 through March 1996	5,005
4	Net True-up for the six month period October 1995 through March 1996	<u>\$ (17,157,052)</u>

( ) Reflects Underrecovery

\* Approved in FPSC Order No. PSC-96-0353-FOF-EI dated March 13, 1996

FUEL AND PURCHASED POWER  
COST RECOVERY CLAUSE VARIANCE

APRIL 1996 - SEPTEMBER 1996

Document No. 6  
Florida Power & Light Company  
Docket No. 960001-EI  
Midcourse Correction

	(a)	(b)	(c)	(d)
	ORIG PROJ (Jan 22, 1996 Filing)	REV PROJ (Apr 96 actual + May-Sep 96 rev projections)	\$ DIFF	% DIFF
1 Heavy Oil	\$168,009,170	\$190,675,814	\$22,666,644	13.47%
2 Light Oil	92,480	537,902	445,422	481.64%
3 Coal	56,049,530	56,461,471	411,941	0.73%
4 Gas	300,241,460	370,664,283	70,422,823	23.46%
5 Nuclear	40,445,150	48,783,721	8,338,571	20.62%
6 FUEL COST OF SYSTEM NET GENERATION	\$564,837,790	\$667,123,191	\$102,285,401	18.11%
7 Nuclear Fuel Disposal Costs	9,868,296	11,073,567	1,205,271	12.21%
8 Fuel Related Transactions	4,424,433	4,320,535	(103,898)	-2.35%
9 Fuel Cost of Sales to FKEC / CKW	(10,069,440)	(10,069,440)	(0)	0.00%
10 TOTAL COST OF GENERATED POWER	\$569,071,079	\$672,457,853	\$103,386,774	18.17%
11 TOTAL COST OF PURCHASED POWER	\$186,585,915	\$198,168,181	\$11,582,266	6.21%
12 TOTAL FUEL COST AND GAINS OF POWER SALES	(\$18,849,433)	(\$18,849,433)	\$0	0.00%
13				
14 TOTAL FUEL & NET POWER TRANSACTIONS (LINE 10 + 11 + 12)	\$736,807,561	\$851,776,601	\$114,969,040	15.60%
15				
16				
17				
18 PRIMARY REASONS FOR VARIANCE	ORIG PROJ	REV PROJ	\$ DIFF	% DIFF
19 HEAVY OIL VARIANCE TOTAL DOLLARS	\$168,009,170	\$190,675,814	\$22,666,644	13.47%
20 MMBTU	67,144,041	69,576,156	2,432,115	3.62%
21 \$/MMBTU	\$2.5022	\$2.7405	\$0.2383	9.52%
22 NATURAL GAS VARIANCE TOTAL DOLLARS	\$300,241,460	\$370,664,283	\$70,422,823	23.46%
23 MMBTU	136,118,720	125,588,637	(10,530,083)	-7.74%
24 \$/MMBTU	\$2.2057	\$2.9514	\$0.7457	33.81%

**Generating System Comparative Data by Fuel Type**

	ACTUAL Apr-96	REV EST May-96	REV EST Jun-96	REV EST Jul-96	REV EST Aug-96	REV EST Sep-96	Total
<b>Fuel Cost of System Net Generation (\$)</b>							
1 Heavy Oil	\$21,930,254	\$14,205,900	\$26,301,880	\$44,392,620	\$45,828,250	\$38,016,710	\$190,675,814
2 Light Oil	\$47,442	\$0	\$12,450	\$79,800	\$342,680	\$55,530	\$537,902
3 Coal	\$8,633,001	\$9,983,130	\$10,454,640	\$9,932,920	\$10,479,290	\$6,978,490	\$56,461,471
4 Gas	\$56,569,143	\$62,910,430	\$65,741,820	\$62,495,240	\$63,540,670	\$59,406,980	\$370,664,283
5 Nuclear	\$8,941,591	\$7,862,310	\$8,124,390	\$7,770,780	\$8,040,080	\$8,044,570	\$48,783,721
7 Total	\$96,121,431	\$94,961,770	\$110,635,180	\$124,671,560	\$128,230,970	\$112,502,280	\$667,123,191
<b>System Net Generation (MWH)</b>							
8 Heavy Oil	759,869	518,875	961,810	1,682,418	1,744,779	1,485,824	7,153,575
9 Light Oil	1,022	0	199	1,279	5,492	890	8,882
10 Coal	539,087	582,644	620,169	589,467	613,481	409,002	3,353,850
11 Gas	2,021,126	2,474,810	2,632,400	2,462,188	2,505,072	2,369,771	14,465,367
12 Nuclear	1,857,207	1,967,358	2,032,936	1,967,358	2,032,936	2,032,936	11,890,731
14 Total	5,178,311	5,543,687	6,247,514	6,702,710	6,901,760	6,298,423	36,872,405
<b>Units of Fuel Burned</b>							
15 Heavy Oil (BBLS)	1,200,333	792,293	1,464,621	2,537,034	2,642,037	2,238,264	10,874,582
16 Light Oil (BBLS)	1,745	0	447	2,868	12,314	1,995	19,369
17 Coal (TONS)	45,333	315,006	335,742	318,656	331,828	208,845	1,555,410
18 Gas (MCF)	17,322,391	21,627,440	22,909,646	21,417,226	21,860,336	20,451,598	125,588,637
19 Nuclear (MBTU)	20,481,050	21,472,340	22,188,086	21,472,340	22,188,086	22,188,086	129,989,988
<b>BTU Burned (MMBTU)</b>							
21 Heavy Oil	7,660,961	5,070,675	9,373,573	16,237,015	16,909,042	14,324,890	69,576,156
22 Light Oil	10,151	0	2,608	16,718	71,793	11,634	112,904
23 Coal	5,101,625	5,893,023	6,269,006	5,956,676	6,200,073	4,080,658	33,501,060
24 Gas	17,322,391	21,627,440	22,909,646	21,417,226	21,860,336	20,451,598	125,588,637
25 Nuclear	20,481,050	21,472,340	22,188,086	21,472,340	22,188,086	22,188,086	129,989,988
27 Total	50,576,178	54,063,478	60,742,919	65,099,975	67,229,330	61,056,865	358,768,744

**Generating System Comparative Data by Fuel Type**

	ACTUAL Apr-96	REV EST May-96	REV EST Jun-96	REV EST Jul-96	REV EST Aug-96	REV EST Sep-96	Total
<b>Generation Mix (%MWH)</b>							
28 Heavy Oil	14.67%	9.36%	15.40%	25.10%	25.28%	23.59%	19.40%
29 Light Oil	0.02%	0.00%	0.00%	0.02%	0.08%	0.01%	0.02%
30 Coal	10.41%	10.51%	9.93%	8.79%	8.89%	6.49%	9.10%
31 Gas	39.03%	44.64%	42.14%	36.73%	36.30%	37.62%	39.23%
32 Nuclear	35.87%	35.49%	32.54%	29.35%	29.46%	32.28%	32.25%
34 Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>Fuel Cost per Unit</b>							
35 Heavy Oil (\$/BBL)	18.2701	17.9301	17.9581	17.4979	17.3458	16.9849	17.5341
36 Light Oil (\$/BBL)	27.1874	0.0000	27.8523	27.8243	27.8285	27.8346	27.7713
37 Coal (\$/ton)	190.4352	31.6919	31.1389	31.1713	31.5805	33.4147	36.3001
38 Gas (\$/MCF)	3.2657	2.9088	2.8696	2.9180	2.9067	2.9048	2.9514
39 Nuclear (\$/MBTU)	0.4366	0.3662	0.3662	0.3619	0.3624	0.3626	0.3753
<b>Fuel Cost per MMBTU (\$/MMBTU)</b>							
41 Heavy Oil	2.8626	2.8016	2.8060	2.7341	2.7103	2.6539	2.7405
42 Light Oil	4.6736	0.0000	4.7740	4.7732	4.7732	4.7733	4.7643
43 Coal	1.6922	1.6941	1.6677	1.6675	1.6902	1.7101	1.6854
44 Gas	3.2657	2.9088	2.8696	2.9180	2.9067	2.9048	2.9514
45 Nuclear	0.4366	0.3662	0.3662	0.3619	0.3624	0.3626	0.3753
<b>BTU burned per KWH (BTU/KWH)</b>							
46 Heavy Oil	10,082	9,772	9,746	9,651	9,691	9,641	9,726
47 Light Oil	9,932	0	13,105	13,071	13,072	13,071	12,712
48 Coal	9,463	10,114	10,109	10,105	10,106	9,977	9,989
49 Gas	8,571	8,739	8,703	8,698	8,726	8,630	8,682
50 Nuclear	11,028	10,914	10,914	10,914	10,914	10,914	10,932
<b>Generated Fuel Cost per KWH (cents/KWH)</b>							
52 Heavy Oil	2.8861	2.7378	2.7346	2.6386	2.6266	2.5586	2.6655
53 Light Oil	4.6421	0.0000	6.2563	6.2392	6.2396	6.2393	6.0561
54 Coal	1.6014	1.7134	1.6858	1.6851	1.7082	1.7062	1.6835
55 Gas	2.7989	2.5420	2.4974	2.5382	2.5365	2.5069	2.5624
56 Nuclear	0.4815	0.3996	0.3996	0.3950	0.3955	0.3957	0.4103
58 Total	1.8562	1.7130	1.7709	1.8600	1.8579	1.7862	1.8093



1,000 KWH  
RESIDENTIAL BILL

	<u>APRIL 96 - SEPT 96</u>	Proposed Mid-Course Correction <u>JULY 96 - SEPT 96</u>	Preliminary <u>OCT 96 - MARCH 97</u>
BASE	\$47.46	\$47.46	\$47.46
FUEL	\$20.75	\$22.05	\$20.64
CONSERVATION	\$2.09	\$2.09	\$2.09
CAPACITY PAYMENT	\$4.42	\$4.42	\$6.35
ENVIRONMENTAL	<u>\$0.15</u>	<u>\$0.15</u>	<u>\$0.15</u>
SUBTOTAL	\$74.87	\$76.17	\$76.69
GROSS RECEIPTS TAX	<u>\$0.77</u>	<u>\$0.78</u>	<u>\$0.79</u>
TOTAL	<u>\$75.64</u>	<u>\$76.95</u>	<u>\$77.48</u>

DOCUMENT NO. 8  
FLORIDA POWER & LIGHT COMPANY  
DOCKET NO. 960001-EI  
MIDCOURSE CORRECTION