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REGISTERED LIMITED LIABILITY PARTNERSHIP

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Matthew M. Childs, P.A.

October 5, 1998

Blanca S. Bayó Director
Division of Records and Reporting
Florida Public Service Commission
4075 Esplanade Way, Room 110
Tallahassee, FL 32399-0850

REC'D
OCT-5 PM 4:19
REC'D

RE: DOCKET NO. 980001-EI

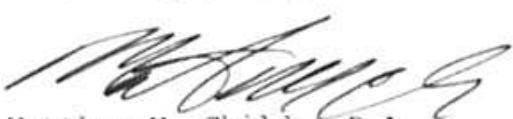
Dear Ms. Bayó:

Enclosed for filing please find the original and ten (10) copies of Florida Power & Light Company's Petition For Approval Of Its Levelized Fuel Cost Recovery Factors, Capacity Cost Recovery Factors and GPIF Targets and Rewards in the above referenced docket. 10930-98

Also enclosed please find the original and ten (10) copies of the Testimony and Exhibits of R. Silva, K.M. Dubin, and R.L. Wade. 10933-98

In addition, please find the original and ten (10) copies of Amended Testimony and Exhibits of R. Silva, amending GPIF Testimony originally filed on May 27, 1998. 10931-98 10932-98

- ACK _____
- AFA *Handwritten*
- APP _____
- CAF _____
- CMU _____
- CTR _____

Very truly yours,

Matthew M. Childs, P.A.

- EAG *Handwritten* MMC:ml
- LEG 1 cc: All Parties of Record
- LIN *3108*
- OPC _____
- RCH _____
- SEC 1
- WAS _____
- OTH _____

RECEIVED FILED

FPSC BUREAU OF RECORDS

ORIGINAL

**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

**DOCKET NO. 980001-EI
FLORIDA POWER & LIGHT COMPANY
AMENDMENT TO MAY 27, 1998 FILING
OCTOBER 5, 1998**

**GENERATING PERFORMANCE INCENTIVE FACTOR
PERFORMANCE RESULTS & GPIF CALCULATION FOR**

OCTOBER 1996 THROUGH SEPTEMBER 1997

TESTIMONY & EXHIBITS OF:

R. SILVA

DOCUMENT NUMBER-DATE

10932-OCT-5 8

FPSC-RECORDS/REPORTING

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BEFORE THE PUBLIC SERVICE COMMISSION
FLORIDA POWER & LIGHT COMPANY
AMENDED TESTIMONY OF R. S. LVA,
ORIGINALLY FILED MAY 27, 1998
DOCKET NO. 980001-E1
OCTOBER 5, 1998

Q. Please state your name and business address.

A. My name is Rene Silva and my business address is 700 Universe Boulevard, Juno Beach, Florida 33408.

Q. Mr. Silva, would you please state your present position with Florida Power and Light Company (FPL).

A. I am Manager of Planning, Forecasting and Regulatory Response, in the Power Generation Business Unit of FPL.

Q. Mr. Silva, have you previously presented testimony in this docket?

A. Yes, I have.

Q. Mr. Silva, what is the purpose of your testimony?

A. The purpose of my testimony is to amend my original testimony and exhibits filed on May 27, 1998. This amendment is necessary to reflect, in the GPIF results, the thermal uprate of both Turkey Point Units 3 and 4, and the corresponding net capacity increase from the 666 MW used in our earlier reward/penalty calculation, to the correct 693 MW, which was

1 implemented in October of 1996, but not reflected in the monthly reports
2 to the FPSC Staff, nor in my original filing of May 27, 1998. An errata
3 sheet is contained in my attached Exhibit (Document No.3).

4
5 **Q. In what manner does the increase in Unit capacity affect the**
6 **calculation of reward/penalty for heat rate and availability**
7 **performance?**

8 **A.** Applying the increase in Unit capacity to the GPIF equations results in a
9 lower actual heat rate for the Units in question and, in this case, results in
10 no GPIF reward or penalty due to heat rate performance for Turkey Pt.
11 Units 3 and 4. More specifically, the increase in Unit capacity reduces the
12 actual values of Unit Net Operating Factor (NOF) and consequently the
13 values for adjusted actual Adjusted Net Operating Heat Rate (ANOHR)
14 during the period. As a result, the difference between the projected target
15 ANOHR and the corrected adjusted actual ANOHR for these Units now
16 falls within the +/75 BTU/KWH deadband. Therefore there is no reward
17 or penalty for heat rate performance for Turkey Points Units 3 and 4. This
18 calculation, using the correct Unit capacity, and a comparison to the
19 calculation performed using the incorrect Unit capacity, is presented in my
20 attached Exhibit (Document No. 4).

21
22 The increase in Unit capacity also reduces the calculated equivalent
23 outage hours for these Units, but not sufficiently to change the adjusted
24 actual availability and the reported reward for availability performance.
25

1 Q. Did you perform your revised reward/penalty calculation for heat rate
2 performance using the same methodology as in your original
3 testimony?

4 A. Yes. As shown in my Exhibit (Document No.4), my revised calculation
5 uses the same equations. The only difference between my original
6 calculation and my revised calculation is one input value, the rated
7 capacity of Turkey Pt. Units No. 3 and 4, which has been corrected from
8 666 MW to 693 MW.

9
10 Q. Is it appropriate to reflect the uprated capacity of Turkey Pt. Units
11 No. 3 and 4 in these reward/penalty calculations?

12 A. Yes. The higher level of Unit capacity is, in fact, the actual capacity of
13 these Units, which is the value that should be used in these calculations.
14 Moreover, the most significant effect of FPL's actions to uprate these
15 nuclear units is that FPL's system average fuel costs have been lower than
16 they would have otherwise been. Since nuclear fuel costs are the lowest in
17 our system, increasing the capability of these nuclear units has reduced
18 the cost of electricity to our customers. This result is consistent with the
19 intent of the GPIF rule.

20
21 Q. What is the effect of this amendment on the GPIF incentive
22 reward/penalty for the period ending September, 1997?

23
24 A. The total GPIF incentive reward for FPL's nuclear units increases from
25 \$8,943,534 to \$9,707,291. The system total GPIF reward increases from

1 \$8,590,204 to \$9,353,960.

2

3 Q. Which lines in your original testimony are affected by these changes?

4 A. The following lines have changed in my original testimony:

5

6 1) Page 2 lines 13, 18 and 19.

7 2) Page 5 lines 6,7,8,9,11,12,13,14,24,25.

8 3) Page 6 line 3.

9 These lines have been corrected in my original testimony, and included in
10 an Exhibit which contains my revised testimony in its entirety (Document
11 2, pages 1 through 6).

12

13 Q. Which sheets in your original exhibits are affected by these changes?

14 A. The following sheets have changed in my original Document 1:

15

16 1) Sheet 6.203.002

17 2) Sheet 6.203.004

18 3) Sheet 6.203.005

19 4) Sheet 6.203.006

20 5) Sheet 6.203.007

21 6) Sheet 6.203.019

22 7) Sheet 6.203.020

23

24 These sheets are included in the revised Exhibit provided in its entirety
25 below as Document 1, pages 1 through 24

1 Q. Does this conclude your testimony?

2 A. Yes, it does.

DOCUMENT NO. 1

WITNESS: R. SILVA

DOCKET NO. 980001-EI

GENERATING PERFORMANCE INCENTIVE FACTOR

OCTOBER, 1996 THROUGH SEPTEMBER, 1997

Docket No.: 980001-EI

FPL Witness: R. Silva

Exhibit No.:

Pages 1 - 24

May 27 1998

Revised: October 5, 1998

DOCUMENT NUMBER 1 INDEX

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

<u>DOCUMENT</u>	<u>INDEX OF MANUAL PAGES</u>	<u>TITLES</u>
1	6.203.001	Index of Manual Pages
	6.203.002	GPIF Reward/(Penalty) Table (Actual)
	6.203.003	GPIF Calculation of Maximum Allowed Incentive Dollars (Actual)
	6.203.004	Derivation of System Actual GPIF Points
	6.203.005	Actual Equivalent Availability and Adjustments Summary
	6.203.006	EAF Adjustment Documentation
	6.203.007	Adjustments to Average Net Operating Heat Rates and Adjustments Summary
	6.203.008 - 6.203.023	GPIF Units Points Tables
	6.203.024	Planned Outages Schedules (Actual)

Issued by: Florida Power & Light CompanyDocket No.: 980001-E1
FPL Witness: R. Silva
Exhibit No.:
Document 1 Page 1 of 24

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE (ACTUAL)

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

GENERATING PERFORMANCE INCENTIVE POINTS (GPIF)	FUEL SAVINGS/(LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+ 10	33,479.00	19,106.36
+ 9	30,131.10	17,195.73
+ 8	26,783.20	15,285.09
+ 7	23,435.30	13,374.46
+ 6	20,087.40	11,463.82
+ 5	16,739.50	9,553.18
+ 4	13,391.60	7,642.55
+ 3	10,043.70	5,731.91
+ 2	6,695.80	3,821.27
+ 1	3,347.90	1,910.64
0	0.00	0.00
- 1	(3,198.30)	(1,910.64)
- 2	(6,396.60)	(3,821.27)
- 3	(9,594.90)	(5,731.91)
- 4	(12,793.20)	(7,642.55)
- 5	(15,991.50)	(9,553.18)
- 6	(19,189.80)	(11,463.82)
- 7	(22,388.10)	(13,374.46)
- 8	(25,586.40)	(15,285.09)
- 9	(28,784.70)	(17,195.73)
- 10	(31,983.00)	(19,106.36)

<----- 4.90

9,353.96 ----->

OCTBER, 1996 THROUGH SEPTEMBER, 1997

DERIVATION OF SYSTEM ACTUAL GPIF POINTS

PILANT/UNIT	PERFORMANCE INDICATOR	WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
Cape Canaveral 1	EAF	0.12	6.18	.0077
	ANHR	1.49	0.00	.0000
Cape Canaveral 2	EAF	0.10	4.06	.0042
	ANHR	1.42	-6.56	-.0933
Ft. Lauderdale 4	EAF	0.98	10.00	.0976
	ANHR	3.06	0.00	.0000
Ft Lauderdale 5	EAF	0.97	3.33	.0323
	ANHR	1.26	0.35	.0043
Ft. Myers 2	EAF	0.21	0.79	.0017
	ANHR	3.05	5.59	.1707
Martin 3	EAF	1.32	10.00	.1319
	ANHR	0.53	-10.00	-.0526
Martin 4	EAF	1.94	10.00	.1942
	ANHR	1.28	-2.53	-.0324
Port Everglades 3	EAF	0.14	10.00	.0142
	ANHR	1.93	-5.70	-.1102
Port Everglades 4	EAF	0.14	10.00	.0139
	ANHR	2.65	-6.17	-.1639
Putnam 1	EAF	0.47	8.29	.0389
	ANHR	1.74	-6.72	-.1172
Putnam 2	EAF	0.34	10.00	.0343
	ANHR	1.65	-10.00	-.1654
Turkey Point 3	EAF	9.95	10.00	.9947
	ANHR	5.50	0.00	.0000
Turkey Point 4	EAF	10.85	10.00	1.0852
	ANHR	5.07	0.00	.0000
St. Lucie 1	EAF	20.17	10.00	2.0171
	ANHR	2.30	0.00	.0000
St. Lucie 2	EAF	9.84	10.00	.9836
	ANHR	5.85	0.00	.0000
Scherer 4	EAF	2.92	-6.71	-.1958
	ANHR	0.75	0.00	.0000
GPIF System Total:		100.00		4.90

ACTUAL EQUIVALENT AVAILABILITY AND ADJUSTMENTS

OCTOBER 1996 THRU SEPTEMBER 1997

UNIT	FOF	ACTUAL			EA	PLANNED OUTAGE ADJ TO EA (1)	ADJUSTED ACTUAL EA	TARGET EA	POINTS FROM TABLES	ORIGINAL PLANNED DATES	ACTUAL DATES	ACTUAL FUEL SAVINGS/ (LOSS) (\$000)
		MOF	POF	POF								
Cape Canaveral 1	0.4	4.4	3.3	91.9	1.5	95.0	93.5	6.18	NONE	4/5/97 - 4/17/97	25.8	
Cape Canaveral 2	0.5	5.8	0.0	93.7	1.0	93.7	92.7	4.06	NONE	NONE	14.1	
Lauderdale 4	0.4	0.3	2.9	96.4	3.2	96.5	93.4	10.00	03/15/97 - 03/24/97	5/14/97 - 5/23/97	326.9	
Lauderdale 5	0.4	2.8	6.1	90.7	0.7	92.5	91.8	3.33	11/02/96 - 11/17/96	11/2/96 - 11/11/96	108.1	
Fort Myers 2	1.4	3.0	22.6	73.0	0.2	76.3	76.1	0.79	10/05/96 - 12/13/96	10/4/96 - 12/22/96	5.5	
Martin 3	0.1	0.9	1.3	97.8	2.4	97.5	95.2	10.00	10/01/96 - 10/05/96	10/1/96 - 10/5/96	441.7	
Martin 4	0.1	0.7	2.9	96.4	11.1	97.7	86.6	10.00	02/15/97 - 02/26/97	2/16/97 - 3/8/97	650.1	
Port Everglades 3	1.3	0.6	0.0	98.0	3.1	98.0	94.9	10.00	NONE	NONE	47.4	
Port Everglades 4	0.0	0.0	1.9	97.5	6.1	84.2	78.1	10.00	03/01/97 - 04/25/97	10/10/96 - 10/16/96	46.6	
Putnam 1	1.7	1.5	8.0	88.8	2.1	91.4	89.3	8.29	11/16/96 - 12/13/96	10/17/96 - 11/22/96	130.2	
Putnam 2	0.5	2.2	5.4	91.9	2.0	89.8	87.8	10.00	03/15/97 - 04/11/97	3/1/97 - 3/18/97	114.8	
Turkey Point 3	1.7	0.0	12.3	85.9	3.9	85.9	82.1	10.00	03/01/97 - 04/21/97	3/3/97 - 4/17/97	3330.2	
Turkey Point 4	1.2	0.2	7.4	91.2	5.0	94.2	89.2	10.00	09/15/97 - (09/30/97)	9/6/97 - 9/30/97	3633.3	
St Lucie 1	2.4	0.0	0.0	97.6	22.6	97.6	75.0	10.00	NONE	NONE	6753.2	
St Lucie 2	0.1	0.1	11.9	87.9	6.2	87.5	81.2	10.00	04/15/97 - 5/29/97	4/13/97 - 5/26/97	3293.0	
Scherer 4	6.7	0.7	7.0	85.6	-1.7	84.9	86.6	-6.71	9/15/96 - 9/30/96	10/10/96 - 11/3/96	-409.0	
											18511.8	

(1) EQUIVALENT AVAILABILITY ADJUSTMENT DUE TO PLANNED OUTAGE ACTUAL DURATION VERSUS TARGETED DURATION SEE SHEET 6.203.006 FOR FORMULAS AND CALCULATION DATA

EQUIVALENT AVAILABILITY ADJUSTMENTS
 PERIOD OF: OCTOBER 1996 THRU SEPTEMBER 1997

PLANT / UNIT	ACTUAL				TARGETS		ADJUSTED ACTUAL EAF%
	PH	EFOH	EMOH	EPOH	POF%	POH	
Cape Canaveral 1	8760	36.5	383.2	290.7	0.0	0.0	95.0
Cape Canaveral 2	8760	40.0	510.6	0.0	0.0	0.0	93.7
Lauderdale 4	8760	36.6	29.5	253.7	2.7	236.5	96.5
Lauderdale 5	8760	31.9	245.1	533.9	4.4	385.4	92.5
Fort Myers 2	8760	120.7	259.8	1980.7	19.2	1681.9	76.3
Martin 3	8760	11.2	75.4	110.2	1.5	131.4	97.5
Martin 4	8760	5.5	57.0	255.5	1.6	140.2	97.7
Port Everglades 3	8760	116.1	56.2	0.0	0.0	0.0	98.0
Port Everglades 4	8760	51.5	0.0	168.2	15.3	1340.3	84.2
Putnam 1	8760	151.1	128.6	698.9	5.5	481.8	91.4
Putnam 2	8760	46.0	189.3	471.4	7.7	674.5	89.8
Turkey Point 3	8760	152.5	2.7	1077.3	12.3	1077.5	85.9
Turkey Point 4	8760	105.7	13.7	650.9	4.4	385.4	94.2
St. Lucie 1	8760	206.8	0.0	0.7	0.0	0.0	97.6
St. Lucie 2	8760	10.6	10.0	1041.6	12.3	1077.5	87.5
Scherer 4	8760	590.3	58.6	611.6	7.7	674.5	84.9

$$\text{ADJ. ACTUAL EAF\%} = 100\% - \text{POF}_T - \frac{(\text{EFOH}_A + \text{EMOH}_A) \times \frac{\text{PH} \cdot \text{POH}_T}{\text{PH} \cdot \text{POH}_A}}{\text{PH}} \times 100\%$$

ADJUSTMENTS TO AVERAGE NET OPERATING HEATRATES & ADJUSTMENTS SUMMARY

OCTOBER 1996 THRU SEPTEMBER 1997

1	2	3	4	5	6	7	8	9		
UNIT	HEAT RATE (1) FORMULA	ACTUAL		TARGET (2)	ADJUST.(3)	TARGET (4)	ADJUST.(5)	GPIF(6) FROM TABLE	ACTUAL	
		NOF %	ANOHR BTU/KWH	ACTUAL NOF BTU/KWH	TO ANOHR BTU/KWH	ANOHR BTU/KWH	ACTUAL ANOHR BTU/KWH		FUEL SAV./(LOSS) \$000	
Cape Canaveral 1	ANOHR= -8.31 NOF +	10053	61.1	9553	9545	7	9428	9435	0.00	0.0
Cape Canaveral 2	ANOHR= -6.86 NOF +	10017	60.5	9760	9602	159	9479	9638	-6.58	-312.5
Lauderdale 4	ANOHR= -11.60 NOF +	8438	88.0	7417	7416	0	7277	7277	0.00	0.0
Lauderdale 5	ANOHR= -18.35 NOF +	9105	86.2	7445	7523	-77	7270	7193	0.35	14.5
Fort Myers 2	ANOHR= -13.55 NOF +	10532	69.9	9407	9586	-179	9343	9164	5.59	571.4
Martin 3	ANOHR= -4.92 NOF +	7413	95.4	7052	6944	108	6922	7029	-10.00	-176.2
Martin 4	ANOHR= -2.72 NOF +	7174	94.2	7009	6917	92	6902	6994	-2.53	-108.4
Port Everglades 3	ANOHR= -20.53 NOF +	11164	57.9	10116	9976	141	9462	9603	-5.70	-368.8
Port Everglades 4	ANOHR= -22.19 NOF +	11198	55.2	10172	9974	198	9539	9737	-6.17	-548.6
Putnam 1	ANOHR= -6.03 NOF +	9308	79.8	9045	8827	219	8705	8923	-6.72	-392.4
Putnam 2	ANOHR= -13.97 NOF +	9847	80.3	9059	8726	333	8489	8822	-10.00	-553.9
Turkey Point 3	ANOHR= -22.75 NOF +	13299	100.2	11017	11020	-3	11024	11021	0.00	0.0
Turkey Point 4	ANOHR= -36.21 NOF +	14687	100.9	11063	11034	29	11066	11095	0.00	0.0
St.Lucie 1	ANOHR= -24.56 NOF +	13368	99.7	10928	10918	10	10912	10922	0.00	0.0
St.Lucie 2	ANOHR= -28.96 NOF +	13831	99.5	10931	10950	-19	10935	10916	0.00	0.0
Scherer 4	ANOHR= -0.02 NOF +	9995	90.6	10052	9994	58	9994	10052	0.00	0.0

1) THESE FORMULAS ARE AS APPROVED BY THE COMMISSION IN THE PROJECTED DATA AND REFLECT ON MONTHLY ACTUAL DATA

2) CALCULATED FROM ANOHR FORMULA IN COLUMN 2 USING ACTUAL NOF IN COLUMN 3

3) ADJUSTMENT TO ANOHR=ACTUAL ANOHR - TARGET ANOHR AT ACTUAL NOF (COLUMN 6 = COLUMN 4 - COLUMN 5)

4) AT TARGET NOF AS APPROVED BY THE COMMISSION IN PROJECTED DATA

5) AT TARGET NOF, ADJUSTED ACTUAL ANOHR = TARGET ANOHR + ADJUSTMENTS (COLUMN 8 = COLUMN 7 + COLUMN 6)

6) OBTAINED FROM GPIF POINTS TABLES AS APPROVED BY THE COMMISSION IN PROJECTED TARGETS.

-1874.8

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Cape Canaveral 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	41.74	96.00	+10	499.47	9217
+9	37.57	95.75	+9	449.52	9230
+8	33.39	95.50	+8	399.58	9244
+7	29.22	95.25	+7	349.63	9258
+6	25.04	95.00	+6	299.68	9271
+5	20.87	94.75	+5	249.74	9285
+4	16.70	94.50	+4	199.79	9298
+3	12.52	94.25	+3	149.84	9312
+2	8.35	94.00	+2	99.89	9326
+1	4.17	93.75	+1	49.95	9339
				0.00	9353
0	0.00	93.50	0	0.00	9428
				(0.00)	9503
-1	(4.17)	93.25	-1	(49.95)	9517
-2	(8.35)	93.00	-2	(99.89)	9530
-3	(12.52)	92.75	-3	(149.84)	9544
-4	(16.69)	92.50	-4	(199.79)	9557
-5	(20.87)	92.25	-5	(249.74)	9571
-6	(25.04)	92.00	-6	(299.68)	9585
-7	(29.21)	91.75	-7	(349.63)	9598
-8	(33.38)	91.50	-8	(399.58)	9612
-9	(37.56)	91.25	-9	(449.52)	9626
-10	(41.73)	91.00	-10	(499.47)	9639
	<u>WEIGHTING FACTOR =</u>	0.12		<u>WEIGHTING FACTOR =</u>	1.49

← Adj. Act.
EAF = 95.04

← Adj. Act.
HR=9425

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1986 THROUGH SEPTEMBER 1997

UNIT: Cape Canaveral 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	34.84	95.20	+10	476.18	9278
+9	31.36	94.95	+9	428.56	9289
+8	27.87	94.70	+8	380.94	9302
+7	24.39	94.45	+7	333.32	9314
+6	20.90	94.20	+6	285.71	9327
+5	17.42	93.95	+5	238.09	9340
+4	13.94	93.70	+4	190.47	9353
+3	10.45	93.45	+3	142.85	9366
+2	6.97	93.20	+2	95.24	9378
+1	3.48	92.95	+1	47.62	9391
				0.00	9404
0	0.00	92.70	0	0.00	9479
				(0.00)	9554
-1	(3.48)	92.45	-1	(47.62)	9567
-2	(6.96)	92.20	-2	(95.24)	9579
-3	(10.43)	91.95	-3	(142.85)	9592
-4	(13.91)	91.70	-4	(190.47)	9605
-5	(17.39)	91.45	-5	(238.09)	9618
-6	(20.87)	91.20	-6	(285.71)	9630
-7	(24.35)	90.95	-7	(333.32)	9643
-8	(27.82)	90.70	-8	(380.94)	9656
-9	(31.30)	90.45	-9	(428.56)	9669
-10	(34.78)	90.20	-10	(476.18)	9681
	<u>WEIGHTING FACTOR =</u>	0.10		<u>WEIGHTING FACTOR =</u>	1.42

← Adj. Act.
EAF= 93.71

← Adj. Act.
HR=9638

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Lauderdale 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	326.87	95.36	+10	1024.44	7031
+9	294.18	95.16	+9	922.00	7048
+8	261.50	94.96	+8	819.55	7065
+7	228.81	94.76	+7	717.11	7082
+6	196.12	94.56	+6	614.67	7099
+5	163.44	94.36	+5	512.22	7117
+4	130.75	94.16	+4	409.78	7134
+3	98.06	93.96	+3	307.33	7151
+2	65.37	93.76	+2	204.89	7168
+1	32.69	93.56	+1	102.44	7185
				0.00	7202
0	0.00	93.36	0	0.00	7277
				(0.00)	7352
-1	(32.68)	93.16	-1	(102.44)	7369
-2	(65.37)	92.96	-2	(204.89)	7386
-3	(98.06)	92.76	-3	(307.33)	7404
-4	(130.74)	92.56	-4	(409.78)	7421
-5	(163.42)	92.36	-5	(512.22)	7438
-6	(196.10)	92.16	-6	(614.67)	7455
-7	(228.79)	91.96	-7	(717.11)	7472
-8	(261.47)	91.76	-8	(819.55)	7489
-9	(294.16)	91.56	-9	(922.00)	7506
-10	(326.84)	91.36	-10	(1024.44)	7523
	<u>WEIGHTING FACTOR =</u>	0.98		<u>WEIGHTING FACTOR =</u>	3.08

← Adj. Act.
EAF = 94.56← Adj. Act.
HR = 7277

**GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997**

UNIT: Lauderdale 5

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	324.91	93.82	+10	420.31	7125
+9	292.42	93.62	+9	378.28	7132
+8	259.93	93.42	+8	336.25	7139
+7	227.44	93.22	+7	294.22	7146
+6	194.95	93.02	+6	252.19	7153
+5	162.46	92.82	+5	210.16	7160
+4	129.96	92.62	+4	168.12	7167
+3	97.47	92.42	+3	126.09	7174
+2	64.98	92.22	+2	84.06	7181
+1	32.49	92.02	+1	42.03	7188
				0.00	7195
0	0.00	91.82	0	0.00	7270
				(0.00)	7345
-1	(32.50)	91.62	-1	(42.03)	7352
-2	(64.99)	91.42	-2	(84.06)	7359
-3	(97.49)	91.22	-3	(126.09)	7366
-4	(129.98)	91.02	-4	(168.12)	7373
-5	(162.48)	90.82	-5	(210.16)	7380
-6	(194.97)	90.62	-6	(252.19)	7387
-7	(227.47)	90.42	-7	(294.22)	7394
-8	(259.96)	90.22	-8	(336.25)	7401
-9	(292.46)	90.02	-9	(378.28)	7408
-10	(324.95)	89.82	-10	(420.31)	7415
	WEIGHTING FACTOR =	0.97		WEIGHTING FACTOR =	1.26

← Adj. Act.
EAP = 92.48← Adj. Act.
HR = 7192

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Fort Myers 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	69.73	78.62	+10	1021.39	9082
+9	62.76	78.37	+9	919.25	9101
+8	55.78	78.12	+8	817.12	9119
+7	48.81	77.87	+7	714.98	9138
+6	41.84	77.62	+6	612.84	9156
+5	34.87	77.37	+5	510.70	9175
+4	27.89	77.12	+4	408.56	9193
+3	20.92	76.87	+3	306.42	9212
+2	13.95	76.62	+2	204.28	9231
+1	6.97	76.37	+1	102.14	9249
				0.00	9268
0	0.00	76.12	0	0.00	9343
				(0.00)	9418
-1	(7.02)	75.87	-1	(102.14)	9436
-2	(14.04)	75.62	-2	(204.28)	9455
-3	(21.06)	75.37	-3	(306.42)	9473
-4	(28.08)	75.12	-4	(408.56)	9492
-5	(35.10)	74.87	-5	(510.70)	9511
-6	(42.12)	74.62	-6	(612.84)	9529
-7	(49.14)	74.37	-7	(714.98)	9548
-8	(56.16)	74.12	-8	(817.12)	9566
-9	(63.18)	73.87	-9	(919.25)	9585
-10	(70.20)	73.62	-10	(1021.39)	9603
	WEIGHTING FACTOR =	0.21		WEIGHTING FACTOR =	3.05

← Adj. Act.
 HRL-9144

← Adj. Act.
 EAPs 76.32

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Martin 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES	
+10	441.67	97.15	← Adj. Act. E/Pe 97.53	+10	176.18	6819
+9	397.50	96.95		+9	158.56	6822
+8	353.34	96.75		+8	140.96	6824
+7	309.17	96.55		+7	123.33	6827
+6	265.00	96.35		+6	105.71	6831
+5	220.84	96.15		+5	88.09	6833
+4	176.67	95.95		+4	70.47	6835
+3	132.50	95.75		+3	52.85	6838
+2	88.33	95.55		+2	35.24	6841
+1	44.17	95.35		+1	17.62	6844
					0.00	6847
0	0.00	95.15		0	0.00	6922
					(0.00)	6997
-1	(44.17)	94.95		-1	(17.62)	6999
-2	(88.34)	94.75		-2	(35.24)	7002
-3	(132.51)	94.55		-3	(52.85)	7005
-4	(176.68)	94.35		-4	(70.47)	7008
-5	(220.86)	94.15		-5	(88.09)	7010
-6	(265.03)	93.95		-6	(105.71)	7013
-7	(309.20)	93.75		-7	(123.33)	7016
-8	(353.37)	93.55		-8	(140.96)	7019
-9	(397.54)	93.35		-9	(158.56)	7021
-10	(441.71)	93.15		-10	(176.18)	7024
						← Adj. Act. HR=7029
	WEIGHTING FACTOR =	1.32		WEIGHTING FACTOR =	0.53	

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Martin 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	650.06	90.06 ← Adj. Act. EAP = 97.70	+10	429.18	6759
+9	585.05	89.71	+9	388.27	6766
+8	520.05	89.36	+8	343.35	6773
+7	455.04	89.01	+7	300.43	6780
+6	390.04	88.66	+6	257.51	6786
+5	325.03	88.31	+5	214.59	6793
+4	260.02	87.96	+4	171.67	6800
+3	195.02	87.61	+3	128.76	6806
+2	130.01	87.26	+2	85.84	6813
+1	65.01	86.91	+1	42.92	6820
				0.00	6827
0	0.00	86.56	0	0.00	6902
				(0.00)	6977
-1	(76.65)	86.21	-1	(42.92)	6983
-2	(153.30)	85.86	-2	(85.84)	6990
-3	(229.96)	85.51	-3	(128.76)	6997
-4	(306.61)	85.16	-4	(171.67)	7004
-5	(383.26)	84.81	-5	(214.59)	7010
-6	(459.91)	84.46	-6	(257.51)	7017
-7	(536.56)	84.11	-7	(300.43)	7024
-8	(613.22)	83.76	-8	(343.35)	7031
-9	(689.87)	83.41	-9	(388.27)	7037
-10	(766.52)	83.06	-10	(429.18)	7044
	<u>WEIGHTING FACTOR =</u>	1.94		<u>WEIGHTING FACTOR =</u>	1.28

← Adj. Act.
HR=6994

**GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997**

UNIT: Port Everglades 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	47.38	97.40	+10	646.81	9272
+9	42.64	97.15	+9	582.13	9283
+8	37.90	96.90	+8	517.45	9295
+7	33.17	96.65	+7	452.77	9307
+6	28.43	96.40	+6	388.09	9318
+5	23.69	96.15	+5	323.41	9330
+4	18.95	95.90	+4	258.73	9341
+3	14.21	95.65	+3	194.04	9353
+2	9.46	95.40	+2	129.36	9364
+1	4.74	95.15	+1	64.68	9376
				0.00	9387
0	0.00	94.90	0	0.00	9462
				(0.00)	9537
-1	(4.75)	94.65	-1	(64.68)	9549
-2	(9.50)	94.40	-2	(129.36)	9561
-3	(14.25)	94.15	-3	(194.04)	9572
-4	(18.99)	93.90	-4	(258.73)	9584
-5	(23.75)	93.65	-5	(323.41)	9595
-6	(28.49)	93.40	-6	(388.09)	9607
-7	(33.24)	93.15	-7	(452.77)	9618
-8	(37.99)	92.90	-8	(517.45)	9630
-9	(42.74)	92.65	-9	(582.13)	9641
-10	(47.49)	92.40	-10	(646.81)	9653
	WEIGHTING FACTOR =	0.14		WEIGHTING FACTOR =	1.93

← Adj. Act.
EAPs 98.03

← Adj. Act.
HR=9603

**GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997**

UNIT: Port Everglades 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES	
+10	46.56	81.06	← Adj. Act. EAF = 84.18	+10	888.53	9284
+9	41.90	80.78		+9	799.68	9284
+8	37.25	80.46		+8	710.83	9304
+7	32.59	80.16		+7	621.97	9324
+6	27.94	79.86		+6	533.12	9344
+5	23.28	79.56		+5	444.27	9364
+4	18.62	79.26		+4	355.41	9384
+3	13.97	78.96		+3	266.56	9404
+2	9.31	78.66		+2	177.71	9424
+1	4.66	78.36		+1	88.85	9444
					0.00	9464
0	0.00	78.06		0	0.00	9539
					(0.00)	9614
-1	(4.66)	77.76		-1	(88.85)	9634
-2	(9.32)	77.46		-2	(177.71)	9654
-3	(13.98)	77.16		-3	(266.56)	9674
-4	(18.64)	76.86		-4	(355.41)	9694
-5	(23.31)	76.56		-5	(444.27)	9714
-6	(27.97)	76.26		-6	(533.12)	9734
-7	(32.63)	75.96		-7	(621.97)	9754
-8	(37.29)	75.66		-8	(710.83)	9774
-9	(41.95)	75.36		-9	(799.68)	9794
-10	(46.61)	75.06		-10	(888.53)	9813
	WEIGHTING FACTOR =	0.14		WEIGHTING FACTOR =	2.85	

← Adj. Act.
HR=8737

**GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997**

UNIT: Putnam 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	157.13	91.84	+10	583.89	8416
+9	141.42	91.59	+9	525.32	8438
+8	125.70	91.34	+8	466.95	8459
+7	109.99	91.09	+7	408.58	8480
+6	94.28	90.84	+6	350.21	8502
+5	78.57	90.59	+5	291.84	8523
+4	62.85	90.34	+4	233.47	8544
+3	47.14	90.09	+3	175.11	8566
+2	31.43	89.84	+2	116.74	8587
+1	15.71	89.59	+1	58.37	8608
				0.00	8630
0	0.00	89.34	0	0.00	8705
				(0.00)	8780
-1	(15.71)	89.09	-1	(58.37)	8801
-2	(31.42)	88.84	-2	(116.74)	8823
-3	(47.13)	88.59	-3	(175.11)	8844
-4	(62.84)	88.34	-4	(233.47)	8865
-5	(78.55)	88.09	-5	(291.84)	8887
-6	(94.25)	87.84	-6	(350.21)	8908
-7	(109.96)	87.59	-7	(408.58)	8929
-8	(125.67)	87.34	-8	(466.95)	8951
-9	(141.38)	87.09	-9	(525.32)	8972
-10	(157.09)	86.84	-10	(583.69)	8993
	WEIGHTING FACTOR =	0.47		WEIGHTING FACTOR =	1.74

← Adj. Act.
EAP = 91.42

← Adj. Act.
HR = 8923

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Putnam 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY		AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	114.84	89.77	← Adj. Act. EAP= 88.78	+10	553.87	8193
+9	103.36	89.57		+9	498.49	8215
+8	91.87	89.37		+8	443.10	8237
+7	80.39	89.17		+7	387.71	8259
+6	68.90	88.97		+6	332.32	8281
+5	57.42	88.77		+5	276.94	8304
+4	45.94	88.57		+4	221.55	8326
+3	34.45	88.37		+3	166.16	8348
+2	22.97	88.17		+2	110.77	8370
+1	11.48	87.97		+1	55.39	8392
					0.00	8414
0	0.00	87.77	0	0.00	8489	
				(0.00)	8564	
-1	(11.48)	87.57	-1	(55.39)	8586	
-2	(22.98)	87.37	-2	(110.77)	8608	
-3	(34.47)	87.17	-3	(166.16)	8630	
-4	(45.96)	86.97	-4	(221.55)	8652	
-5	(57.46)	86.77	-5	(276.94)	8674	
-6	(68.95)	86.57	-6	(332.32)	8697	
-7	(80.44)	86.37	-7	(387.71)	8719	
-8	(91.93)	86.17	-8	(443.10)	8741	
-9	(103.42)	85.97	-9	(498.49)	8763	
-10	(114.91)	85.77	-10	(553.87)	8785	
					← Adj. Act. HR=8822	
	WEIGHTING FACTOR =	0.34		WEIGHTING FACTOR =	1.65	

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Turkey Point 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	3,330.17	85.07	+10	1842.83	10780
+9	2,997.15	84.77	+9	1658.55	10797
+8	2,664.14	84.47	+8	1474.26	10814
+7	2,331.12	84.17	+7	1289.98	10831
+6	1,998.10	83.87	+6	1105.70	10848
+5	1,665.09	83.57	+5	921.42	10865
+4	1,332.07	83.27	+4	737.13	10881
+3	999.05	82.97	+3	552.85	10898
+2	666.03	82.67	+2	368.57	10915
+1	333.02	82.37	+1	184.28	10932
				0.00	10949
					11024
0	0.00	82.07	0	0.00	11099
				(0.00)	11116
-1	(333.18)	81.77	-1	(146.30)	11133
-2	(666.36)	81.47	-2	(292.61)	11149
-3	(999.54)	81.17	-3	(438.91)	11166
-4	(1,332.72)	80.87	-4	(585.22)	11183
-5	(1,665.90)	80.57	-5	(731.52)	11200
-6	(1,999.08)	80.27	-6	(877.82)	11217
-7	(2,332.26)	79.97	-7	(1024.13)	11234
-8	(2,665.44)	79.67	-8	(1170.43)	11251
-9	(2,998.62)	79.37	-9	(1316.74)	11268
-10	(3,331.80)	79.07	-10	(1463.04)	
	WEIGHTING FACTOR =	9.95		WEIGHTING FACTOR =	5.50

← Adj. Act.
EAF = 85.83

← Adj. Act.
HR = 11021

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Turkey Point 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	3,633.33	92.16		1697.35	10844
+9	3,270.00	91.86		1527.62	10859
+8	2,906.66	91.56		1357.88	10873
+7	2,543.33	91.26		1188.15	10888
+6	2,180.00	90.96		1018.41	10903
+5	1,816.67	90.66		848.68	10917
+4	1,453.33	90.36		678.94	10932
+3	1,090.00	90.06		509.21	10947
+2	726.67	89.76		339.47	10961
+1	363.33	89.46		169.74	10976
				0.00	10991
0	0.00	89.16		0.00	11066
				(0.00)	11141
-1	(363.54)	88.86		(130.86)	11155
-2	(727.07)	88.56		(261.72)	11170
-3	(1,090.61)	88.26		(392.58)	11184
-4	(1,454.14)	87.96		(523.44)	11199
-5	(1,817.68)	87.66		(654.31)	11214
-6	(2,181.21)	87.36		(785.17)	11228
-7	(2,544.75)	87.06		(916.03)	11243
-8	(2,908.28)	86.76		(1046.89)	11258
-9	(3,271.82)	86.46		(1177.75)	11272
-10	(3,635.35)	86.16		(1308.61)	11287
	<u>WEIGHTING FACTOR =</u>	10.85		<u>WEIGHTING FACTOR =</u>	5.07

← Adj. Act.
EAP= 94.20

← Adj. Act.
HR=11095

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: StLucie 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	6,753.20	79.50	+10	769.85	10791
+9	6,077.88	79.05	+9	692.87	10795
+8	5,402.56	78.60	+8	615.88	10800
+7	4,727.24	78.15	+7	538.90	10805
+6	4,051.92	77.70	+6	461.91	10809
+5	3,376.60	77.25	+5	384.93	10814
+4	2,701.28	76.80	+4	307.94	10818
+3	2,025.96	76.35	+3	230.96	10823
+2	1,350.64	75.90	+2	153.97	10827
+1	675.32	75.45	+1	76.98	10832
				0.00	10837
0	0.00	75.00	0	0.00	10912
				(0.00)	10987
-1	(675.78)	74.55	-1	(58.32)	10991
-2	(1,351.55)	74.10	-2	(112.63)	10996
-3	(2,027.33)	73.65	-3	(168.95)	11000
-4	(2,703.10)	73.20	-4	(225.26)	11005
-5	(3,378.88)	72.75	-5	(281.58)	11010
-6	(4,054.66)	72.30	-6	(337.89)	11014
-7	(4,730.43)	71.85	-7	(394.21)	11019
-8	(5,406.21)	71.40	-8	(450.52)	11023
-9	(6,081.98)	70.95	-9	(506.84)	11028
-10	(6,757.76)	70.50	-10	(563.15)	11032
	WEIGHTING FACTOR =	20.17		WEIGHTING FACTOR =	2.30

← Avg. Act.
EAF = 87.82← Avg. Act.
HR = 10822

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: St.Lucie 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	3,292.98	84.22	+10	1956.92	10711
+9	2,963.68	83.92	+9	1761.23	10726
+8	2,634.38	83.62	+8	1565.54	10741
+7	2,305.09	83.32	+7	1369.84	10756
+6	1,975.79	83.02	+6	1174.15	10771
+5	1,646.49	82.72	+5	978.46	10786
+4	1,317.19	82.42	+4	782.77	10801
+3	987.89	82.12	+3	587.08	10816
+2	658.60	81.82	+2	391.38	10830
+1	329.30	81.52	+1	195.69	10845
				0.00	10860
0	0.00	81.22	0	0.00	10935
				(0.00)	11010
-1	(329.49)	80.92	-1	(167.82)	11025
-2	(658.99)	80.62	-2	(335.34)	11040
-3	(988.48)	80.32	-3	(502.87)	11055
-4	(1,317.97)	80.02	-4	(670.49)	11070
-5	(1,647.47)	79.72	-5	(838.11)	11085
-6	(1,976.96)	79.42	-6	(1005.73)	11100
-7	(2,306.46)	79.12	-7	(1173.35)	11115
-8	(2,635.94)	78.82	-8	(1340.98)	11130
-9	(2,965.44)	78.52	-9	(1508.60)	11144
-10	(3,294.93)	78.22	-10	(1676.22)	11159
	WEIGHTING FACTOR =	9.84		WEIGHTING FACTOR =	5.85

← Ad. Act.
HR=10916

**GENERATING PERFORMANCE INCENTIVE POINTS TABLES
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997**

UNIT: Scherer 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVING/(LOSS) (\$000)	ADJUSTED ACTUAL AVG. HEAT RATES
+10	976.69	89.13	+10	250.16	9888
+9	878.02	88.88	+9	225.15	9891
+8	781.35	88.63	+8	200.13	9894
+7	683.68	88.38	+7	175.12	9897
+6	586.01	88.13	+6	150.10	9900
+5	488.35	87.88	+5	125.08	9903
+4	390.68	87.63	+4	100.07	9906
+3	293.01	87.38	+3	75.06	9909
+2	195.34	87.13	+2	50.03	9913
+1	97.67	86.88	+1	25.02	9916
				0.00	9919
0	0.00	86.63	0	0.00	9924
				(0.00)	10069
-1	(60.95)	86.38	-1	(25.02)	10072
-2	(121.89)	86.13	-2	(50.03)	10075
-3	(182.84)	85.88	-3	(75.06)	10078
-4	(243.78)	85.63	-4	(100.07)	10081
-5	(304.73)	85.38	-5	(125.08)	10084
-6	(365.67)	85.13	-6	(150.10)	10087
-7	(426.62)	84.88	-7	(175.12)	10091
-8	(487.56)	84.63	-8	(200.13)	10094
-9	(548.51)	84.38	-9	(225.15)	10097
-10	(609.45)	84.13	-10	(250.16)	10100
<hr/> WEIGHTING FACTOR =		2.92	<hr/> WEIGHTING FACTOR =		0.75

← Adj. Act.
HR=10052← Adj. Act.
EAP= 84.88

PLANNED OUTAGE SCHEDULES

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

PLANT/UNIT	ACTUAL OUTAGES	REASON FOR OUTAGE
Cape Canaveral 1	4/5/97 - 4/17/97	OVERHAUL
Cape Canaveral 2	NONE	
Lauderdale 4	5/14/97 - 5/23/97	TURBINE OVERHAUL
Lauderdale 5	11/2/96 - 11/11/96	TURBINE OVERHAUL
Fort Myers 2	10/4/96 - 12/22/96	OVERHAUL
Martin 3	10/1/96 - 10/5/96	TURBINE OVERHAUL
	6/2/97 - 6/4/97	TURBINE OVERHAUL
Martin 4	2/16/97 - 3/8/97	TURBINE OVERHAUL
Port Everglades 3	NONE	
Port Everglades 4	10/10/96 - 10/16/96	OVERHAUL
Pulnam 1	10/17/96 - 11/22/97	OVERHAUL
	4/20/97 - 4/29/97	OVERHAUL
Pulnam 2	3/1/97 - 3/18/97	OVERHAUL
Turkey Point 3	3/3/97 - 4/17/97	REFUELING
Turkey Point 4	9/6/97 - 9/30/97	REFUELING
St. Lucie 1	NONE	
St. Lucie 2	4/13/97 - 5/26/97	REFUELING
Scherer 4	10/10/96 - 11/3/96	OVERHAUL

Docket No.: 980001-EI

FPL Witness: R. Silva

Exhibit No.:

Document 1 Page 24 of 24

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DOCUMENT NO. 2
BEFORE THE PUBLIC SERVICE COMMISSION
FLORIDA POWER & LIGHT COMPANY
REVISED TESTIMONY OF R. SILVA
DOCKET NO. 980001-EI
OCTOBER 5, 1998

Q. Please state your name and business address.

A. My name is Rene Silva and my business address is 700 Universe Boulevard, Juno Beach, Florida 33408.

Q. Mr. Silva, would you please state your present position with Florida Power and Light Company (FPL).

A. I am Manager of Forecasting and Regulatory Response, in the Power Generation Business Unit of FPL.

Q. Mr. Silva, have you previously presented testimony in this docket?

A. Yes, I have.

Q. Mr. Silva, what is the purpose of your testimony?

A. The purpose of my testimony is to report the actual performance for the Equivalent Availability Factor (EAF) and Average Net Operating Heat Rate (ANOHR) for the sixteen (16) generating units used to determine the Generating Performance Incentive Factor (GPIF). I have compared the actual performance of each unit to the targets that were approved in

1 Commission Order No. PSC-96-1172-FOF-EI issued September 19, 1996,
2 for the period October, 1996, through September, 1997, and have performed
3 the calculations prescribed by the GPIF Rule based on this comparison. My
4 testimony presents the result of my calculations, which is an incentive
5 reward for the period.
6

7 **Q. Have you prepared, or caused to have prepared under your direction,**
8 **supervision or control, an exhibit in this proceeding?**

9 A. Yes, I have. It consists of one document. Page 1 of that document is an
10 index to the contents of the document.
11

12 **Q. What is the incentive amount you have calculated for the period**
13 **October, 1996 through September, 1997?**

14 A. I have calculated a GPIF incentive reward of \$ 9,353,960.
15

16 **Q. Please explain how the reward amount is calculated?**

17 A. The steps involved in making this calculation are provided in Document No.
18 1. Page 2 of Document No. 1 provides the GPIF Reward/Penalty Table
19 (Actual) which shows an overall GPIF performance point value of +4.90
20 corresponding to a GPIF reward of \$9,353,960. Page 3 provides the
21 calculation of the maximum allowed incentive dollars. The calculation of
22 the system actual GPIF performance points is shown on page 4. This page
23 lists each unit, the unit's performance indicators (ANOHR and EAF), the
24 weighting factors and the associated GPIF points.
25

1 Page 5 is the actual EAF and adjustments summary. This page lists each of
2 the sixteen (16) units, the actual outage factors and the actual EAF, in
3 columns 1 through 5. Column 6 is the adjustment for planned outage
4 variation. Column 7 is the adjusted actual EAF, which is calculated on page
5 6, and Column 8 is the target EAF. Column 9 contains the Generating
6 Performance Incentive Points for availability as determined from the tables
7 submitted to, and approved by, the Commission prior to the start of the
8 period. These tables are shown on pages 8 through 23.

9
10 Page 7 shows the adjustments to ANOHR. For each of the sixteen (16)
11 units, it shows the target heat rate formula, the actual Net Output Factor
12 (NOF) and the actual ANOHR in columns 1 through 4. Since heat rate
13 varies with NOF, it is necessary to determine both the target and actual heat
14 rates at the same NOF. This adjustment is to provide a common basis for
15 comparison purposes and is shown numerically for each GPIF unit in
16 columns 5 through 8. Column 9 contains the Generating Performance
17 Incentive Points that have been determined from the table submitted for
18 each unit and approved by the Commission prior to the beginning of the
19 period. These tables are also shown on pages 8 through 23.

20
21 **Q. Are there any changes to the targets approved through Commission**
22 **Order No. PSC-96-1172-FOF-EI ?**

23 **A. No, the approved targets have not changed.**
24

1 Q. Please explain the primary reason or reasons why FPL will be
2 rewarded under the GPIF for the October 1996, through September,
3 1997 period ?

4 A. The primary reason that FPL will receive a reward for the period was that
5 Turkey Point Nuclear Units 3 and 4 and St. Lucie Nuclear Units 1 and 2
6 achieved better availability than was targeted.

7
8 Q. Please summarize the effect of FPL's nuclear unit availability on the
9 GPIF reward?

10 A. Turkey Point Unit 3 operated at an adjusted actual EAF of 85.9%,
11 compared to its target of 82.1%. This results in a +10.00 point reward,
12 which corresponds to a GPIF reward of \$1,900,502.

13
14 Turkey Point Unit 4 operated at an adjusted actual EAF of 94.2%, compared
15 to its target of 89.2%. This results in a +10.00 point reward, which
16 corresponds to a GPIF reward of \$2,073,513.

17
18 St. Lucie Unit 1 operated at an adjusted actual EAF of 97.6%, compared to
19 its target of 75.0%. This results in a +10.00 point reward, which
20 corresponds to a GPIF reward of \$3,853,998.

21
22 St. Lucie Unit 2 operated at an adjusted actual EAF of 87.5% , compared to
23 its target of 81.2%. This results in a +10.00 point reward, which
24 corresponds to a GPIF reward of \$1,879,278.

25

1 The total GPIF reward due to the nuclear units' actual availability
2 performance is \$9,707,291.

3
4 **Q. Please summarize each nuclear unit's performance as it relates to the
5 ANOHR of the units.**

6 A. Turkey Point Unit 3 operated with an adjusted actual ANOHR of 11,021
7 BTU/KWH. This ANOHR is within the ± 75 BTU/KWH deadband around
8 the projected target, therefore there is no GPIF reward or penalty.

9
10 Turkey Point Unit 4 operated with an adjusted actual ANOHR of 11,095
11 BTU/KWH. This ANOHR is within the ± 75 BTU/KWH deadband around
12 the projected target, therefore there is no GPIF reward or penalty.

13
14 St. Lucie Unit 1 operated with an adjusted actual ANOHR of 10,922
15 BTU/KWH. This ANOHR is within the ± 75 BTU/KWH deadband around
16 the projected target, therefore there is no GPIF reward or penalty.

17
18 St. Lucie Unit 2 operated with an adjusted actual ANOHR of 10,916
19 BTU/KWH, This ANOHR is within the ± 75 BTU/KWH deadband around
20 the projected target, therefore there is no GPIF reward or penalty.

21
22 In total, the nuclear units' heat rate performance results in no GPIF reward
23 or penalty.

24
25 **Q. What is the total GPIF incentive reward for FPL's nuclear units?**

1 A. \$9,707,291.

2

3 Q. **Mr. Silva, would you summarize the performance of FPL's fossil**
4 **units?**

5 A. Yes eleven (11) of the twelve (12) generating units performed better than
6 their availability targets, while the remaining unit performed worse than its
7 target. The combined fossil unit availability performance results in a GPIF
8 reward of \$716,616

9

10 Two (2) of the units operated with ANOHR's that were better than their
11 projected targets and seven (7) units operated with ANOHR's that were
12 worse than their projected targets. The remaining three (3) units operated
13 with ANOHR's that were within the +/- 75 BTU/KWH deadband around
14 the projected targets and they will receive no incentive reward or penalty.
15 In total, the combined fossil unit heat rate performance results in a GPIF
16 penalty of \$1,069,946

17 In total, the GPIF penalty for FPL's fossil units for the period of October,
18 1996 through September, 1997 is \$353,330.

19

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

21 A. Yes, it does.

22

ERRATA SHEET OF R. Silva Testimony of May 27, 1998			
PAGE	LINE	TESTIMONY SAYS:	TESTIMONY SHOULD SAY:
2	13	\$8,590,204	\$9,353,960
2	18	4.5	4.9
2	19	\$8,590,204	\$9,353,960
5	6	11,113	11,021
5	7	"which is 89 BTU/KWH higher than the projected target. This"	"This ANOHR is within the \pm 75 BTU/KWH deadband around"
5	8	"Results in a -0.83 point penalty, which corresponds to a GPIF penalty of"	"The projected target, therefore there is no GPIF reward or penalty."
5	9	\$87,399.	N/A
5	11	11,243	10,922
5	12	"which is 177 BTU/KWH higher than the projected target."	"This ANOHR is within the \pm 75 BTU/KWH deadband around"
5	13	"This results in a -.6.98 point penalty, which corresponds to a GPIF penalty"	"The projected target, therefore there is no GPIF reward or penalty."
5	14	"of \$676,358."	N/A
5	24	"in a GPIF penalty of"	"In no GPIF reward"
5	25	"\$763,756"	"or penalty"
6	3	"\$8,943,534"	"\$9,707,291"
Sheet 6.203.002	7, Col. 2	4.50	4.90
Sheet 6.203.002	7, Col. 4	8590.20	9353.96
Sheet 6.203.004	12b, Col. 4	-.83	0.00
Sheet 6.203.004	12b, Col. 5	-.0457	0.00
Sheet 6.203.004	13b, Col. 4	-6.98	0.00
Sheet 6.203.004	13b, Col. 5	-.3540	0.00

ERRATA SHEET OF R. Silva Testimony of May 27, 1998			
PAGE	LINE	TESTIMONY SAYS:	TESTIMONY SHOULD SAY:
Sheet 6.203.004	17, Col.5	4.50	4.90
Sheet 6.203.005	12, Col. 2	1.8	1.7
Sheet 6.203.006	12, Col. 3	154.2	152.5
Sheet 6.203.006	12, Col. 4	2.8	2.7
Sheet 6.203.006	13, Col. 3	106.5	105.7
Sheet 6.203.006	13, Col. 4	14.3	13.7
Sheet 6.203.006	13, Col. 5	651.9	650.9
Sheet 6.203.007	12, Col. 3	104.2	100.2
Sheet 6.203.007	12, Col. 5	10928	11020
Sheet 6.203.007	12, Col. 6	89	-3
Sheet 6.203.007	12, Col. 8	11113	11021
Sheet 6.203.007	12, Col. 9	-0.83	0.00
Sheet 6.203.007	12, Col. 10	-121.6	0.00
Sheet 6.203.007	13, Col. 3	105.0	100.9
Sheet 6.203.007	13, Col. 5	10886	11034
Sheet 6.203.007	13, Col. 6	177	29
Sheet 6.203.007	13, Col. 8	11243	11095
Sheet 6.203.007	13, Col. 9	-8.98	0.00
Sheet 6.203.007	13, Col. 10	-913.7	0.00

ERRATA SHEET OF R. Silva Testimony of May 27, 1998			
PAGE	LINE	TESTIMONY SAYS:	TESTIMONY SHOULD SAY:
Sheet 6.203.007	17, Col. 10	-2910.1	-1874.8
Sheet 6.203.019	11a, Col. 7	11113	line 10a, Col.7 11021
Sheet 6.203.020	17, Col. 7	11243	line 11, Col.7 11095

The reason for all the changes in the table above is to reflect in the GPIF results, the thermal uprate of both Turkey Point 3 and 4, and the corresponding net summer capacity increase from 666 MW to 693 MW, which was implemented in October 1996 but not reflected in the monthly reports to the FPSC Staff. Sheets 6.203.002, 6.203.004, 6.203.005, 6.203.006, 6.203.007, 6.203.019, and 6.203.020 in Document 1 of the original testimony have changed, the revised sheets are provided in revised Document 1.

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE (ACTUAL)

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

<i>Col.1</i> GENERATING PERFORMANCE INCENTIVE POINTS (GPIF)	<i>Col.2</i> FUEL SAVINGS/(LOSS) (\$000)	<i>Col.3</i>	<i>Col.4</i>	<i>Col.5</i> GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+ 10	33,479.00			19,106.36
+ 9	30,131.10			17,195.73
+ 8	26,783.20			15,285.09
+ 7	23,435.30			13,374.46
+ 6	20,087.40			11,463.82
+ 5	16,739.50			9,553.18
+ 4	13,391.60	4.90	9,353.96	7,642.55
+ 3	10,043.70	4.50	8,590.20	5,731.91
+ 2	6,695.80			3,821.27
+ 1	3,347.90			1,910.64
0	0.00			0.00
- 1	(3,198.30)			(1,910.64)
- 2	(6,396.60)			(3,821.27)
- 3	(9,594.90)			(5,731.91)
- 4	(12,793.20)			(7,642.55)
- 5	(15,991.50)			(9,553.18)
- 6	(19,189.80)			(11,463.82)
- 7	(22,388.10)			(13,374.46)
- 8	(25,586.40)			(15,285.09)
- 9	(28,784.70)			(17,195.73)
- 10	(31,983.00)			(19,106.36)

OCTOBER, 1996 THROUGH SEPTEMBER, 1997

DERIVATION OF SYSTEM ACTUAL GPIF POINTS

Line	Col. 1 PILANT/UNIT	Col. 2 PERFORMANCE INDICATOR	Col. 3 WEIGHTING FACTOR %	Col. 4 UNIT POINTS	Col. 5 WEIGHTED UNIT POINTS
1	Cape Canaveral 1	EAF	0.12	6.18	0077
		ANHR	1.49	0.00	0000
2	Cape Canaveral 2	EAF	0.10	4.06	0042
		ANHR	1.42	-6.56	-0933
3	Ft. Lauderdale 4	EAF	0.98	10.00	0976
		ANHR	3.06	0.00	0000
4	Ft Lauderdale 5	EAF	0.97	3.33	0323
		ANHR	1.26	0.35	0043
5	Ft. Myers 2	EAF	0.21	0.79	0017
		ANHR	3.05	5.59	.1707
6	Martin 3	EAF	1.32	10.00	.1319
		ANHR	0.53	-10.00	-.0526
7	Martin 4	EAF	1.94	10.00	.1942
		ANHR	1.28	-2.53	-.0324
8	Port Everglades 3	EAF	0.14	10.00	0142
		ANHR	1.93	-5.70	-.1102
9	Port Everglades 4	EAF	0.14	10.00	0139
		ANHR	2.65	-6.17	-.1639
10	Putnam 1	EAF	0.47	8.29	0389
		ANHR	1.74	-6.72	-.1172
11	Putnam 2	EAF	0.34	10.00	0343
		ANHR	1.65	-10.00	-.1654
12A	Turkey Point 3	EAF	9.95	10.00	9947
12B		ANHR	5.50	-0.83	-0.00
13A	Turkey Point 4	EAF	10.85	10.00	10852
13B		ANHR	5.07	-6.98	-0.00
14	St. Lucie 1	EAF	20.17	10.00	20171
		ANHR	2.30	0.00	0000
15	St. Lucie 2	EAF	9.84	10.00	9836
		ANHR	5.85	0.00	0000
16	Scherer 4	EAF	2.92	-6.71	-1958
		ANHR	0.75	0.00	0000
17	GPIF System Total:		100.00		4.50 4.90

Issued by: Florida Power & Light Company

Docket No.: 980001-EI

FPL Witness: R. Silva

Exhibit No.:

Document 1 Page 4 of 24

ACTUAL EQUIVALENT AVAILABILITY AND ADJUSTMENTS

OCTOBER 1996 THRU SEPTEMBER 1997

line	UNIT	ACTUAL			EA	PLANNED OUTAGE ADJ TO EA (1)	ADJUSTED ACTUAL EA	TARGET EA	POINTS FROM TABLES	ORIGINAL PLANNED DATES	ACTUAL DATES	ACTUAL FUEL SAVINGS/ (LOSS) (\$000)
		Col. 1 FOF	Col. 2 MOF	POF								
1	Cape Canaveral 1	0.4	4.4	3.3	91.9	1.5	95.0	93.5	6.18	NONE	4/5/97 - 4/17/97	25.8
2	Cape Canaveral 2	0.5	5.8	0.0	93.7	1.0	93.7	92.7	4.06	NONE	NONE	14.1
3	Lauderdale 4	0.4	0.3	2.9	96.4	3.2	96.5	93.4	10.00	03/15/97 - 03/24/97	5/14/97 - 5/23/97	326.9
4	Lauderdale 5	0.4	2.8	6.1	90.7	0.7	92.5	91.8	3.33	11/02/96 - 11/17/96	11/2/96 - 11/11/96	108.1
5	Fort Myers 2	1.4	3.0	22.6	73.0	0.2	76.3	76.1	0.79	10/05/96 - 12/13/96	10/4/96 - 12/22/96	5.5
6	Martin 3	0.1	0.9	1.3	97.8	2.4	97.5	95.2	10.00	10/01/96 - 10/05/96	10/1/96 - 10/5/96	441.7
7	Martin 4	0.1	0.7	2.9	96.4	11.1	97.7	86.6	10.00	02/15/97 - 02/26/97	2/16/97 - 3/8/97	650.1
8	Port Everglades 3	1.3	0.6	0.0	98.0	3.1	98.0	94.9	10.00	NONE	NONE	47.4
9	Port Everglades 4	0.6	0.0	1.9	97.5	6.1	84.2	78.1	10.00	03/01/97 - 04/25/97	10/10/96 - 10/16/96	46.6
10	Putnam 1	1.7	1.5	8.0	88.8	2.1	91.4	89.3	8.29	11/16/96 - 12/13/96	10/17/96 - 11/22/96	130.2
11	Putnam 2	0.5	2.2	5.4	91.9	2.0	89.8	87.8	10.00	03/15/97 - 04/11/97	3/1/97 - 3/18/97	114.8
12	Turkey Point 3	1.8	1.7	0.0	85.9	3.8	85.9	82.1	10.00	03/01/97 - 04/21/97	3/3/97 - 4/17/97	3330.2
13	Turkey Point 4	1.2	0.2	7.4	91.2	5.0	94.2	89.2	10.00	09/15/97 - (09/30/97)	9/6/97 - 9/30/97	3633.3
14	St. Lucie 1	2.4	0.0	0.0	97.8	22.6	97.6	75.0	10.00	NONE	NONE	6753.2
15	St. Lucie 2	0.1	0.1	11.9	87.9	6.2	87.5	81.2	10.00	04/15/97 - 5/29/97	4/13/97 - 5/26/97	3293.0
16	Scherer 4	6.7	0.7	7.0	85.6	-1.7	84.9	86.6	-6.71	9/15/96 - 9/30/96	10/10/96 - 11/3/96	-409.0
18511.8												

(1) EQUIVALENT AVAILABILITY ADJUSTMENT DUE TO PLANNED OUTAGE ACTUAL DURATION VERSUS TARGETED DURATION. SEE SHEET 6 203 006 FOR FORMULAS AND CALCULATION DATA.

EQUIVALENT AVAILABILITY ADJUSTMENTS
PERIOD OF: OCTOBER 1996 THRU SEPTEMBER 1997

line	PLANT / UNIT	ACTUAL				TARGETS		ADJUSTED ACTUAL EAF%
		PH	EFOH	EMOH	EPOH	POF%	POH	
1	Cape Canaveral 1	8760	36.5	383.2	290.7	0.0	0.0	95.0
2	Cape Canaveral 2	8760	40.0	510.6	0.0	0.0	0.0	93.7
3	Lauderdale 4	8760	36.6	29.5	253.7	2.7	236.5	96.5
4	Lauderdale 5	8760	31.9	245.1	533.9	4.4	385.4	92.5
5	Fort Myers 2	8760	120.7	259.8	1980.7	19.2	1681.9	76.3
6	Martin 3	8760	11.2	75.4	110.2	1.5	131.4	97.5
7	Martin 4	8760	5.5	57.0	255.5	1.6	140.2	97.7
8	Port Everglades 3	8760	118.1	56.2	0.0	0.0	0.0	98.0
9	Port Everglades 4	8760	51.5	0.0	168.2	15.3	1340.3	84.2
10	Putnam 1	8760	151.1	128.6	698.9	5.5	481.8	91.4
11	Putnam 2	8760	46.0	189.3	471.4	7.7	674.5	89.8
12	Turkey Point 3	8760	154.2	2.8	1077.3	12.3	1077.5	85.9
13	Turkey Point 4	8760	106.5	14.3	651.9	4.4	385.4	94.2
14	St. Lucie 1	8760	208.8	0.0	0.7	0.0	0.0	97.6
15	St. Lucie 2	8760	10.6	10.0	1041.6	12.3	1077.5	87.5
16	Scherer 4	8760	590.3	58.6	611.6	7.7	674.5	84.9

Col.1
 Col.2
 Col.3
 Col.4
 Col.5

152.5
 105.7
 2.7
 13.7
 650.9

$$\text{ADJ. ACTUAL EAF\%} = 100\% - \text{POF}_T - \frac{(\text{EFOH}_A + \text{EMOH}_A) \times \frac{\text{PH} - \text{POH}_T}{\text{PH} - \text{POH}_A}}{\text{PH}} \times 100\%$$

ACTUAL EQUIVALENT AVAILABILITY AND ADJUSTMENTS

OCTOBER 1996 THRU SEPTEMBER 1997

1	2	3	4	5	6	7	8	9	10	
UNIT	HEAT RATE (1) FORMULA	ACTUAL		TARGET (2)	ADJUST.(3)	ADJUST.(5)		GPIF(6) FROM TABLE	ACTUAL FUEL SAV./(LOSS) \$000	
		NOF %	ANOHR BTU/KWH	ANOHR AT ACTUAL NOF BTU/KWH	TO ANOHR BTU/KWH	TARGET (4) ANOHR BTU/KWH	ACTUAL ANOHR BTU/KWH			
1 Cape Canaveral 1	ANOHR= -8.31 NOF +	10053	61.1	9553	9545	7	9428	9435	0.00	0.0
2 Cape Canaveral 2	ANOHR= -8.86 NOF +	10017	60.5	9760	9602	159	9479	9638	-6.56	-312.5
3 Lauderdale 4	ANOHR= -11.60 NOF +	8438	88.0	7417	7416	0	7277	7277	0.00	0.0
4 Lauderdale 5	ANOHR= -18.35 NOF +	9105	86.2	7445	7523	-77	7270	7193	0.35	14.5
5 Fort Myers 2	ANOHR= -13.55 NOF +	10532	69.9	9407	9586	-179	9343	9154	5.59	571.4
6 Martin 3	ANOHR= -4.92 NOF +	7413	95.4	7052	6944	108	6922	7029	-10.00	-176.2
7 Martin 4	ANOHR= -2.72 NOF +	7174	94.2	7009	6917	92	6902	6994	-2.53	-108.4
8 Port Everglades 3	ANOHR= -20.53 NOF +	11164	57.9	10116	9976	141	9462	9603	-5.70	-368.8
9 Port Everglades 4	ANOHR= -22.19 NOF +	11198	55.2	10172	9974	198	9539	9737	-6.17	-548.6
10 Putnam 1	ANOHR= -6.03 NOF +	9308	79.8	9045	8827	219	8705	8923	-6.72	-392.4
11 Putnam 2	ANOHR= -13.97 NOF +	9847	80.3	9059	8726	333	8489	8822	-10.00	-553.9
12 Turkey Point 3	ANOHR= -22.75 NOF +	13299	104.2	11017	10928	89	11024	11113	-0.83	-121.6
13 Turkey Point 4	ANOHR= -36.21 NOF +	14687	105.0	11063	10886	177	11066	11243	-6.98	-913.7
14 St. Lucie 1	ANOHR= -24.56 NOF +	13368	99.7	10928	10918	10	10912	10922	0.00	0.0
15 St. Lucie 2	ANOHR= -28.96 NOF +	13831	99.5	10931	10950	-19	10935	10916	0.00	0.0
16 Scherer 4	ANOHR= -0.02 NOF +	9995	90.6	10052	9994	58	9994	10052	0.00	0.0

- 1) THESE FORMULAS ARE AS APPROVED BY THE COMMISSION IN THE PROJECTED DATA AND REFLECT ON MONTHLY ACTUAL DATA
- 2) CALCULATED FROM ANOHR FORMULA IN COLUMN 2 USING ACTUAL NOF IN COLUMN 3
- 3) ADJUSTMENT TO ANOHR=ACTUAL ANOHR - TARGET ANOHR AT ACTUAL NOF (COLUMN 6 = COLUMN 4 - COLUMN 5)
- 4) AT TARGET NOF AS APPROVED BY THE COMMISSION IN PROJECTED DATA
- 5) AT TARGET NOF, ADJUSTED ACTUAL ANOHR = TARGET ANOHR + ADJUSTMENTS (COLUMN 8 = COLUMN 7 + COLUMN 6)
- 6) OBTAINED FROM GPIF POINTS TABLES AS APPROVED BY THE COMMISSION IN PROJECTED TARGETS.

Line 17 -2910.1 -1874.8

{0.00 {0.00
{0.00 {0.00

Issued by: Florida Power & Light Company

Docket No.: 980001-EI

FPL Witness: R. Silva

Exhibit No.:

Document 1 Page 7 of 24

100.2 11024 -3 11021
100.9 11034 29 11095

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

UNIT: Turkey Point 3

LINE	Col. 1 EQUIVALENT AVAILABILITY POINTS	Col. 2 FUEL SAVINGS/(LOSS) (\$000)	Col. 3 ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	Col. 4 AVERAGE HEAT RATE POINTS	Col. 5 FUEL SAVING/(LOSS) (\$000)	Col. 6 ADJUSTED ACTUAL AVG. HEAT RATES	Col. 7
1	+10	3,330.17	85.07	+10	1842.83	10780	
2	+9	2,997.15	84.77	+9	1658.55	10797	
3	+8	2,664.14	84.47	+8	1474.26	10814	
4	+7	2,331.12	84.17	+7	1289.98	10831	
5	+6	1,998.10	83.87	+6	1105.70	10848	
6	+5	1,665.09	83.57	+5	921.42	10865	
7	+4	1,332.07	83.27	+4	737.13	10881	
8	+3	999.05	82.97	+3	552.85	10898	
9	+2	666.03	82.67	+2	368.57	10915	
10	+1	333.02	82.37	+1	184.28	10932	
10a					0.00	10949	← ADJACT HR=11021
11	0	0.00	82.07	0	0.00	11024	
11a					(0.00)	11099	← Adj. Act. HR=11113
12	-1	(333.18)	81.77	-1	(146.30)	11116	
13	-2	(666.36)	81.47	-2	(292.61)	11133	
14	-3	(999.54)	81.17	-3	(438.91)	11149	
15	-4	(1,332.72)	80.87	-4	(585.22)	11166	
16	-5	(1,665.90)	80.57	-5	(731.52)	11183	
17	-6	(1,999.08)	80.27	-6	(877.82)	11200	
18	-7	(2,332.26)	79.97	-7	(1024.13)	11217	
19	-8	(2,665.44)	79.67	-8	(1170.43)	11234	
20	-9	(2,998.62)	79.37	-9	(1316.74)	11251	
21	-10	(3,331.80)	79.07	-10	(1463.04)	11268	
		WEIGHTING FACTOR =	9.95		WEIGHTING FACTOR =	5.50	

GENERATING PERFORMANCE INCENTIVE POINTS TABLES
 FLORIDA POWER & LIGHT COMPANY
 PERIOD OF: OCTOBER 1996 THROUGH SEPTEMBER 1997

Col. 1 EQUIVALENT AVAILABILITY POINTS		Col. 2 FUEL SAVINGS/(LOSS) (\$000)	UNIT: Turkey Point 4 Col. 3 ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	Col. 4 AVERAGE HEAT RATE POINTS	Col. 5 FUEL SAVING/(LOSS) (\$000)	Col. 6 Col. 7 ADJUSTED ACTUAL AVG. HEAT RATES	
1	+10	3,633.33	92.16	← Adj. Act. EAP= 94.18	+10	1697.35	10844
2	+9	3,270.00	91.86		+9	1527.62	10859
3	+8	2,906.66	91.56		+8	1357.88	10873
4	+7	2,543.33	91.26		+7	1188.15	10888
5	+6	2,180.00	90.96		+6	1018.41	10903
6	+5	1,816.67	90.66		+5	848.68	10917
7	+4	1,453.33	90.36		+4	678.94	10932
8	+3	1,090.00	90.06		+3	509.21	10947
9	+2	726.67	89.76		+2	339.47	10961
10	+1	363.33	89.46		+1	169.74	10976
						0.00	10991
11	0	0.00	89.16		0	0.00	11066 ← Adj Act HR=11015
12	-1	(363.54)	88.86		(0.00)		11141
13	-2	(727.07)	88.56		(130.86)		11155
14	-3	(1,090.61)	88.26		(261.72)		11170
15	-4	(1,454.14)	87.96		(392.58)		11184
16	-5	(1,817.68)	87.66		(523.44)		11199
17	-6	(2,181.21)	87.36		(654.31)		11214
18	-7	(2,544.75)	87.06		(785.17)		11228
19	-8	(2,908.28)	86.76		(916.03)		11243 ← Adj Act HR=11243
20	-9	(3,271.82)	86.46		(1046.89)		11258
21	-10	(3,635.35)	86.16		(1177.75)		11272
					(1308.61)		11287
WEIGHTING FACTOR =			10.85		WEIGHTING FACTOR =		5.07

DOCUMENT NO. 4

**CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997**

CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997

RELEVANT EQUATIONS

1) THE CALCULATION OF REWARD/PENALTY POINTS PRESENTED IN THIS EXHIBIT ARE ACCORDING TO THE GPIF MANUAL SHEET NO. 3.403

2) $\text{ADJUSTED (ACTUAL) ANOHR} = \text{ACTUAL (UNADJUSTED) ANOHR} - \text{TARGET ANOHR (ACTUAL NOF)} + \text{TARGET ANOHR}$

WHERE:

3) $\text{TARGET ANOHR (ACTUAL NOF)} = -b \text{ COEFFICIENT} \times \text{ACTUAL NOF} + a \text{ COEFFICIENT}$

AND WHERE:

4) $\text{ACTUAL NOF} = (\text{SYNCHRONOUS PERIOD GENERATION}) / (\text{RATED CAPACITY OF UNIT} \times \text{SERVICE HOURS IN PERIOD})$

5) IF THE "ANOHR DIFFERENCE" BETWEEN THE "TARGET ANOHR" AND THE "ADJUSTED (ACTUAL) ANOHR" IS GREATER THAN +/- 75 BTU/KWH, THERE WILL BE A REWARD OR PENALTY; IF IT IS SMALLER THAN +/- 75 BTU/KWH, THERE WILL BE NEITHER REWARD OR PENALTY.

WHERE:

6) $\text{ANOHR DIFFERENCE} = \text{TARGET ANOHR} - \text{ADJUSTED (ACTUAL) ANOHR}$

NOTE:

ANOHR = AVERAGE NET OPERATING HEAT RATE

b COEFFICIENT = HEAT RATE EQUATION SLOPE

NOF = NET OUTPUT FACTOR

a COEFFICIENT = HEAT RATE EQUATION INTERCEPT

CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997

PTN3
UNIT RATED CAPACITY AT 666 MW

UNIT RATE CAPACITY:	666 MW
SYNCHRONOUS PERIOD GENERATION:	5,255,353 MWH
SERVICE HOURS IN PERIOD:	7,571 HOURS
ACTUAL (UNADJUSTED) ANOHR:	11,017 BTU/KWH
TARGET ANOHR:	11,024 BTU/KWH

CALCULATIONS

ACTUAL NOF = $(5,255,353) / (666 \text{ MW} \times 7,571 \text{ HOURS}) = 104.2 \%$
TARGET ANOHR AT ACTUAL NOF = $(-22.75 \times 104.2 \% + 13,299) = 10,928 \text{ BTU/KWH}$
ADJUSTED (ACTUAL) ANOHR = $11,017 - 10,928 + 11,024 = 11,113 \text{ BTU/KWH}$
ANOHR DIFFERENCE = $11,024 - 11,113 = -89 \text{ BTU/KWH}$

CONCLUSIONS

SINCE THIS "ANOHR DIFFERENCE" (-89 BTU/KWH) IS GREATER THAN -75 BTU/KWH, THERE IS A PENALTY

WEIGHTED GPIF POINTS = -0.0457

GPIF PENALTY = -\$87,399

CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997

PTN4
UNIT RATED CAPACITY AT 666 MW

UNIT RATE CAPACITY: 666 MW
SYNCHRONOUS PERIOD GENERATION: 5,6256,28 MWH
SERVICE HOURS IN PERIOD: 8,047 HOURS
ACTUAL (UNADJUSTED) ANOHR: 11,063 BTU/KWH
TARGET ANOHR: 11,066 BTU/KWH

CALCULATIONS

ACTUAL NOF = $(5,6256,28)/(666 \text{ MW} \times 8,047 \text{ HOURS}) = 105 \%$
TARGET ANOHR AT ACTUAL NOF = $(-36.21 \times 105 \% + 14,687) = 10,886 \text{ BTU/KWH}$
ADJUSTED (ACTUAL) ANOHR = $11,063 - 10,886 + 11,066 = 11,243 \text{ BTU/KWH}$
ANOHR DIFFERENCE = $11,066 - 11,243 = -177 \text{ BTU/KWH}$

CONCLUSIONS

SINCE THIS "ANOHR DIFFERENCE" (-177 BTU/KWH) IS GREATER THAN -75 BTU/KWH, THERE IS A PENALTY

WEIGHTED GPIF POINTS = -.354

GPIF PENALTY = -\$763,756

**CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997**

**PTN3
UNIT RATED CAPACITY AT 693 MW**

UNIT RATE CAPACITY:	693 MW
SYNCHRONOUS PERIOD GENERATION:	5,255,353 MWH
SERVICE HOURS IN PERIOD:	7,571 HOURS
ACTUAL (UNADJUSTED) ANOHR:	11,017 BTU/KWH
TARGET ANOHR:	11,024 BTU/KWH

CALCULATIONS

ACTUAL NOF = $(5,255,353)/(693 \text{ MW} \times 7,571 \text{ HOURS}) = 100.2 \%$

TARGET ANOHR AT ACTUAL NOF = $(-22.75 \times 100.2 \% + 13,299) = 11,020 \text{ BTU/KWH}$

ADJUSTED (ACTUAL) ANOHR = $11,017 - 11,020 + 11,024 = 11,021 \text{ BTU/KWH}$

ANOHR DIFFERENCE = $11,024 - 11,021 = 3 \text{ BTU/KWH}$

CONCLUSIONS

SINCE THIS "ANOHR DIFFERENCE" (3 BTU/KWH) IS LESS THAN 75 BTU/KWH, THERE IS NO REWARD OR PENALTY

WEIGHTED GPIF POINTS = 0

GPIF PENALTY = 0

CALCULATION OF REWARD/PENALTY POINTS
TURKEY POINT UNITS 3 AND 4
OCTOBER 1996 THROUGH SEPTEMBER 1997

PTN4
UNIT RATED CAPACITY AT 693 MW

UNIT RATE CAPACITY:	693 MW
SYNCHRONOUS PERIOD GENERATION:	5,625,628 MWH
SERVICE HOURS IN PERIOD:	8,047 HOURS
ACTUAL (UNADJUSTED) ANOHR:	11,063 BTU/KWH
TARGET ANOHR:	11,066 BTU/KWH

CALCULATIONS

ACTUAL NOF = $(5,625,628)/(693 \text{ MW} \times 8,047 \text{ HOURS}) = 100.9 \%$
TARGET ANOHR AT ACTUAL NOF = $(-36.21 \times 100.9 \% + 14,687) = 11,034 \text{ BTU/KWH}$
ADJUSTED (ACTUAL) ANOHR = $11,063 - 11,034 + 11,066 = 11,095 \text{ BTU/KWH}$
ANOHR DIFFERENCE = $11,066 - 11,095 = -29 \text{ BTU/KWH}$

CONCLUSIONS

SINCE THIS "ANOHR DIFFERENCE" (-29 BTU/KWH) IS LESS THAN -75 BTU/KWH, THERE IS NO REWARD OR PENALTY

WEIGHTED GPIF POINTS = 0

GPIF PENALTY = 0