

**BEFORE THE FLORIDA  
PUBLIC SERVICE COMMISSION**

**DOCKET NO. 080001-EI  
FLORIDA POWER & LIGHT COMPANY**

**September 2, 2008**

**GENERATING PERFORMANCE INCENTIVE FACTOR**

**JANUARY 2009 THROUGH DECEMBER 2009**

**TESTIMONY & EXHIBITS OF:**

**F. Irizarry**

DOCUMENT NUMBER-DATE  
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**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**  
**FLORIDA POWER & LIGHT COMPANY**  
**TESTIMONY OF FRANK IRIZARRY**  
**DOCKET NO. 080001-EI**  
**SEPTEMBER 2, 2008**

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

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

**Q. Would you please state your present position with Florida Power and Light Company (FPL).**

A. I am the Director of Generation Repair and Service and Business Services in the Power Generation Division of FPL.

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

A. The purpose of my testimony is to present the target unit equivalent availability factors (EAF) and the target unit average net operating heat rates (ANOHR) for the period of January through December, 2009, for use in determining the Generating Performance Incentive Factor (GPIF).

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

A. Yes, I have. It is identified as Exhibit FI-2. The first page of this exhibit is an index to the contents of the exhibit. All other pages are

1            numbered according to the GPIF Manual as approved by the  
2            Commission.

3            **Q.    Please summarize the 2009 system targets for EAF and ANOHR**  
4            **for the units to be considered in establishing the GPIF for FPL.**

5            A.    For the period of January through December, 2009, FPL projects a  
6            weighted system equivalent planned outage factor of 5.3% and a  
7            weighted system equivalent unplanned outage factor of 7.1%, which  
8            yield a weighted system equivalent availability target of 87.6%. The  
9            targets for this period reflect planned refueling outages for three  
10           nuclear units. FPL also projects a weighted system average net  
11           operating heat rate target of 8,346 Btu/kWh for the period January  
12           through December, 2009. As discussed later in this testimony, these  
13           targets represent fair and reasonable values when compared to  
14           historical data. Therefore, FPL requests that the targets for these  
15           performance indicators be approved by the Commission.

16           **Q.    Have you established target levels of performance for the units**  
17           **to be considered in establishing the GPIF for FPL?**

18           A.    Yes, I have. Exhibit FI-2, pages 6 and 7, contains the information  
19           summarizing the targets and ranges for EAF and ANOHR for the 12  
20           generating units which FPL proposes to be considered as GPIF units  
21           for the period of January through December, 2009. All of these  
22           targets have been derived utilizing the methodologies adopted in the  
23           GPIF Manual.

1 **Q. Please summarize FPL's methodology for determining**  
2 **equivalent availability targets.**

3 A. The GPIF Manual requires that the EAF target for each unit be  
4 determined as the difference between 100% and the sum of the  
5 equivalent planned outage factor (EPOF) and the equivalent  
6 unplanned outage factor (EUOF). The EPOF for each unit is  
7 determined by the length of the planned outage, if any, scheduled for  
8 the projected period. The EUOF is determined by the sum of the  
9 historical average equivalent forced outage factor (EFOF) and the  
10 equivalent maintenance outage factor (EMOF). The EUOF is then  
11 adjusted to reflect recent unit performance and known unit  
12 modifications or equipment changes.

13 **Q. Please summarize FPL's methodology for determining ANOHR**  
14 **targets.**

15 A. To develop the ANOHR targets, historic ANOHR vs. unit net output  
16 factor curves are developed for each GPIF unit. The historic data is  
17 analyzed for any unusual operating conditions and changes in  
18 equipment that will materially affect the predicted heat rate. A  
19 regression equation that best fits the data is calculated and a  
20 statistical analysis of the historic ANOHR variance with respect to the  
21 best fit curve is also performed to identify unusual observations. The  
22 resulting equation is used to project ANOHR for the unit using the net  
23 output factor from the POWERSYM model. This projected ANOHR

1 value is then used in the GPIF tables and in the calculations to  
2 determine the possible fuel savings or losses due to improvements or  
3 degradations in heat rate performance. This process is consistent  
4 with the GPIF Manual.

5 **Q. How did you select the units to be considered when establishing**  
6 **the GPIF for FPL?**

7 A. The GPIF units were selected in accordance with the GPIF Manual  
8 using the estimated net generation for each unit taken from the  
9 production costing simulation program, POWRSYM, which forms the  
10 basis for the projected levelized fuel cost recovery factor for the  
11 period. The 12 units which FPL proposes to use for the period of  
12 January through December 2009 represent the top 80.8% of the total  
13 forecasted system net generation for this period excluding three  
14 units: Turkey Point Unit 5 and West County Units 1&2. These three  
15 units are new units for 2007 and 2009 respectively and were  
16 excluded from the GPIF calculation because there is insufficient  
17 historical data to include them. Therefore, consistent with the GPIF  
18 Manual, the above mentioned units will be excluded from the GPIF  
19 calculations until we have enough operating history to use in  
20 projecting future performance.

21 **Q. Do FPL's EAF and ANOHR performance targets represent a**  
22 **reasonable level of generation efficiency?**

23 A. Yes, they do.

1 Q. Does this conclude your testimony?

2 A. Yes, it does.

**DOCUMENT NO. 1**

**WITNESS: FRANK IRIZARRY**

**GENERATING PERFORMANCE INCENTIVE FACTOR**

**JANUARY THROUGH DECEMBER, 2009**

**FI-2**

**DOCKET NO. 080001-EI**

**FPL Witness: Frank Irizarry**

**Exhibit No.:** \_\_\_\_\_

**Pages 1 - 23**

**September 2, 2009**

**DOCUMENT NUMBER 1 INDEX****FLORIDA POWER & LIGHT COMPANY****JANUARY THROUGH DECEMBER, 2009**

<b><u>DOCUMENT</u></b>	<b><u>PAGE NUMBER</u></b>	<b><u>TITLE</u></b>
1	7.201.001	Index
	7.201.002 to 7.201.003	Generating Unit Selection Criteria
	7.201.004	GPIF Reward/(Penalty) Table (Estimated)
	7.201.005	GPIF calculation of Maximum Allowed Dollars (Estimated)
	7.201.006 and 7.201.007	GPIF Target and Range Summary
	7.201.008	GPIF Predicted Unit Heat Rates
	7.201.009	Derivation of Weighting Factors
	7.201.010	Estimated Unit Performance Data
	7.201.011 - 7.201.022	Unit MOF and FOF vs Time Graphs
	7.201.023	Planned Outages Schedule (Estimated)



**Table 2.0**  
**POWRSYM Projected System Generation**  
**January Through December, 2009**

<u>Name</u>	<u>Capacity (MW)</u>	<u>Service Hours</u>	<u>Net Output MWH</u>	<u>NOF %</u>	<u>% of Total Output</u>	<u>Cumulative % of Total Output</u>	<u>Production Cost (\$000)</u>
FT. MYERS 2	1,423	7,762	9,034,758	79.1	9.3	9.3	636,799
MANATEE 3	1,082	8,733	8,081,494	83.2	8.3	17.5	542,499
TURKEY POINT 5	1,083	8,641	7,971,811	82.9	8.2	25.7	538,020
ST. LUCIE 1	845	8,760	7,215,359	96.6	7.4	33.1	41,525
MARTIN 8	1,075	7,753	7,018,050	81.4	7.2	40.3	489,304
SANFORD 5	929	7,105	5,711,001	83.5	5.8	46.1	404,318
ST. LUCIE 2	719	7,896	5,538,810	96.6	5.7	51.8	33,849
TURKEY POINT 3	703	7,920	5,418,757	95.4	5.5	57.3	32,156
SCHERER 4	626	8,760	5,345,965	97.2	5.5	62.8	125,470
TURKEY POINT 4	703	7,800	5,336,552	95.4	5.5	68.3	31,515
WCEC_01	1,267	5,136	5,279,767	77.0	5.4	73.7	341,768
SANFORD 4	933	4,673	4,025,784	89.1	4.1	77.8	288,699
LAUDERDALE 5	441	6,391	2,238,832	78.4	2.3	80.1	180,382
MARTIN 4	444	5,743	2,141,859	80.7	2.2	82.3	156,657
MARTIN 1	801	3,838	2,024,036	65.3	2.1	84.4	235,950
MARTIN 3	430	5,094	1,867,316	81.8	1.9	86.3	137,551
MANATEE 2	775	3,199	1,766,208	70.8	1.8	88.1	247,133
LAUDERDALE 4	444	4,430	1,607,740	80.6	1.6	89.7	130,817
WCEC_02	1,267	1,456	1,356,973	69.8	1.4	91.1	92,860
MANATEE 1	801	3,098	1,315,401	52.7	1.3	92.5	183,377
MARTIN 2	804	2,471	1,201,676	59.9	1.2	93.7	135,616
ST. JOHNS 2	125	8,760	1,039,704	93.5	1.1	94.8	34,852
ST. JOHNS 1	126	7,344	882,274	93.9	0.9	95.7	29,626
CAPE CANAVERAL 1	381	2,093	606,072	75.8	0.6	96.3	70,415
TURKEY POINT 1	379	1,790	567,606	83.4	0.6	96.9	86,667
PUTNAM 1	243	2,829	551,687	78.3	0.6	97.4	51,704
TURKEY POINT 2	377	1,632	477,768	77.4	0.5	97.9	67,854
FORT MYERS 3A_B	316	1,593	458,930	86.8	0.5	98.4	49,526
PUTNAM 2	244	2,357	374,682	63.6	0.4	98.8	37,144
CAPE CANAVERAL 2	377	1,381	346,596	66.4	0.4	99.1	41,382
Port Everglades 3	381	856	245,171	75.0	0.3	99.4	32,978
Port Everglades 4	381	722	205,377	74.5	0.2	99.6	25,982
RIVIERA 3	273	625	137,296	80.2	0.1	99.7	20,179
CUTLER 6	137	1,073	130,239	88.0	0.1	99.9	16,596
RIVIERA 4	282	552	107,698	68.9	0.1	100.0	11,333
CUTLER 5	64	254	16,141	97.8	0.0	100.0	2,328
Port Everglades 1	203	40	7,682	94.2	0.0	100.0	1,162
SANFORD 3	140	16	1,731	76.7	0.0	100.0	195
Port Everglades 2	203	0	0	0.0	0.0	100.0	0
FORT MYERS 1-12	600	0	0	0.0	0.0	100.0	0
LAUDERDALE 1-24	681	0	0	0.0	0.0	100.0	0
EVERGLADES 1-12	340	0	0	0.0	0.0	100.0	0
<b>Total</b>	<b>23,851</b>		<b>97,654,803</b>		<b>100.0</b>		<b>5,586,188</b>

Issued by: Florida Power &amp; Light Company

FI-2, DOCKET NO. 080001-EI

FPL Witness: Frank Irizarry

Exhibit No. \_\_\_\_\_

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**FLORIDA POWER & LIGHT COMPANY  
UNITS TO BE USED TO DETERMINE THE  
GENERATING PERFORMANCE INCENTIVE FACTOR**

**JANUARY THROUGH DECEMBER, 2009**

Ft. Myers 2

Lauderdale 5

Martin 4

Martin 8

Manatee 3

Sanford 4

Sanford 5

Scherer 4

St. Lucie 1

St. Lucie 2

Turkey Point 3

Turkey Point 4

**GENERATING PERFORMANCE INCENTIVE FACTOR****REWARD/PENALTY TABLE ( ESTIMATED )****FLORIDA POWER & LIGHT COMPANY  
JANUARY THROUGH DECEMBER, 2009**

<b>Generating Performance Incentive Points (GPIF)</b>	<b>Fuel Savings/(Loss) (\$000)</b>	<b>Generating Performance Incentive Factor (\$000)</b>
+ 10	209,225	34,351
+ 9	188,302	30,916
+ 8	167,380	27,481
+ 7	146,457	24,046
+ 6	125,535	20,611
+ 5	104,612	17,176
+ 4	83,690	13,740
+ 3	62,767	10,305
+ 2	41,845	6,870
+ 1	20,922	3,435
0	0	0
- 1	( 20,922)	( 3,435)
- 2	( 41,845)	( 6,870)
- 3	( 62,767)	( 10,305)
- 4	( 83,690)	( 13,740)
- 5	( 104,612)	( 17,176)
- 6	( 125,535)	( 20,611)
- 7	( 146,457)	( 24,046)
- 8	( 167,380)	( 27,481)
- 9	( 188,302)	( 30,916)
- 10	( 209,225)	( 34,351)

**GENERATING PERFORMANCE INCENTIVE FACTOR  
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS**

**ESTIMATED**

**FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: JANUARY THROUGH DECEMBER, 2009**

LINE 1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY		\$	8,185,567,362
	END OF MONTH BALANCE OF COMMON EQUITY			
LINE 2	MONTH OF JANUARY	2009	\$	8,148,649,627
LINE 3	MONTH OF FEBRUARY	2009	\$	8,179,759,574
LINE 4	MONTH OF MARCH	2009	\$	8,229,695,528
LINE 5	MONTH OF APRIL	2009	\$	8,286,795,782
LINE 6	MONTH OF MAY	2009	\$	8,368,082,794
LINE 7	MONTH OF JUNE	2009	\$	8,476,059,054
LINE 8	MONTH OF JULY	2009	\$	8,582,443,488
LINE 9	MONTH OF AUGUST	2009	\$	8,701,956,765
LINE 10	MONTH OF SEPTEMBER	2009	\$	8,817,207,354
LINE 11	MONTH OF OCTOBER	2009	\$	8,898,744,120
LINE 12	MONTH OF NOVEMBER	2009	\$	8,958,533,563
LINE 13	MONTH OF DECEMBER	2009	\$	9,007,318,333
LINE 14	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 13 DIVIDED BY 13)		\$	8,526,216,000
LINE 15	25 BASIS POINTS			0.0025
LINE 16	REVENUE EXPANSION FACTOR			61.3808%
LINE 17	MAXIMUM ALLOWED INCENTIVE DOLLARS (LINE 14 TIMES LINE 15 DIVIDED BY LINE 16)		\$	34,726,737
LINE 18	JURISDICTIONAL SALES			105,989,916,503 KWH
LINE 19	TOTAL SALES			107,149,136,332 KWH
LINE 20	JURISDICTIONAL SEPARATION FACTOR (LINE 18 DIVIDED BY LINE 19)			98.92%
LINE 21	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS		\$	34,351,037

## GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: JANUARY THROUGH DECEMBER, 2009

<u>Plant / Unit</u>	<u>Weighting Factor (%)</u>	<u>EAF Target (%)</u>	<u>EAF Range</u>		<u>Max. Fuel Savings (\$000's)</u>	<u>Max. Fuel Loss (\$000's)</u>
			<u>Max. (%)</u>	<u>Min. (%)</u>		
Ft. Myers 2	6.35	89.7	92.7	86.7	13,280.5	-13,280.5
Lauderdale 5	1.07	93.5	95.5	91.5	2,240.9	-2,240.9
Martin 4	1.39	92.0	94.5	89.5	2,899.7	-2,899.7
Martin 8	4.73	83.2	86.2	80.2	9,892.9	-9,892.9
Manatee 3	4.61	92.7	95.2	90.2	9,644.0	-9,644.0
Sanford 4	2.16	90.2	92.2	88.2	4,518.9	-4,518.9
Sanford 5	4.04	88.4	91.4	85.4	8,448.4	-8,448.4
Scherer 4	4.10	96.0	98.0	94.0	8,578.3	-8,578.3
St. Lucie 1	10.12	93.6	96.6	90.6	21,178.5	-21,178.5
St. Lucie 2	7.71	81.8	84.8	78.8	16,133.7	-16,133.7
Turkey Point 3	7.78	82.7	85.7	79.7	16,286.5	-16,286.5
Turkey Point 4	7.51	81.3	84.3	78.3	15,708.7	-15,708.7
	<u>61.57</u>				<u>128,810.9</u>	<u>-128,810.9</u>

## GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY  
 PERIOD OF: JANUARY THROUGH DECEMBER, 2009

<u>Plant / Unit</u>	<u>Weighting Factor (%)</u>	<u>ANOHR TARGET</u>		<u>ANOHR RANGE</u>		<u>Max. Fuel Savings (\$000's)</u>	<u>Max. Fuel Loss (\$000's)</u>
		<u>BTU/KWH</u>	<u>NOF</u>	<u>BTU/KWH</u>	<u>BTU/KWH</u>		
Ft. Myers 2	5.54	6,866	79.1	6,741	6,991	11,593.3	-11,593.3
Lauderdale 5	1.45	7,776	78.4	7,645	7,907	3,038.8	-3,038.8
Martin 4	1.83	7,080	80.7	6,907	7,253	3,827.9	-3,827.9
Martin 8	5.19	6,803	81.4	6,652	6,954	10,860.6	-10,860.6
Manatee 3	5.80	6,975	83.2	6,819	7,131	12,133.3	-12,133.3
Sanford 4	2.83	6,962	89.1	6,819	7,105	5,929.9	-5,929.9
Sanford 5	3.47	6,969	83.5	6,844	7,094	7,252.1	-7,252.1
Scherer 4	0.76	10,193	97.2	10,064	10,322	1,587.9	-1,587.9
St. Lucie 1	2.67	11,006	96.6	10,919	11,093	5,589.6	-5,589.6
St. Lucie 2	1.89	11,272	96.6	11,191	11,353	3,964.4	-3,964.4
Turkey Point 3	3.57	11,476	95.4	11,320	11,632	7,473.6	-7,473.6
Turkey Point 4	3.42	11,488	95.4	11,333	11,643	7,162.3	-7,162.3
	<u>38.43</u>					<u>80,413.9</u>	<u>-80,413.9</u>

**PROJECTED UNIT HEAT RATE EQUATIONS  
FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: JANUARY THROUGH DECEMBER, 2009**

<u>Plant/Unit</u>	<u>ANOHR</u>	<u>NOF</u>	<u>MW</u>	<u>ANOHR Equation</u>		<u>Bounds</u>	<u>First</u>	<u>Last</u>	<u>Exclusions</u>
				<u>a coef.</u>	<u>b coef.</u>				
Ft. Myers 2	6,866	79.1	1423	7077	-2.66	125	07-05	06-08	Dec '05
Lauderdale 5	7,776	78.4	441	9360	-20.20	131	07-05	06-08	May '07, Jun '07
Martin 4	7,080	80.7	444	7877	-9.88	173	07-05	06-08	Jan '06, Nov '07, Mar-Apr '07
Martin 8	6,803	81.4	1075	6923	-1.47	151	07-05	06-08	Jan '06, Feb '07, Feb '08
Manatee 3	6,975	83.2	1082	7452	-5.73	156	07-05	06-08	Jan-00
Sanford 4	6,962	89.1	933	7400	-4.91	143	07-05	06-08	May '07, Feb '08
Sanford 5	6,969	83.5	929	7321	-4.22	125	07-05	06-08	Apr '06, Jan-Feb '08, Apr '08
Scherer 4	10,193	97.2	626	10260	-0.69	129	07-05	06-08	May '06, Jul '06, Mar '08
St. Lucie 1	11,006	96.6	845	15486	-46.37	87	07-05	06-08	Nov-Dec '05, Apr-May '07
St. Lucie 2	11,272	98.6	719	20327	-93.74	81	07-05	06-08	Jan '06, May-Jun '06, Dec '06, Oct '07-Jan '08, Jun '08
Turkey Point 3	11,476	95.4	703	18292	-71.44	156	07-05	06-08	Oct '05, Mar-Apr '06, Sep-Oct '07
Turkey Point 4	11,488	95.4	703	18342	-71.84	155	07-05	06-08	Jul '05, Nov '05, Nov-Dec '06, Apr-May '08

## DERIVATION OF WEIGHT FACTORS

FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: JANUARY THROUGH DECEMBER, 2009

PRODUCTION COSTING SIMULATION  
FUEL COST (\$000)

Unit	Performance Indicator	At Target (1)	At Maximum Improvement (2)	Savings (3)	Factor (% Of Savings)
Ft. Myers 2	EAF	5,586,188	5,572,907	13,280.5	6.35
Ft. Myers 2	ANOHR	5,586,188	5,574,595	11,593.3	5.54
Lauderdale 5	EAF	5,586,188	5,583,947	2,240.9	1.07
Lauderdale 5	ANOHR	5,586,188	5,583,149	3,038.8	1.45
Martin 4	EAF	5,586,188	5,583,288	2,899.7	1.39
Martin 4	ANOHR	5,586,188	5,582,360	3,827.9	1.83
Martin 8	EAF	5,586,188	5,576,295	9,892.9	4.73
Martin 8	ANOHR	5,586,188	5,575,327	10,860.6	5.19
Manatee 3	EAF	5,586,188	5,576,544	9,644.0	4.61
Manatee 3	ANOHR	5,586,188	5,574,055	12,133.3	5.80
Sanford 4	EAF	5,586,188	5,581,669	4,518.9	2.16
Sanford 4	ANOHR	5,586,188	5,580,258	5,929.9	2.83
Sanford 5	EAF	5,586,188	5,577,740	8,448.4	4.04
Sanford 5	ANOHR	5,586,188	5,578,936	7,252.1	3.47
Scherer 4	EAF	5,586,188	5,577,610	8,578.3	4.10
Scherer 4	ANOHR	5,586,188	5,584,600	1,587.9	0.76
St. Lucie 1	EAF	5,586,188	5,565,010	21,178.5	10.12
St. Lucie 1	ANOHR	5,586,188	5,580,598	5,589.6	2.67
St. Lucie 2	EAF	5,586,188	5,570,054	16,133.7	7.71
St. Lucie 2	ANOHR	5,586,188	5,582,224	3,964.4	1.89
Turkey Point 3	EAF	5,586,188	5,569,901	16,286.5	7.78
Turkey Point 3	ANOHR	5,586,188	5,578,714	7,473.6	3.57
Turkey Point 4	EAF	5,586,188	5,570,479	15,708.7	7.51
Turkey Point 4	ANOHR	5,586,188	5,579,026	7,162.3	3.42
TOTAL				209,224.8	100.00

(1) FUEL ADJUSTMENT - ALL UNITS PERFORMANCE AT TARGET

(2) ALL OTHER UNITS PERFORMANCE AT TARGET

(3) EXPRESSED IN REPLACEMENT ENERGY COSTS.



**ESTIMATED UNIT PERFORMANCE DATA  
FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: JANUARY THROUGH DECEMBER, 2009**

<u>Plant/Unit</u>	<u>EA</u>	<u>POF</u>	<u>UOF</u>	<u>PH</u>	<u>SH</u>	<u>RSH</u>	<u>UH</u>	<u>EPOH</u>	<u>EFOH</u>	<u>EMOH</u>	<u>NET GEN</u>
Ft. Myers 2	89.7	1.9	8.4	8760	7762	94	904	168	175	561	9,034,758
Lauderdale 5	93.5	2.5	4.0	8760	6391	1803	566	216	175	175	2,238,832
Martin 4	92.0	2.9	5.1	8760	5743	2318	699	252	175	272	2,141,859
Martin 8	83.2	7.7	9.1	8760	7291	0	1469	672	438	359	7,018,050
Manatee 3	92.7	1.9	5.4	8760	8119	0	641	168	175	298	8,081,494
Sanford 4	90.2	5.8	4.0	8760	4673	3233	854	504	175	175	4,025,784
Sanford 5	88.4	3.8	7.8	8760	7105	636	1019	336	350	333	5,711,001
Scherer 4	96.0	0.0	4.0	8760	8410	0	350	0	175	175	5,345,965
St. Lucie 1	93.6	0.0	6.4	8760	8199	0	561	0	280	280	7,215,359
St. Lucie 2	81.8	9.9	8.3	8760	7169	0	1591	864	447	280	5,538,810
Turkey Point 3	82.7	9.6	7.7	8760	7245	0	1515	840	394	280	5,418,757
Turkey Point 4	81.3	11.0	7.7	8760	7125	0	1635	960	394	280	5,336,552

EPOF = equivalent planned outage factor.  $EPOF = (EPOH/PH) * 100$

EUOF = equivalent unavailable outage factor.  $EUOF = ((EFOH + EMOH)/PH) * 100$

PH = period hours

SH = service hours

RSH = reserve shutdown

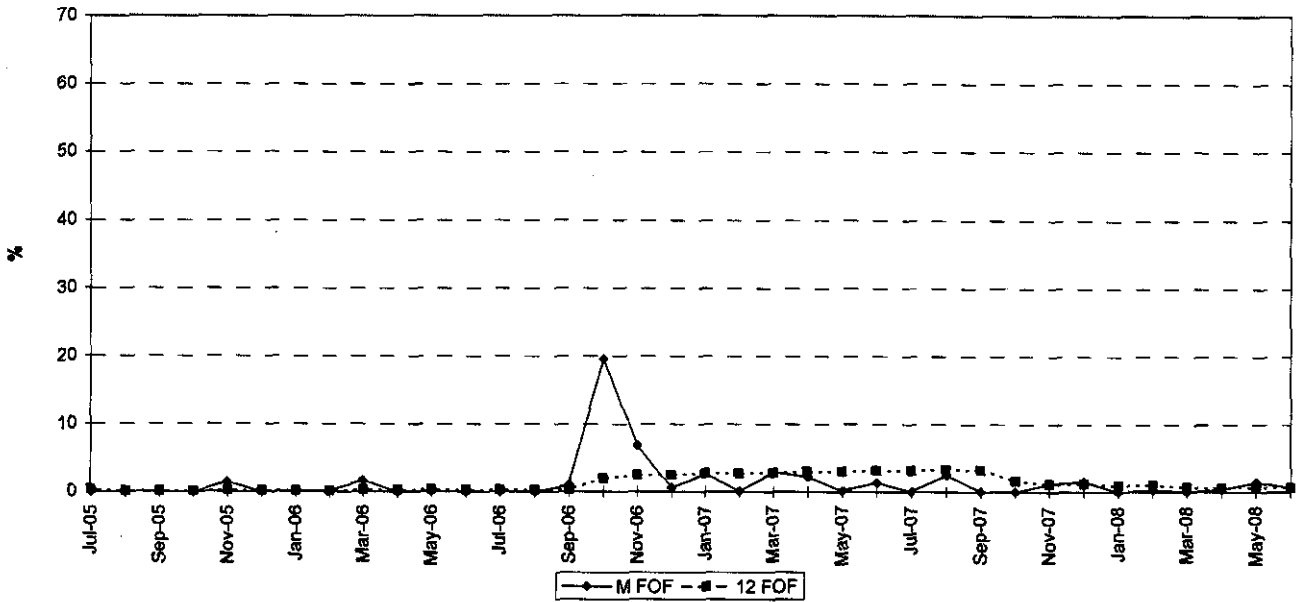
UH = unavailable hours.  $UH = PH - SH - RSH$

EPOH = equivalent planned outage hours

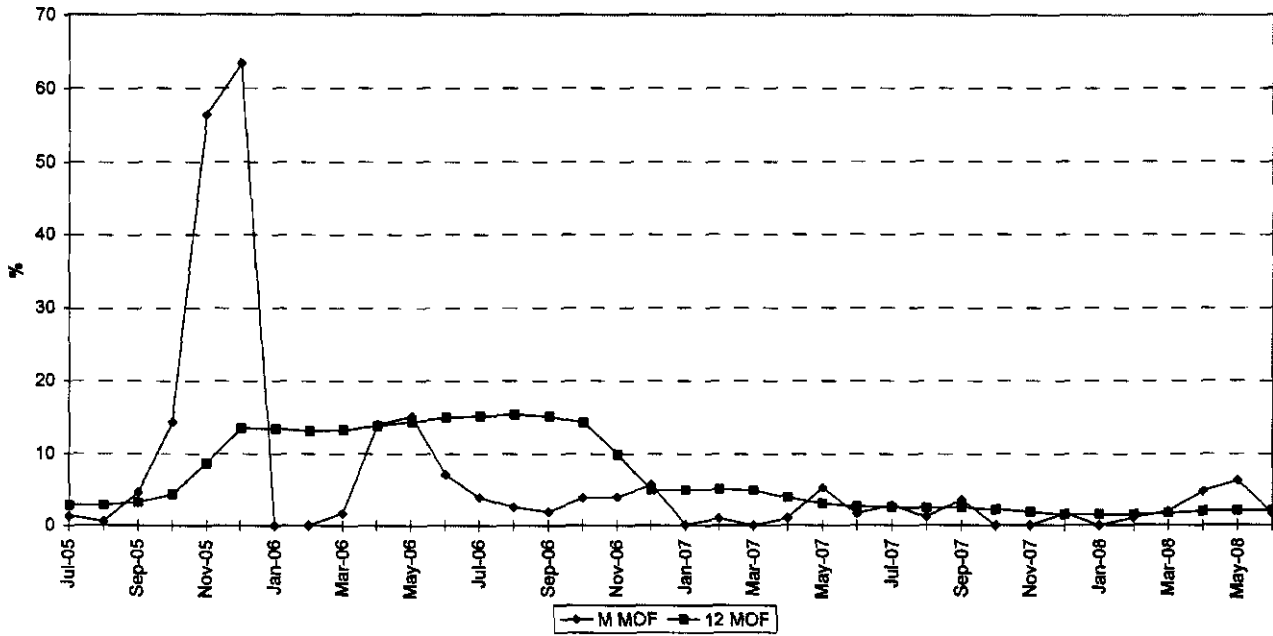
EFOH = equivalent forced outage hours

EMOH = equivalent maintenance outage hours

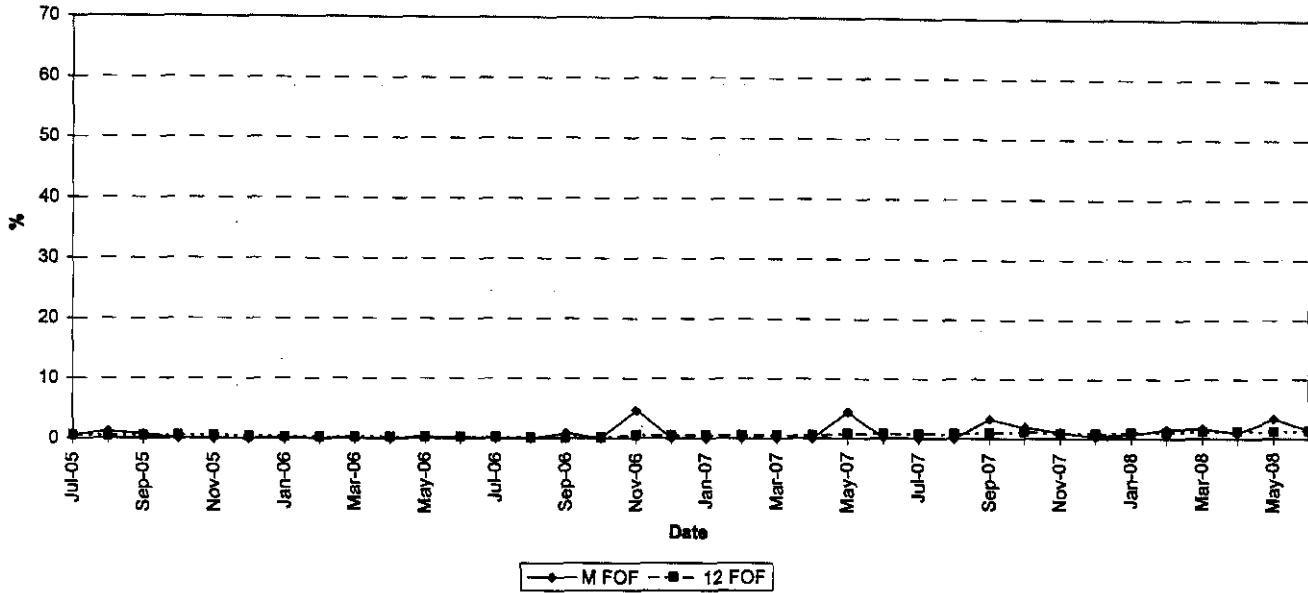
### PFM 2 FORCED OUTAGE FACTOR



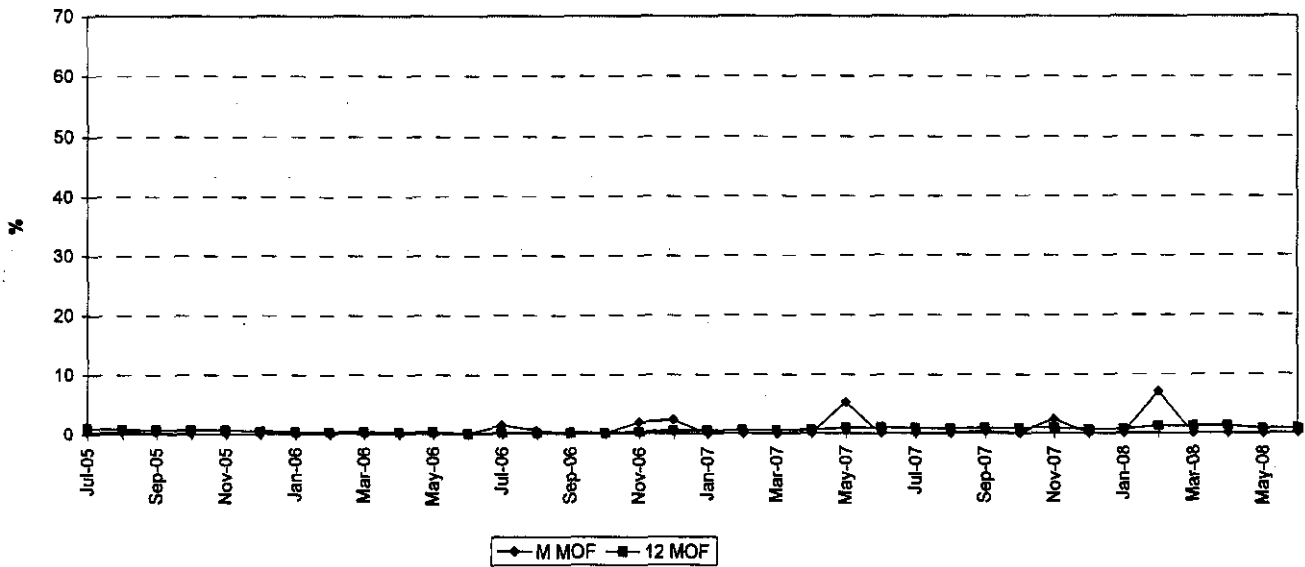
### MAINTENANCE OUTAGE FACTOR



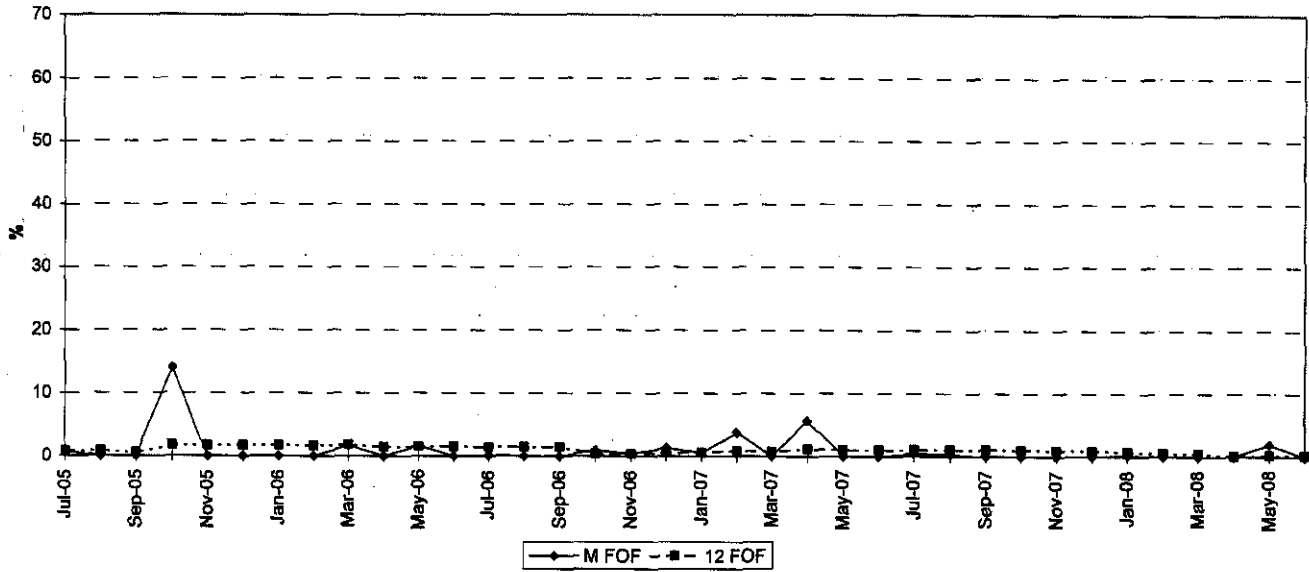
### PFL 5 FORCED OUTAGE FACTOR



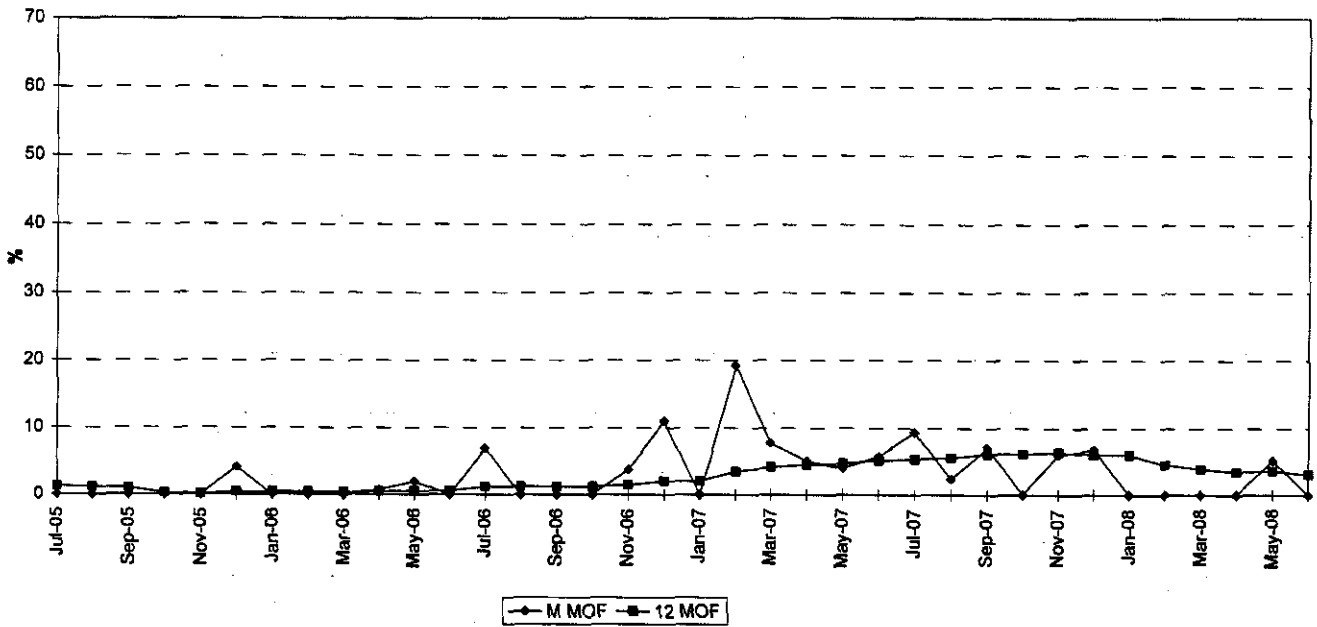
### MAINTENANCE OUTAGE FACTOR



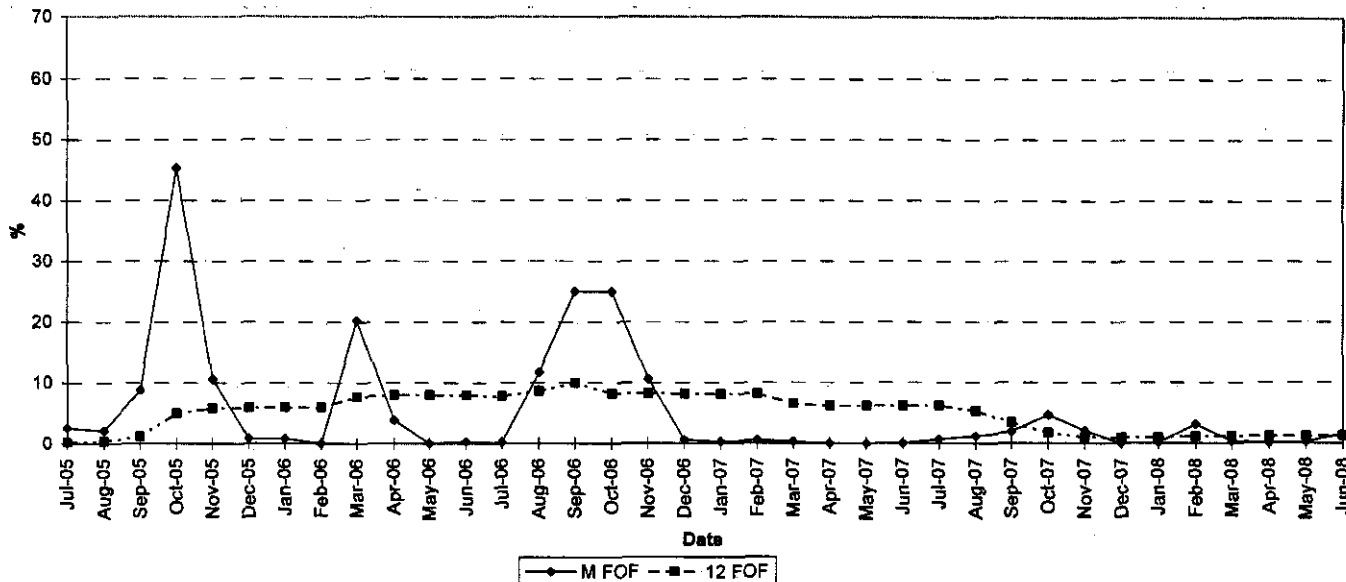
### PMG 4 FORCED OUTAGE FACTOR



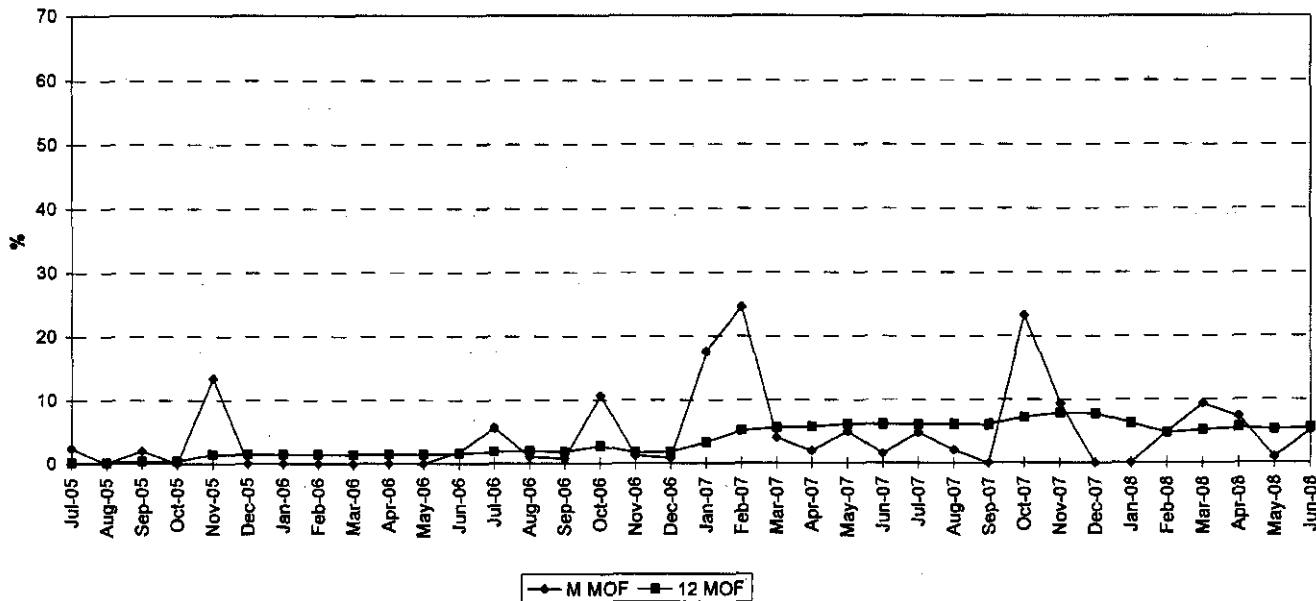
### MAINTENANCE OUTAGE FACTOR



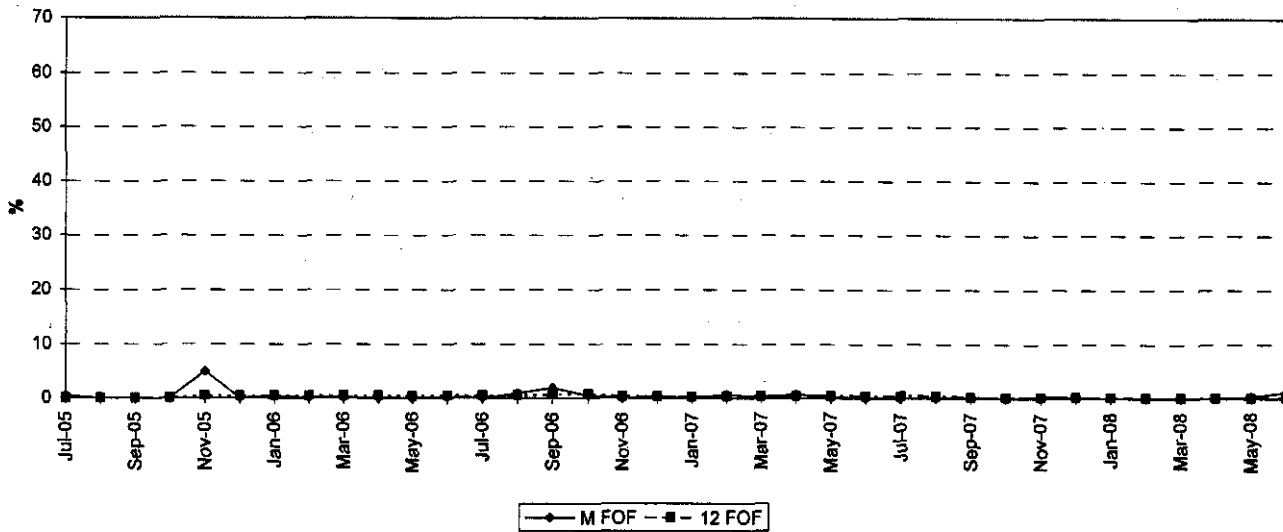
### PMR 8 FORCED OUTAGE FACTOR



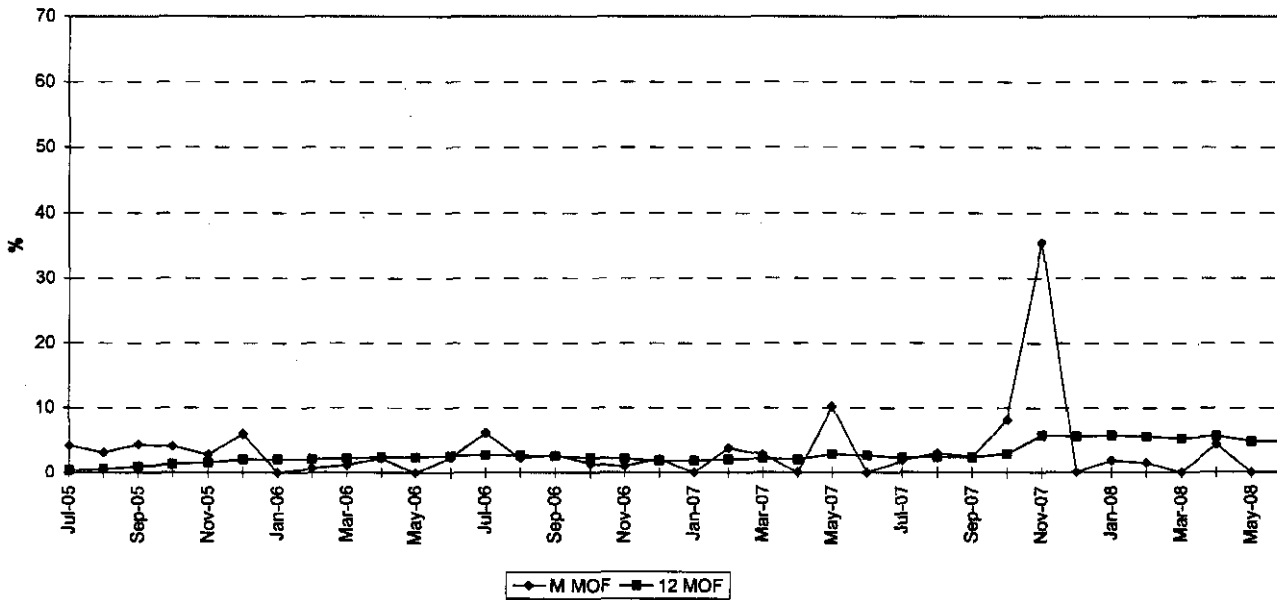
### MAINTENANCE OUTAGE FACTOR



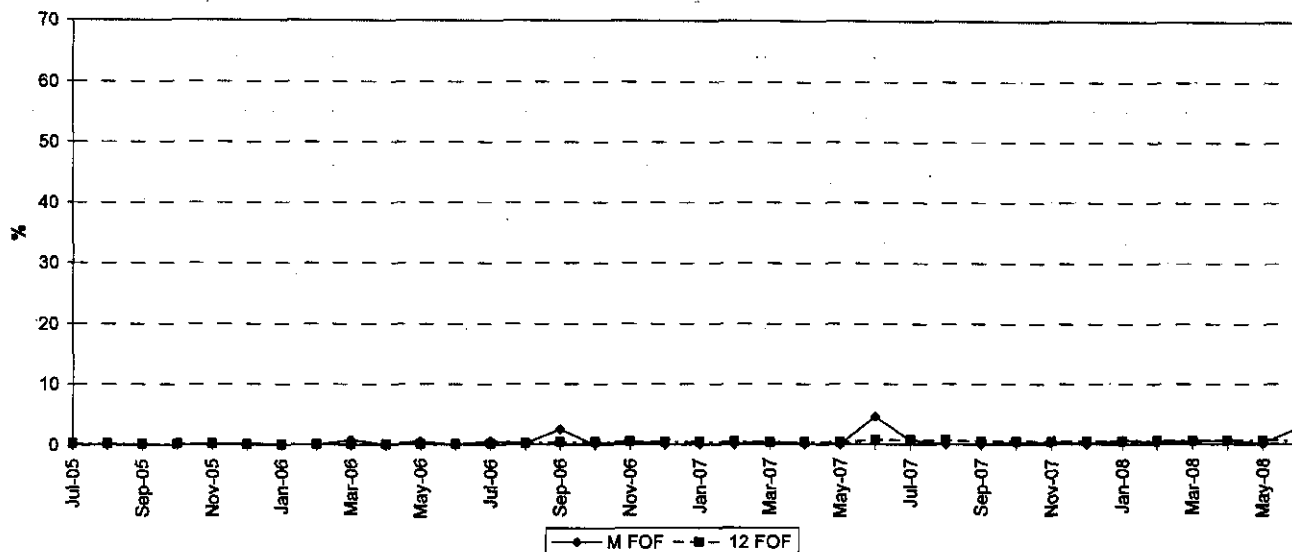
### PMT 3 FORCED OUTAGE FACTOR



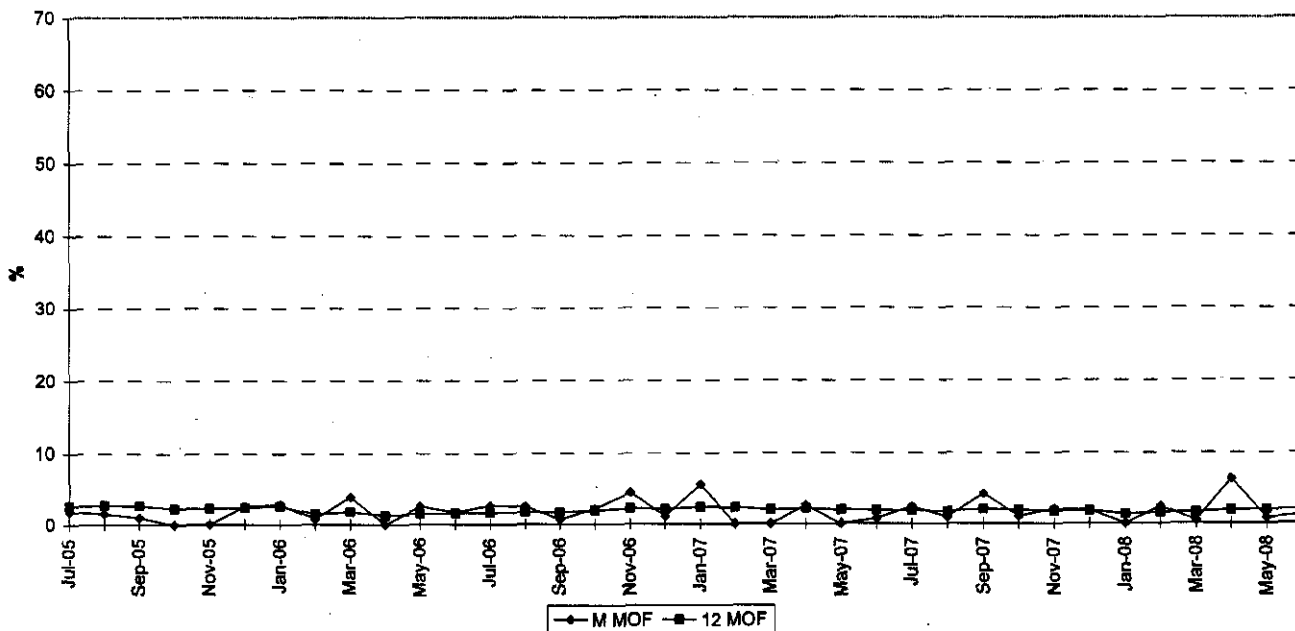
### MAINTENANCE OUTAGE FACTOR



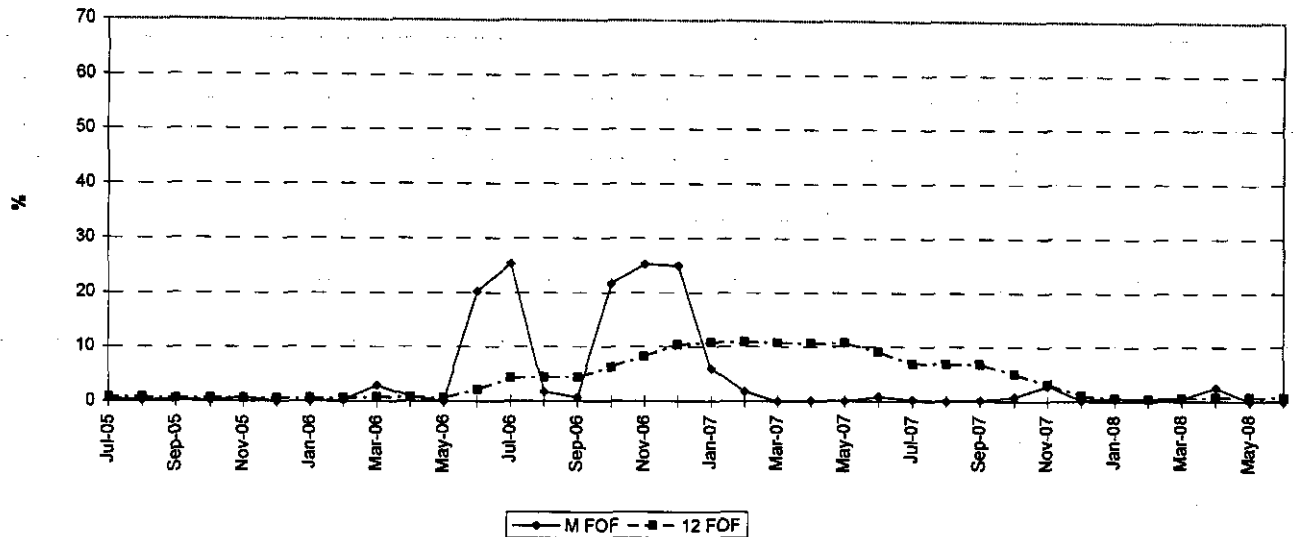
### PSN 4 FORCED OUTAGE FACTOR



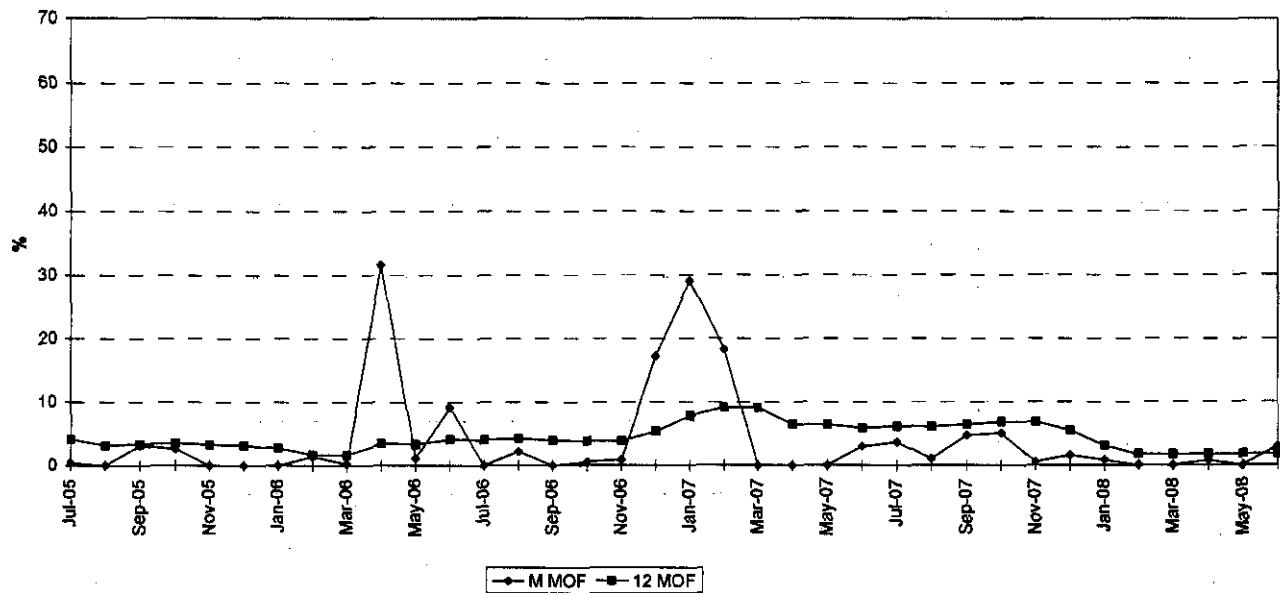
### MAINTENANCE OUTAGE FACTOR



### PSN 5 FORCED OUTAGE FACTOR

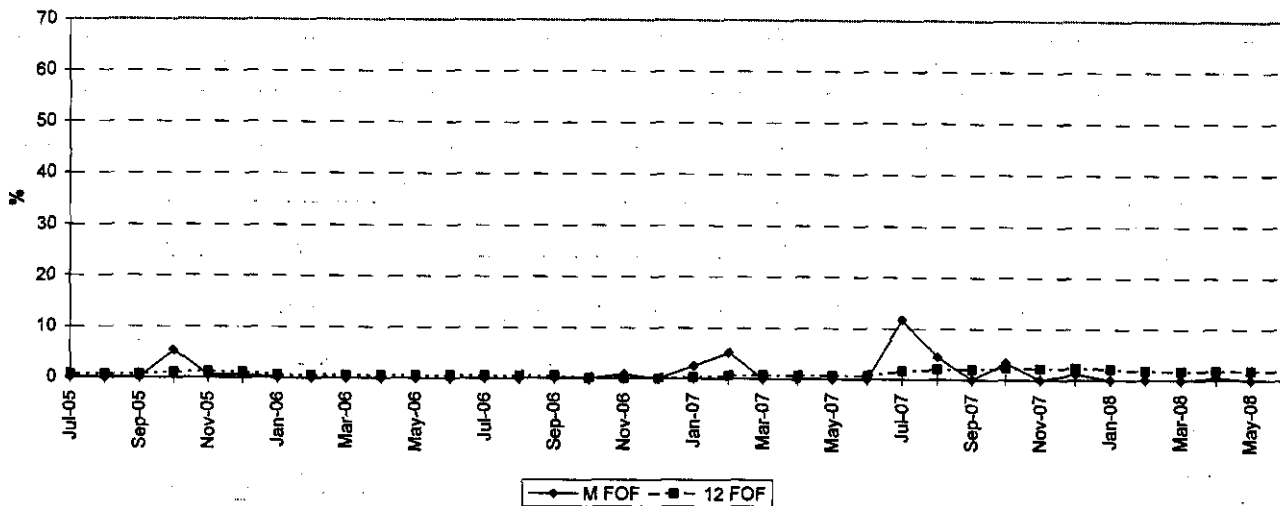


### MAINTENANCE OUTAGE FACTOR

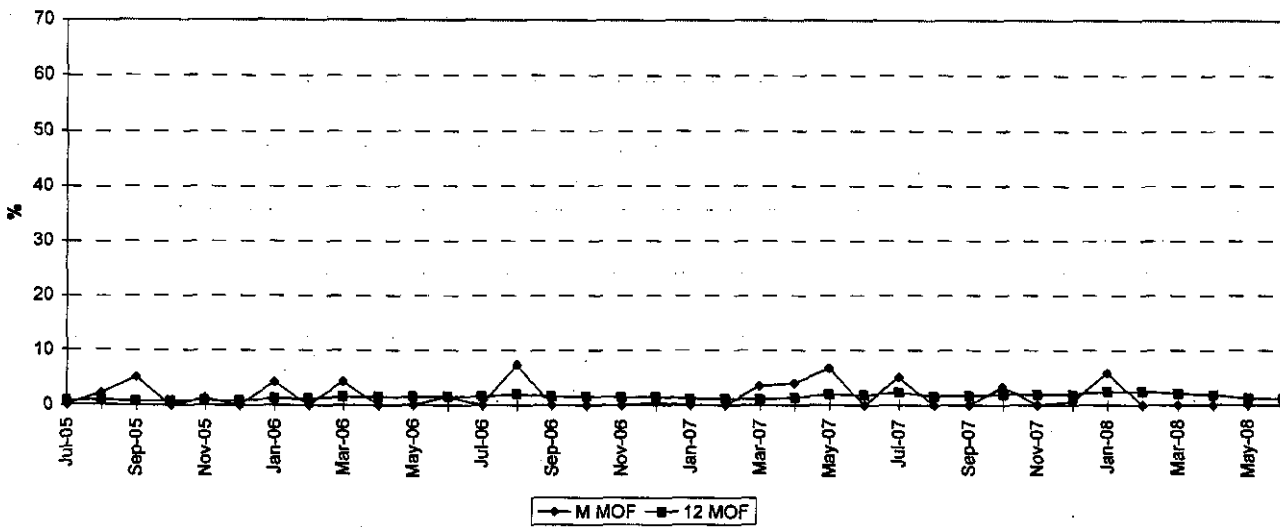




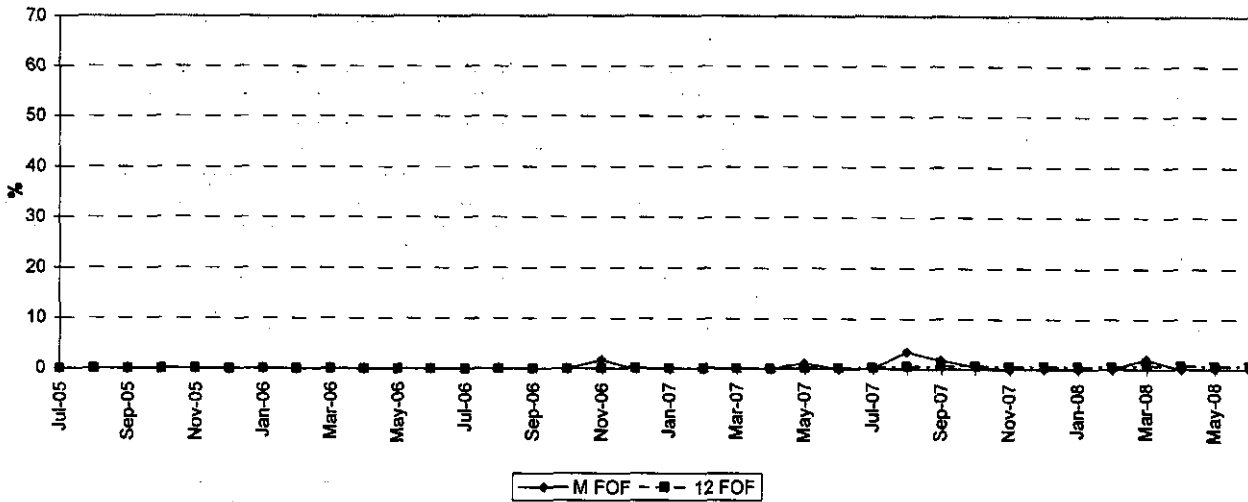
### PSG 4 FORCED OUTAGE FACTOR



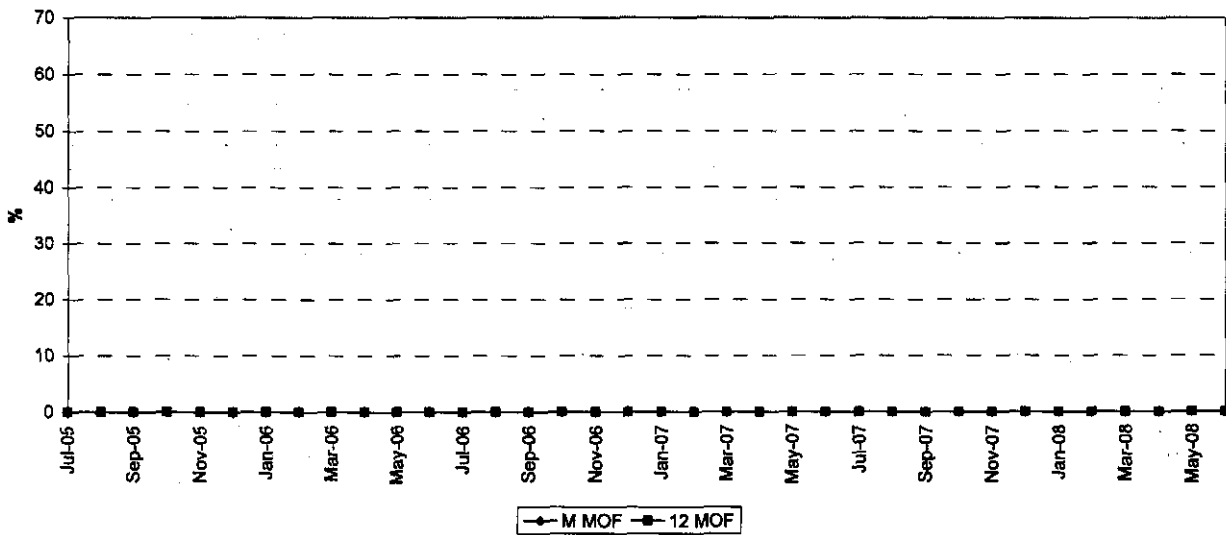
### MAINTENANCE OUTAGE FACTOR



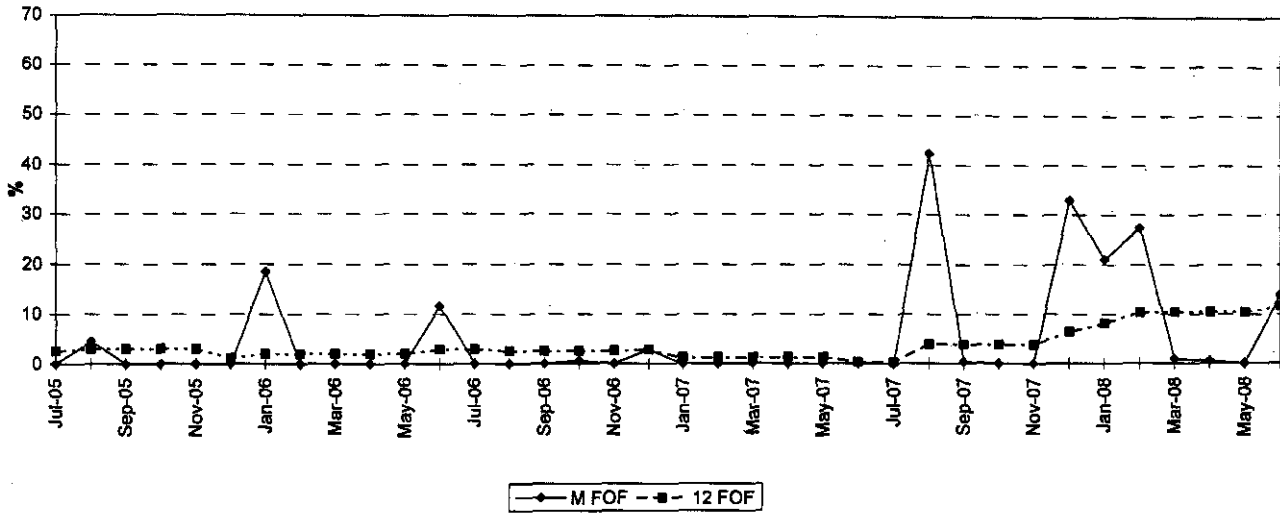
### PSL 1 FORCED OUTAGE FACTOR



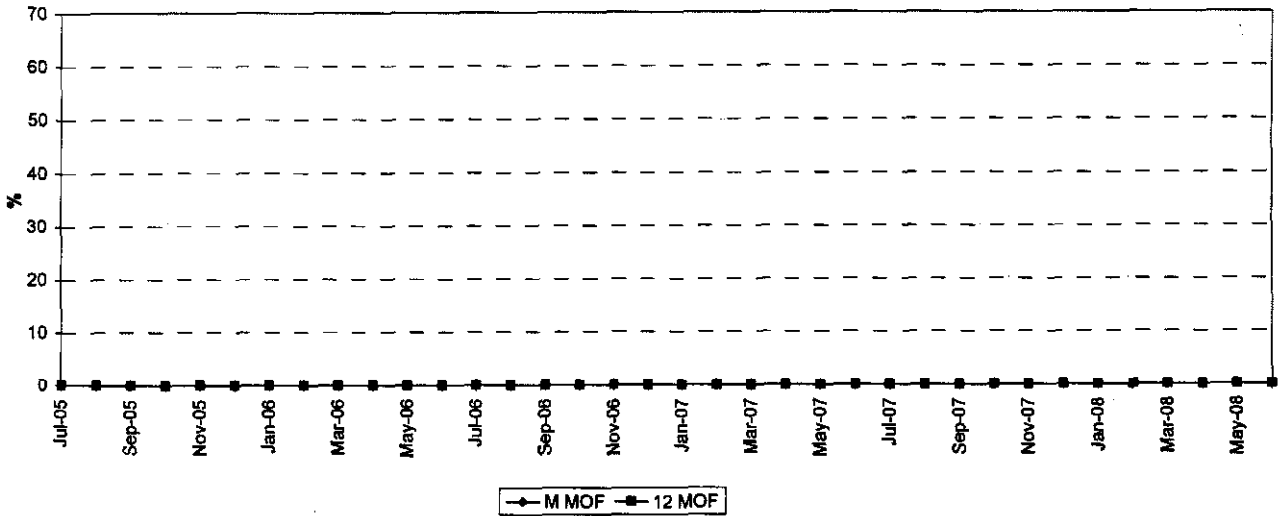
### MAINTENANCE OUTAGE FACTOR



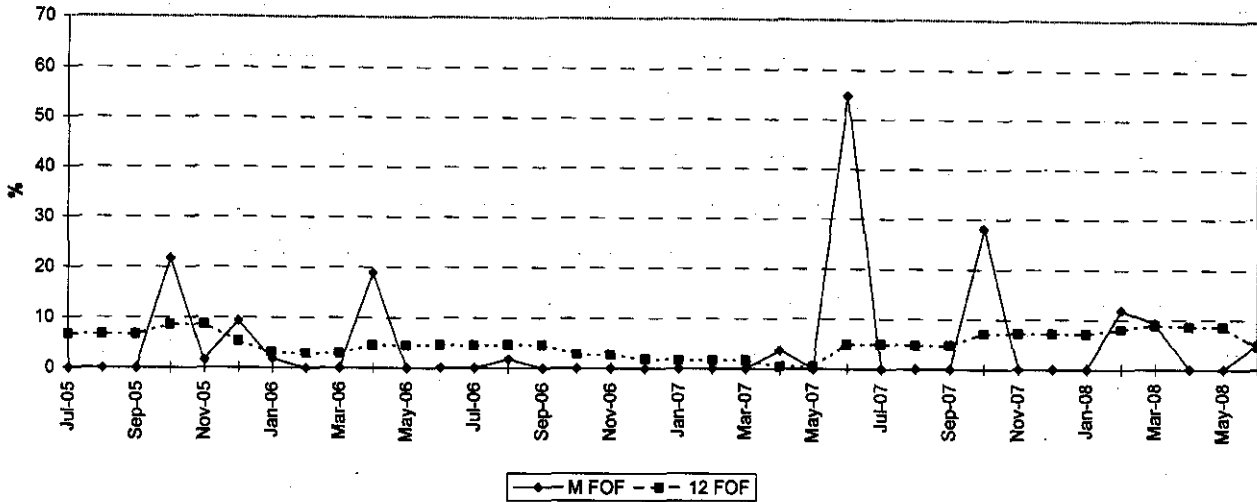
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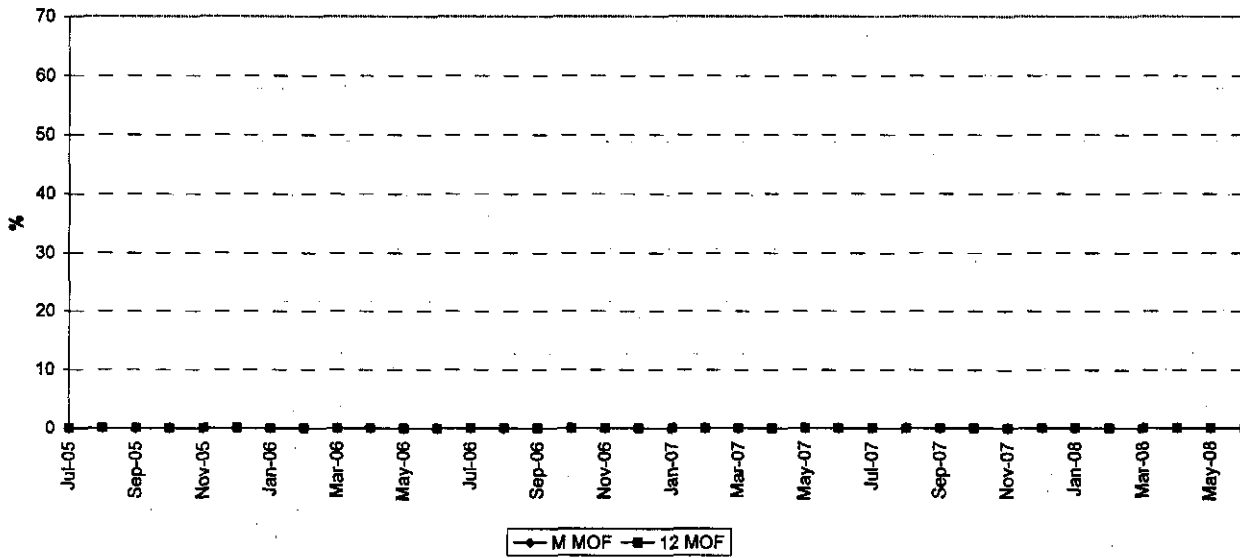
### MAINTENANCE OUTAGE FACTOR



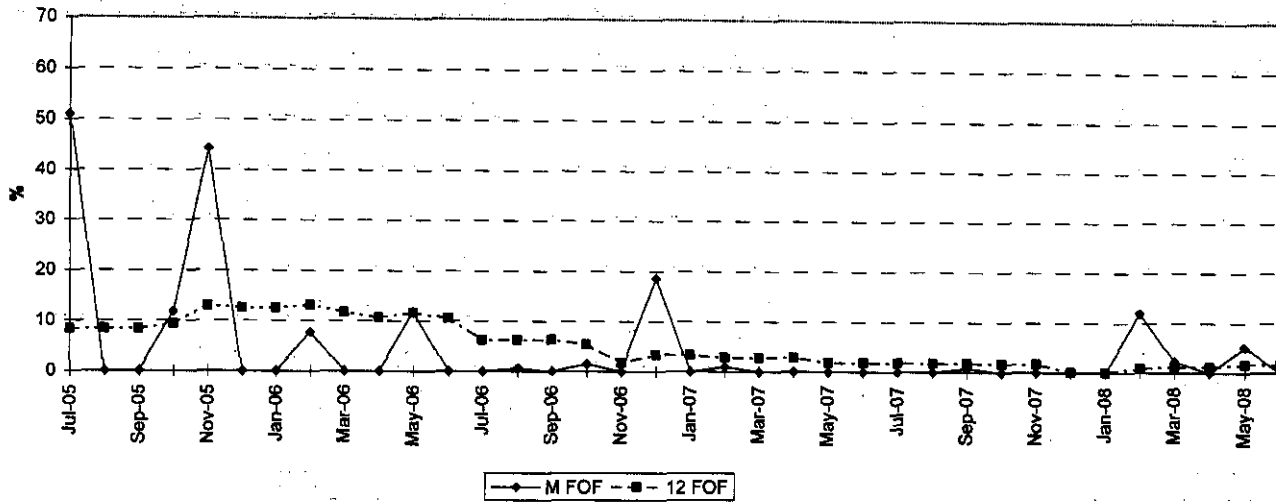
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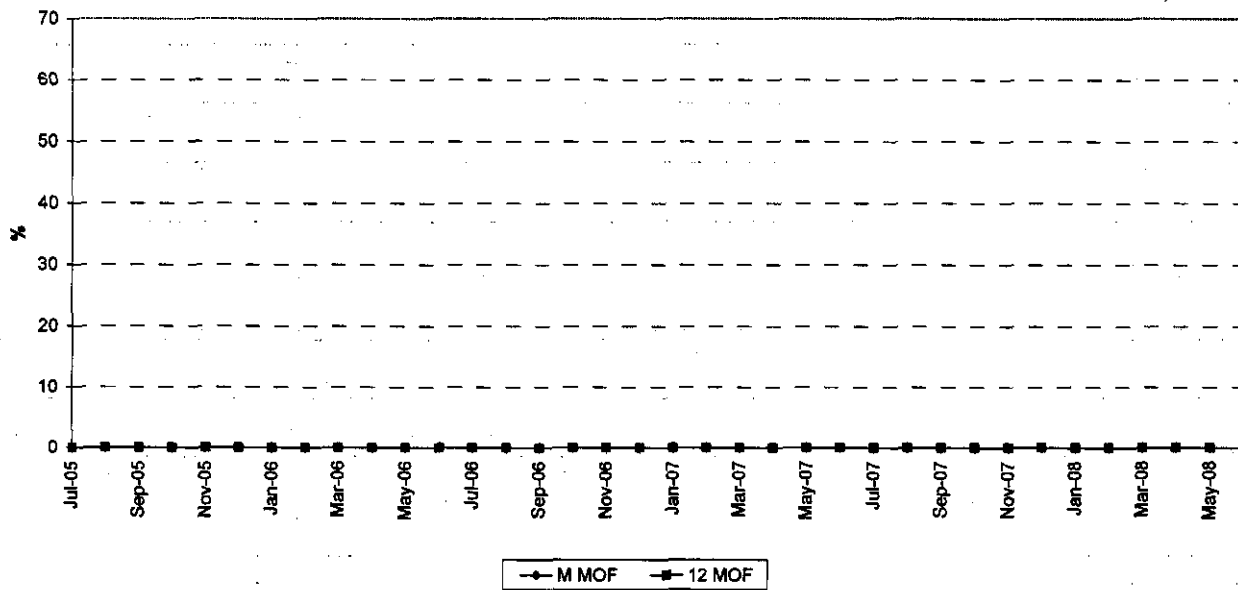
### MAINTENANCE OUTAGE FACTOR



### PTN 4 FORCED OUTAGE FACTOR



### MAINTENANCE OUTAGE FACTOR



## PLANNED OUTAGE SCHEDULE (ESTIMATED)

## FLORIDA POWER &amp; LIGHT COMPANY

PERIOD OF: JANUARY THROUGH DECEMBER, 2009

PLANT/UNIT	PLAN OUTAGE*	REASON FOR OUTAGE	LR MW**
Ft. Myers 2	02/21/2009 - 03/27/2009	A-F SUCCESSIVE HRSGs INSP. - 17% CURT	245
Lauderdale 5	10/03/2009 - 10/11/2009	A&B COMB INSP - 100% CURT	437
Martin 4	10/03/2009 - 10/23/2009	SUCCESSIVE HOT GAS PATH/MINOR HRSG - 50% CURT & COMB INSP - 50% CURT	216
Martin 8	05/16/2009 - 06/12/2009	A-B SUCCESSIVE S0-S5 REPL - 25% CURT	262
Martin 8	10/10/2009 - 10/30/2009	P91 REPLACEMENT / LATERALS & B HOT GAS PATH/MINOR HRSG/GEN INSP	1049
Manatee 3	09/12/2009 - 10/09/2009	A-D SUCCESSIVE HRSGs INSP / S0-S5 FINAL / R0 REPL - 25% CURT	265
Sanford 4	09/26/2009 - 11/06/2009	A-D SUCCESSIVE S0-S5 REPL/CT MAJOR/ HRSG, GEN. INSP. - 25% CURT	227
Sanford 5	01/17/2009 - 01/30/2009	S0-S5 FF - 25% CURT	241
Sanford 5	06/06/2009 - 06/19/2009	HOT GAS PATH - 25% CURT	226
Sanford 5	09/12/2009 - 09/26/2009	S0-S5 FF / HOT GAS PATH / MINOR HRSG / GEN INSP - 25% CURT	226
Sanford 5	11/07/2009 - 11/20/2009	S0-S5 - 25% CURT	241
Scherer 4	NONE		
St. Lucie 1	NONE		
St. Lucie 2	04/27/2009 - 06/02/2009	REFUELING, REACTOR COOLANT PUMP MOTOR REPLACEMENT, AND POLAR CRANE MODIFICATIONS	714
Turkey Point 3	03/01/2009 - 04/05/2009	REFUELING	717
Turkey Point 4	10/25/2009 - 12/04/2009	REFUELING, MAIN GENERATOR & THIMBLE REPLACEMENT, EDDY CURRENT TESTING, AND BOTTOM MOUNTED INSTRUMENT MODIFICATIONS	717

\*Dates are estimated from breaker open to breaker close

\*\*Load Reduction MW are based on the unit's MW rating during the specified outage period