

ORIGINAL

BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION

DOCKET NO. 040001-EI
FLORIDA POWER & LIGHT COMPANY

SEPTEMBER 17, 2004

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2005 THROUGH DECEMBER 2005

TESTIMONY & EXHIBITS OF:

P. SONNELITTER

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FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
FLORIDA POWER & LIGHT COMPANY
TESTIMONY OF P. SONNELITTER
DOCKET NO. 040001-EI
SEPTEMBER 17, 2004

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

2 A. My name is Pamela Sonnelitter and my business address is 700 Universe
3 Boulevard, Juno Beach, Florida 33408.

4

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

7 A. I am the Manager of Business Services in the Power Generation Division
8 of FPL.

9

10 **Q. Have you previously had testimony presented in this docket?**

11 A. Yes, I have.

12

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

14 A. The purpose of my testimony is to present the target unit equivalent
15 availability factors (EAF) and the target unit average net operating heat
16 rates (ANOHR) for the period of January through December, 2005, for use
17 in determining the Generating Performance Incentive Factor (GPIF).

18

19 **Q. Please summarize the 2005 system targets for EAF and ANOHR for**
20 **the units to be considered in establishing the GPIF for FPL.**

1 A. For the period of January through December, 2005, FPL projects a
2 weighted system equivalent planned outage factor of 7.3% and a
3 weighted system equivalent unplanned outage factor of 6.2%, which yield
4 a weighted system equivalent availability target of 86.5%. The targets for
5 this period reflect planned refueling outages for two nuclear units. FPL
6 also projects a weighted system average net operating heat rate target of
7 9,399 Btu/kWh for the period January through December, 2005. As
8 discussed later in this testimony, these targets represent fair and
9 reasonable values when compared to historical data. Therefore, FPL
10 requests that the targets for these performance indicators be approved by
11 the Commission.

12
13 **Q. Have you prepared, or caused to have prepared under your direction,**
14 **supervision or control, an exhibit in this proceeding?**

15 A. Yes, I have. It consists of one document. The first page of this document
16 is an index to the contents of the document. All other pages are
17 numbered according to the latest revisions of the GPIF Manual as
18 approved by the Commission.

19
20 **Q. Have you established target levels of performance for the units to be**
21 **considered in establishing the GPIF for FPL?**

22 A. Yes, I have. Document No.1, pages 6 and 7, contains the information
23 summarizing the targets and ranges for EAF and ANOHR for the 13
24 generating units which FPL proposes to be considered as GPIF units for
25 the period of January through December, 2005. These pages were
26 prepared in accordance with the latest revisions of the GPIF Manual. All

1 of these targets have been derived utilizing the methodologies adopted in
2 the GPIF Manual.

3
4 **Q. Please summarize FPL's methodology for determining equivalent**
5 **availability targets.**

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

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

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

1 improvements or degradations in heat rate performance. This process is
2 consistent with the GPIF Manual.

3
4 **Q. How did you select the units to be considered when establishing the**
5 **GPIF for FPL?**

6 **A.** The GPIF units were selected in accordance with the GPIF Manual using
7 the estimated net generation for each unit taken from the production
8 costing simulation program, POWRSYM, which forms the basis for the
9 projected levelized fuel cost recovery factor for the period. The 13 units
10 which FPL proposes to use for the period of January through December
11 2005 represent the top 81.2% of the total forecasted system net
12 generation for this period excluding five units: the Ft. Myers repowered
13 unit, the Sanford repowered units 4 and 5, the Martin unit 8 conversion to
14 combined cycle and the Manatee combined cycle unit 3. The repowering
15 of the Ft. Myers and Sanford units and the conversion of Martin unit 8 to
16 combined cycle constitute a major design change affecting both their
17 generation capacity and the performance of these units. As a result, the
18 future performance of these units will not be comparable to their historical
19 performance. Manatee unit 3 will be a new unit for 2005 and so it does
20 not yet have any historical performance from which to project future
21 performance. Therefore, consistent with the GPIF Manual, the above
22 mentioned units will be excluded from the GPIF calculations until we have
23 enough operating history to use in projecting future performance.

24
25 **Q. Do FPL's EAF and ANOHR performance targets represent a**
26 **reasonable level of generation efficiency?**

27 **A.** Yes, they do.

1

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

3 **A.** Yes, it does.

DOCUMENT NO. 1

WITNESS: PAMELA SONNELITTER

DOCKET NO. 040001-EI

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY THROUGH DECEMBER, 2005



DOCUMENT NUMBER 1 INDEX**FLORIDA POWER & LIGHT COMPANY****JANUARY THROUGH DECEMBER, 2005**

<u>DOCUMENT</u>	<u>PAGE NUMBER</u>	<u>TITLE</u>
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 - 7.201.023	Unit MOF and FOF vs Time Graphs
	7.201.024	Planned Outages Schedule (Estimated)

Table 2.0
POWRSYM Projected System Generation
January Through December, 2005

<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 Repowered 2	1,435	7,833	10,267,693	91%	10.9	10.9	510,893
Sanford Repowered 4	911	7,654	6,445,312	92%	6.8	17.7	320,981
Sanford Repowered 5	939	7,601	6,257,420	88%	6.6	24.3	310,015
St. Lucie 2	719	8,538	6,140,275	100%	6.5	30.8	20,538
St. Lucie 1	845	7,135	6,027,256	100%	6.4	37.2	18,908
Turkey Point 3	703	8,538	6,003,740	100%	6.4	43.6	22,258
Turkey Point 4	703	7,017	4,949,673	100%	5.2	48.8	17,484
Scherer 4	645	7,844	4,536,350	90%	4.8	53.6	69,980
Martin 8	1,088	4,681	4,178,436	82%	4.4	58.1	200,600
Manatee 3	1,090	4,685	4,158,969	81%	4.4	62.5	209,570
Martin 2	799	6,542	3,530,341	68%	3.7	66.2	217,479
Lauderdale 4	433	8,003	3,278,217	95%	3.5	69.7	180,355
Martin 4	453	7,662	3,112,541	90%	3.3	73.0	155,280
Martin 3	452	7,679	3,092,943	89%	3.3	76.3	158,574
Martin 1	807	5,534	2,934,991	66%	3.1	79.4	183,791
Manatee 2	806	5,268	2,625,941	62%	2.8	82.1	142,807
Lauderdale 5	432	6,595	2,622,653	92%	2.8	84.9	143,207
Manatee 1	806	4,501	2,366,608	65%	2.5	87.4	124,976
Cape Canaveral 2	396	3,464	1,131,851	83%	1.2	88.6	57,557
Port Everglades 4	389	3,665	1,125,166	79%	1.2	89.8	59,426
Turkey Point 1	395	3,485	1,078,681	78%	1.1	91.0	55,473
Port Everglades 3	382	3,564	1,076,572	79%	1.1	92.1	55,707
St. Johns River 2	128	7,854	1,001,597	99%	1.1	93.2	14,939
Cape Canaveral 1	396	3,069	978,300	81%	1.0	94.2	51,244
Riviera 4	280	4,309	953,477	79%	1.0	95.2	52,414
Riviera 3	274	4,445	942,814	77%	1.0	96.2	52,047
St. Johns River 1	128	6,478	824,409	99%	0.9	97.1	12,481
Turkey Point 2	395	2,583	755,734	74%	0.8	97.9	40,503
Ft. Myers SC 3	165	1,540	428,733	84%	0.5	98.3	33,129
Putnam 1	244	2,193	374,086	70%	0.4	98.7	23,817
Putnam 2	244	1,845	299,178	67%	0.3	99.0	19,966
Port Everglades 2	210	1,503	188,394	60%	0.2	99.2	11,481
Port Everglades 1	210	1,398	162,015	55%	0.2	99.4	10,756
Sanford 3	139	1,687	143,226	61%	0.2	99.6	8,171
Ft. Myers GT 1-12	582	425	128,859	52%	0.1	99.7	17,754
Ft. lauderdale GT 1-24	719	395	90,008	32%	0.1	99.8	11,810
Port Everglades GT 1-11	363	385	82,248	59%	0.1	99.9	10,601
Cutler 6	140	1,125	69,916	44%	0.1	100.0	6,106
Cutler 5	69	1,085	33,836	45%	0.0	100.0	3,055
Total	20,311		94,398,455		100.0	100.0	3,616,135

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

JANUARY THROUGH DECEMBER, 2005

Lauderdale Unit 4

Lauderdale Unit 5

Manatee Unit 1

Manatee Unit 2

Martin Unit 1

Martin Unit 2

Martin Unit 3

Martin Unit 4

Scherer Unit 4

St. Lucie Unit 1

St. Lucie Unit 2

Turkey Point Unit 3

Turkey Point Unit 4

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE (ESTIMATED)

**FLORIDA POWER & LIGHT COMPANY
JANUARY THROUGH DECEMBER, 2005**

Generating Performance Incentive Points (GPIF)	Fuel Savings/(Loss) (\$000)	Generating Performance Incentive Factor (\$000)
+ 10	71,721	25,569
+ 9	64,549	23,012
+ 8	57,377	20,455
+ 7	50,205	17,898
+ 6	43,033	15,342
+ 5	35,861	12,785
+ 4	28,689	10,228
+ 3	21,516	7,671
+ 2	14,344	5,114
+ 1	7,172	2,557
0	0	0
- 1	(7,175)	(2,557)
- 2	(14,350)	(5,114)
- 3	(21,525)	(7,671)
- 4	(28,700)	(10,228)
- 5	(35,875)	(12,785)
- 6	(43,050)	(15,342)
- 7	(50,225)	(17,898)
- 8	(57,400)	(20,455)
- 9	(64,576)	(23,012)
- 10	(71,751)	(25,569)

GENERATING PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

ESTIMATED

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2005

LINE 1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY		\$	6,029,044,746
	END OF MONTH BALANCE OF COMMON EQUITY			
LINE 2	MONTH OF JANUARY	2005	\$	6,158,490,202
LINE 3	MONTH OF FEBRUARY	2005	\$	6,143,724,921
LINE 4	MONTH OF MARCH	2005	\$	6,154,980,006
LINE 5	MONTH OF APRIL	2005	\$	6,163,547,843
LINE 6	MONTH OF MAY	2005	\$	6,179,880,106
LINE 7	MONTH OF JUNE	2005	\$	6,197,832,313
LINE 8	MONTH OF JULY	2005	\$	6,423,964,998
LINE 9	MONTH OF AUGUST	2005	\$	6,430,544,904
LINE 10	MONTH OF SEPTEMBER	2005	\$	6,423,676,130
LINE 11	MONTH OF OCTOBER	2005	\$	6,398,663,851
LINE 12	MONTH OF NOVEMBER	2005	\$	6,380,648,929
LINE 13	MONTH OF DECEMBER	2005	\$	6,525,480,148
LINE 14	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 13 DIVIDED BY 13)		\$	6,277,729,000
LINE 15	25 BASIS POINTS			0.0025
LINE 16	REVENUE EXPANSION FACTOR			60.4594%
LINE 17	MAXIMUM ALLOWED INCENTIVE DOLLARS (LINE 14 TIMES LINE 15 DIVIDED BY LINE 16)		\$	25,958,449
LINE 18	JURISDICTIONAL SALES			103,009,995,124 KWH
LINE 19	TOTAL SALES			104,577,999,841 KWH
LINE 20	JURISDICTIONAL SEPARATION FACTOR (LINE 18 DIVIDED BY LINE 19)			98.50%
LINE 21	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS		\$	25,569,237

GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2005

<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>		
Lauderdale 4	0.71	92.7	94.7	90.7	509.0	-509.0
Lauderdale 5	0.48	75.5	77.5	73.5	344.6	-344.6
Manatee 1	0.45	74.6	76.6	72.6	320.1	-320.1
Manatee 2	0.51	96.0	98.0	94.0	368.7	-368.7
Martin 1	0.44	76.0	78.5	73.5	318.1	-318.1
Martin 2	0.35	92.9	95.4	90.4	254.2	-254.2
Martin 3	1.20	92.2	95.2	89.2	859.7	-859.7
Martin 4	1.10	92.5	95.0	90.0	785.8	-785.8
Scherer 4	4.89	95.5	97.5	93.5	3,503.7	-3,503.7
St. Lucie 1	12.44	77.2	80.2	74.2	8,919.5	-8,919.5
St. Lucie 2	12.79	93.6	96.6	90.6	9,173.4	-9,173.4
Turkey Point 3	12.43	93.6	96.6	90.6	8,913.0	-8,913.0
Turkey Point 4	10.45	75.8	78.8	72.8	7,492.8	-7,492.8
	<u>58.23</u>				<u>41,762.8</u>	<u>-41,762.8</u>

GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2005

<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>		
Lauderdale 4	7.63	7,515	94.7	7,212	7,818	5,474.0	-5,474.0
Lauderdale 5	1.74	7,511	92.2	7,371	7,651	1,246.7	-1,246.7
Manatee 1	2.98	10,274	65.2	10,023	10,524	2,134.2	-2,134.2
Manatee 2	5.12	10,248	61.9	9,910	10,587	3,672.5	-3,672.5
Martin 1	3.62	9,994	65.7	9,778	10,210	2,596.0	-2,596.0
Martin 2	4.36	9,964	67.5	9,746	10,183	3,129.8	-3,129.8
Martin 3	1.68	6,977	89.1	6,849	7,105	1,206.0	-1,206.0
Martin 4	3.14	6,926	89.8	6,750	7,101	2,254.7	-2,254.7
Scherer 4	1.07	10,151	89.7	9,965	10,336	765.0	-765.0
St. Lucie 1	0.77	10,846	100.0	10,793	10,899	550.3	-552.6
St. Lucie 2	0.04	10,866	100.0	10,790	10,942	25.2	-25.3
Turkey Point 3	5.93	11,043	100.0	10,787	11,299	4,253.4	-4,268.8
Turkey Point 4	3.70	11,078	100.3	10,868	11,287	2,650.8	-2,662.3
	41.77					29,958.6	-29,987.8

**PROJECTED UNIT HEAT RATE EQUATIONS
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2005**

<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>				
Lauderdale 4	7,515	94.7	433	8573	-11.17	303	07-01	06-04	Mar-04, Apr-04
Lauderdale 5	7,511	92.2	432	8131	-6.73	140	07-01	06-04	Nov-03, Dec-03, Jan-04
Manatee 1	10,274	65.2	806	10648	-5.73	250	07-01	06-04	Nov-02, Apr-03, May-03
Manatee 2	10,248	61.9	806	10822	-9.27	339	07-01	06-04	Nov-01, Feb-04, Mar-04, Apr-04
Martin 1	9,994	65.7	807	10189	-2.97	216	07-01	06-04	Oct-02, Feb-03
Martin 2	9,964	67.5	799	10234	-3.99	218	07-01	06-04	Nov-02, Jan-03, Feb-04, May-04
Martin 3	6,977	89.1	452	7336	-4.03	128	07-01	06-04	Aug-03, Sep-03
Martin 4	6,926	89.8	453	7145	-2.44	176	07-01	06-04	Jun-02, Jul-02, Nov-02, Nov-03
Scherer 4	10,151	89.7	645	10878	-8.12	186	07-01	06-04	No exclusions
St. Lucie 1	10,846	100.0	845	15106	-42.61	53	07-01	06-04	Oct-02, Apr-04
St. Lucie 2	10,866	100.0	719	13016	-21.50	76	07-01	06-04	Dec-01, Apr-03, May-03, Jun-03
Turkey Point 3	11,043	100.0	703	13204	-21.60	256	07-01	06-04	Oct-01, Mar-03
Turkey Point 4	11,078	100.3	703	14739	-36.48	210	07-01	06-04	Jul-02, Jan-03, Oct-03

DERIVATION OF WEIGHT FACTORS

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2005

PRODUCTION COSTING SIMULATION
FUEL COST (\$000)

Unit	Performance Indicator	At Target (1)	At Maximum Improvement (2)	Savings (3)	Factor (% Of Savings)
Lauderdale 4	EAF	3,616,135	3,615,626	509.0	0.71
Lauderdale 4	ANOHR	3,616,135	3,610,661	5,474.0	7.63
Lauderdale 5	EAF	3,616,135	3,615,790	344.6	0.48
Lauderdale 5	ANOHR	3,616,135	3,614,888	1,246.7	1.74
Manatee 1	EAF	3,616,135	3,615,815	320.1	0.45
Manatee 1	ANOHR	3,616,135	3,614,001	2,134.2	2.98
Manatee 2	EAF	3,616,135	3,615,766	368.7	0.51
Manatee 2	ANOHR	3,616,135	3,612,463	3,672.5	5.12
Martin 1	EAF	3,616,135	3,615,817	318.1	0.44
Martin 1	ANOHR	3,616,135	3,613,539	2,596.0	3.62
Martin 2	EAF	3,616,135	3,615,881	254.2	0.35
Martin 2	ANOHR	3,616,135	3,613,005	3,129.8	4.36
Martin 3	EAF	3,616,135	3,615,275	859.7	1.20
Martin 3	ANOHR	3,616,135	3,614,929	1,206.0	1.68
Martin 4	EAF	3,616,135	3,615,349	785.8	1.10
Martin 4	ANOHR	3,616,135	3,613,880	2,254.7	3.14
Scherer 4	EAF	3,616,135	3,612,631	3,503.7	4.89
Scherer 4	ANOHR	3,616,135	3,615,370	765.0	1.07
St. Lucie 1	EAF	3,616,135	3,607,215	8,919.5	12.44
St. Lucie 1	ANOHR	3,616,135	3,615,585	550.3	0.77
St. Lucie 2	EAF	3,616,135	3,606,962	9,173.4	12.79
St. Lucie 2	ANOHR	3,616,135	3,616,110	25.2	0.04
Turkey Point 3	EAF	3,616,135	3,607,222	8,913.0	12.43
Turkey Point 3	ANOHR	3,616,135	3,611,882	4,253.4	5.93
Turkey Point 4	EAF	3,616,135	3,608,642	7,492.8	10.45
Turkey Point 4	ANOHR	3,616,135	3,613,484	2,650.8	3.70
TOTAL				71,721.4	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, 2005**

<u>Plant/Unit</u>	<u>EAF</u>	<u>EPOF</u>	<u>EUOF</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>
Lauderdale 4	92.7	3.3	4.0	8760	8003	118	639	289	175	175	3,278,217
Lauderdale 5	75.5	19.7	4.8	8760	6595	19	2146	1726	175	245	2,622,653
Manatee 1	74.6	20.5	4.9	8760	4501	2034	2225	1796	254	175	2,366,608
Manatee 2	96.0	0.0	4.0	8760	5268	3142	350	0	175	175	2,625,941
Martin 1	76.0	17.3	6.7	8760	5534	1124	2102	1515	412	175	2,934,991
Martin 2	92.9	0.0	7.1	8760	6542	1596	622	0	175	447	3,530,341
Martin 3	92.2	0.8	7.0	8760	7679	398	683	70	263	350	3,092,943
Martin 4	92.5	2.5	5.0	8760	7662	441	657	219	175	263	3,112,541
Scherer 4	95.5	0.0	4.5	8760	7844	522	394	0	175	219	4,536,350
St. Lucie 1	77.2	16.4	6.4	8760	6759	0	2001	1440	280	280	6,027,256
St. Lucie 2	93.6	0.0	6.4	8760	8199	0	561	0	280	280	6,140,275
Turkey Point 3	93.6	0.0	6.4	8760	8199	0	561	0	280	280	6,003,740
Turkey Point 4	75.8	17.8	6.4	8760	6639	0	2121	1560	280	280	4,949,673

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

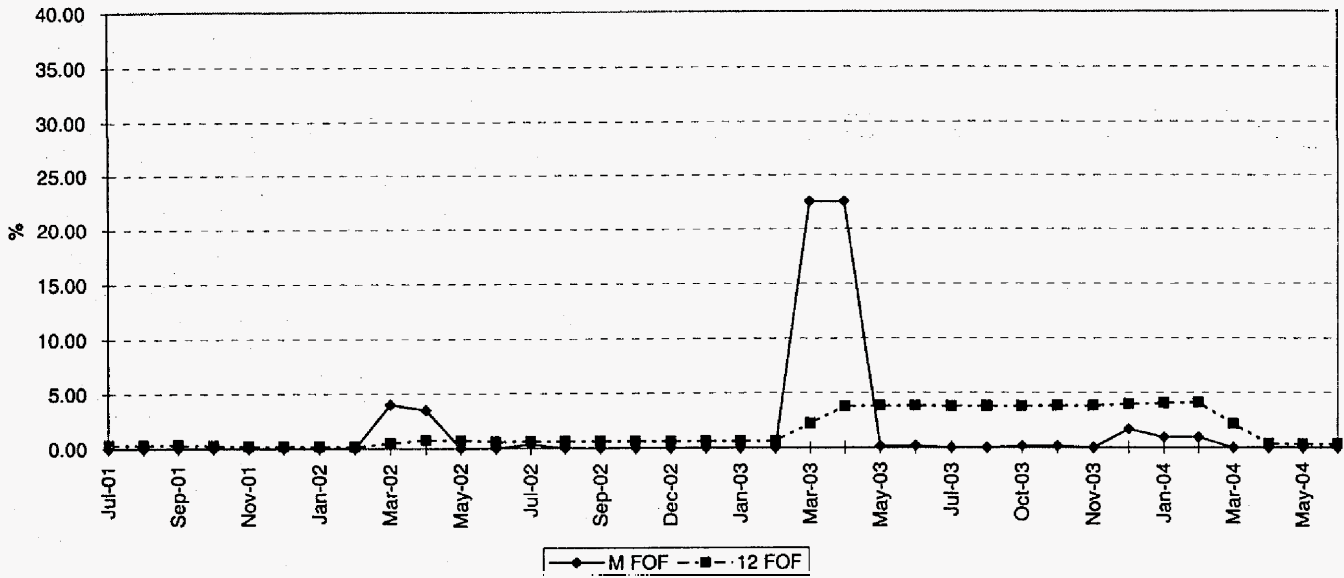
UH = unavailable hours. $UH = PH - SH - RSH$

EPOH = equivalent planned outage hours

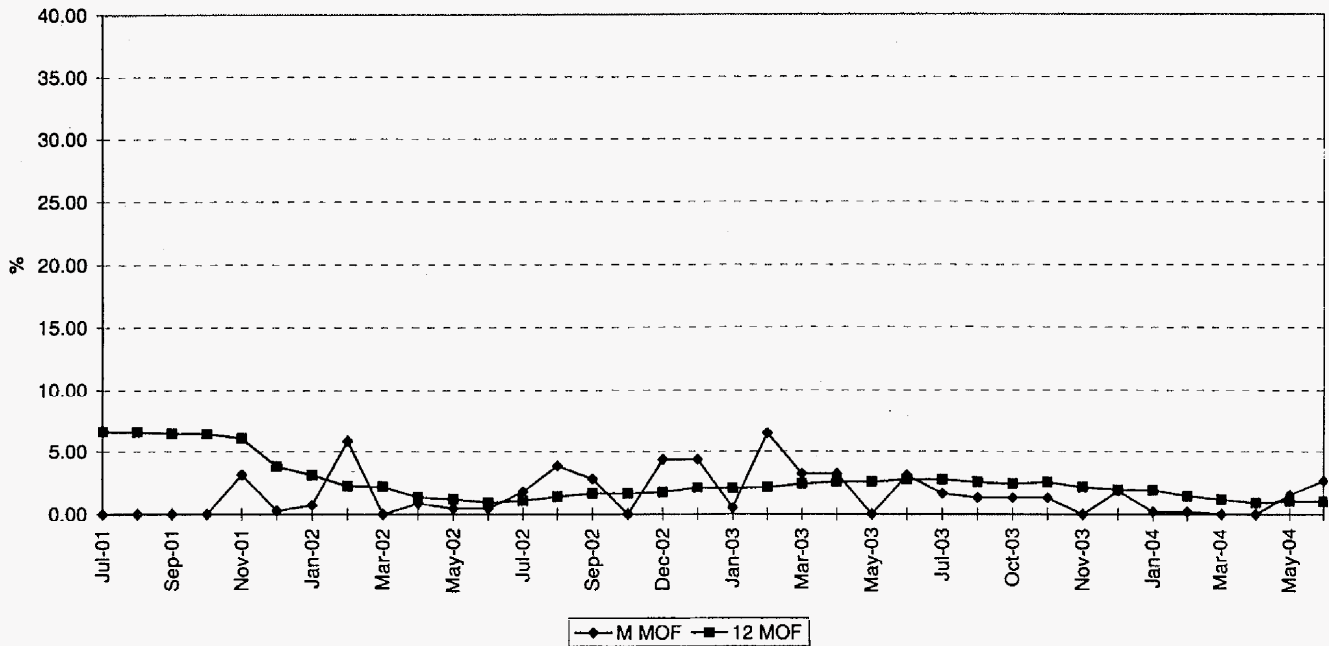
EFOH = equivalent forced outage hours

EMOH = equivalent maintenance outage hours

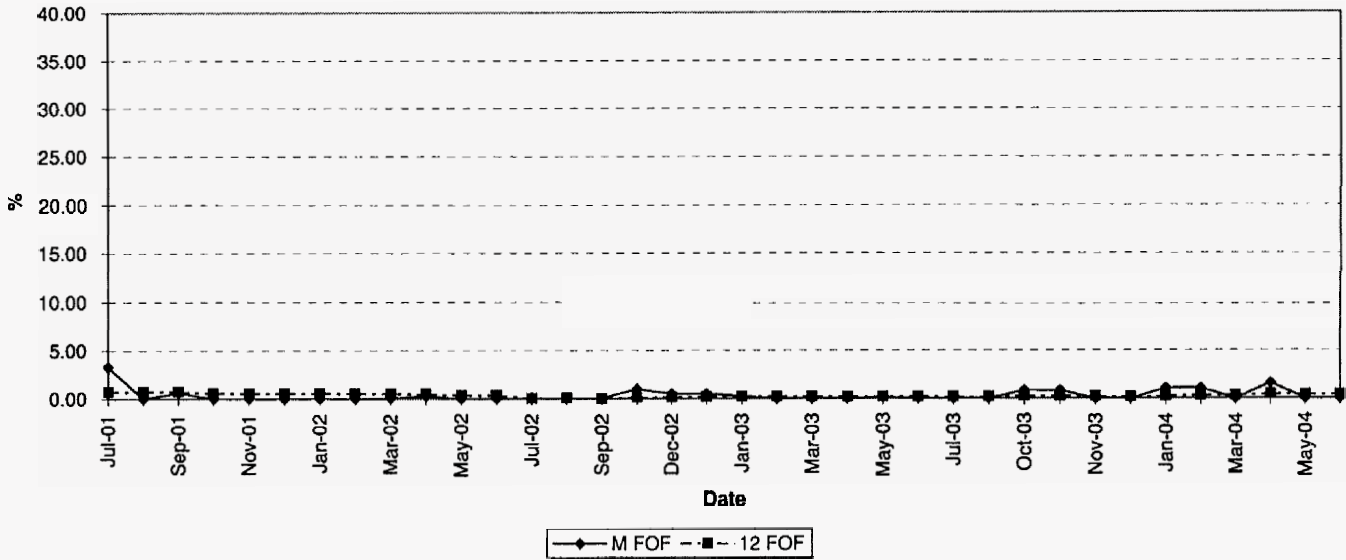
PFL 4 FORCED OUTAGE FACTOR



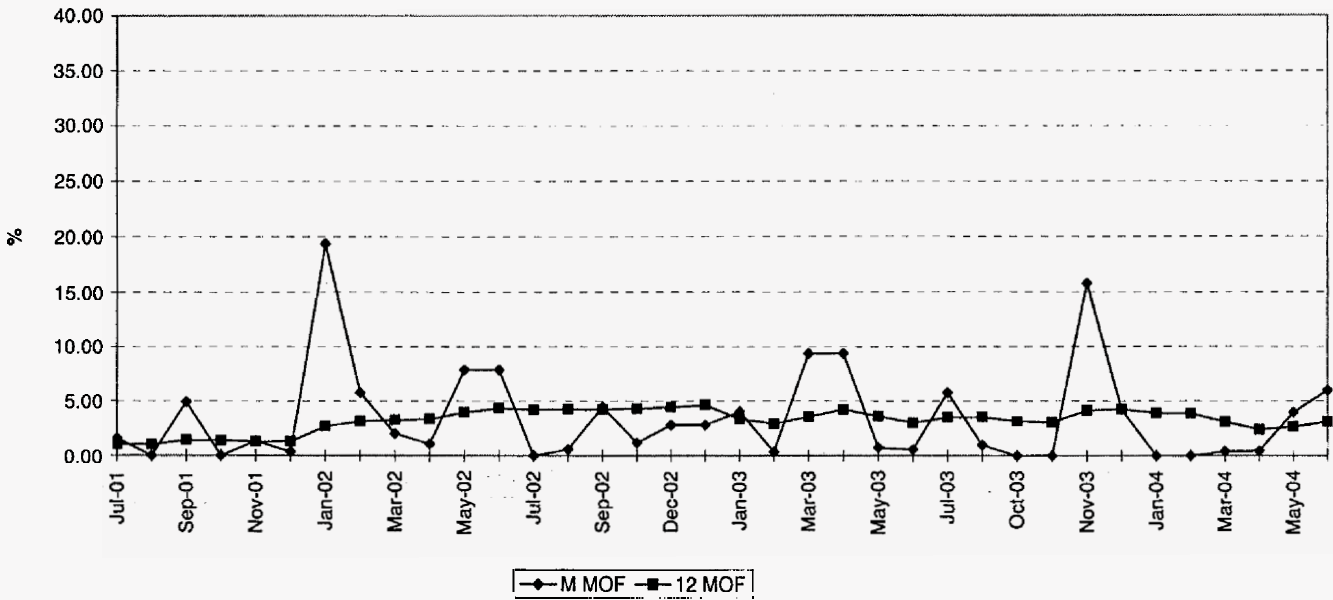
MAINTENANCE OUTAGE FACTOR



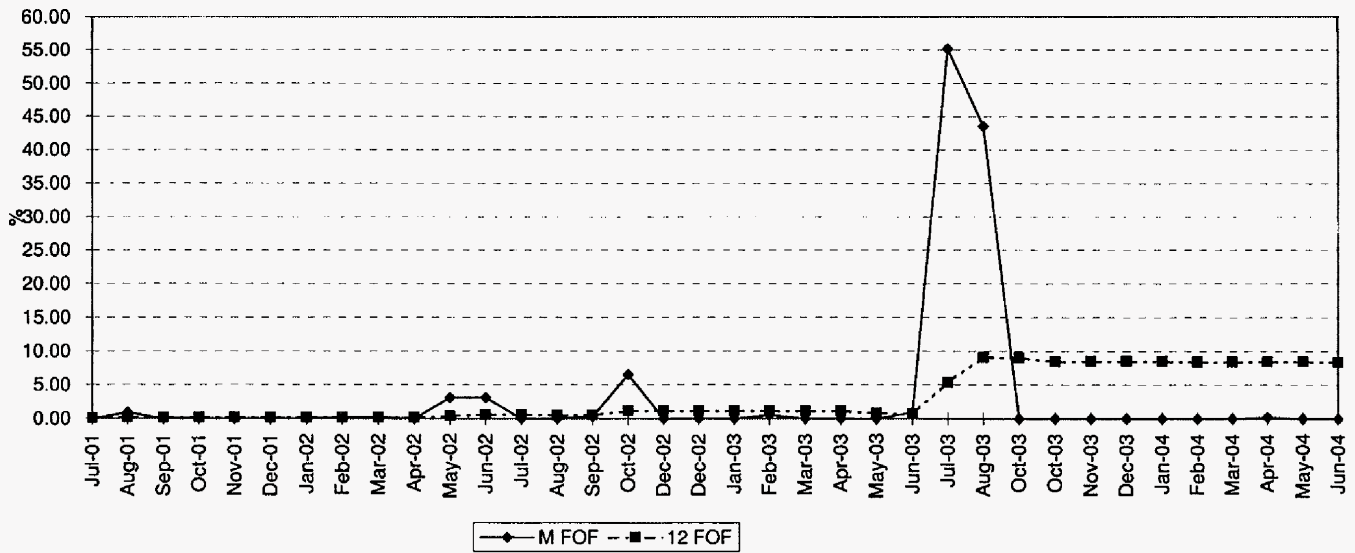
PFL 5 FORCED OUTAGE FACTOR



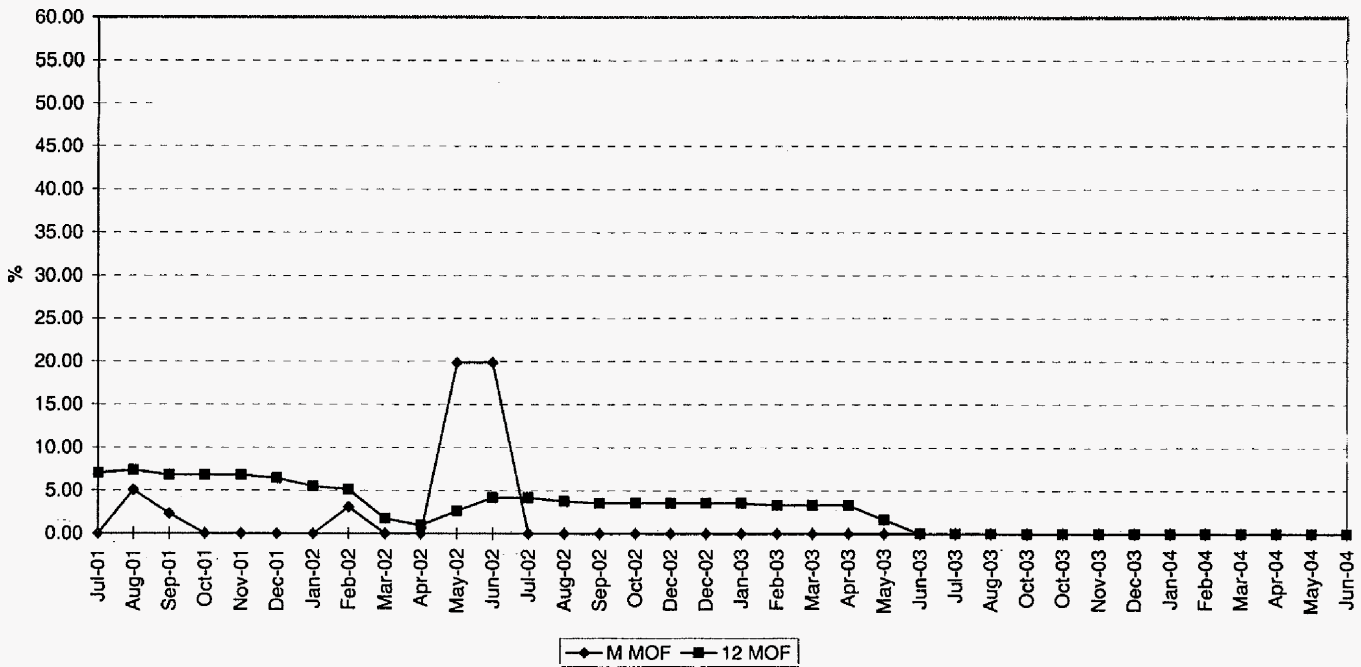
MAINTENANCE OUTAGE FACTOR



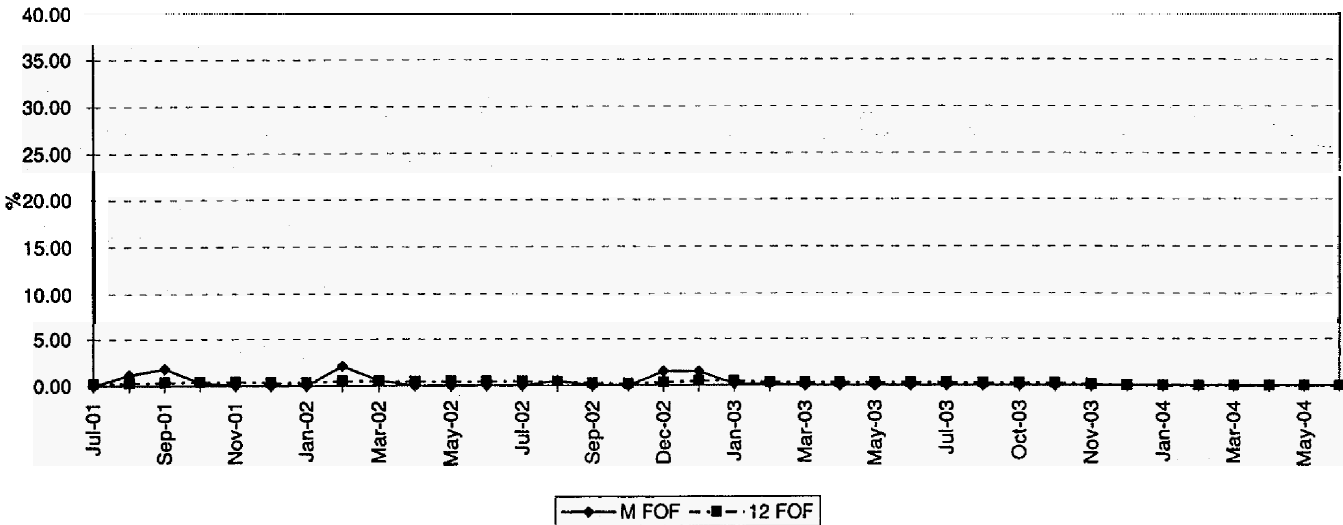
PMT 1 FORCED OUTAGE FACTOR



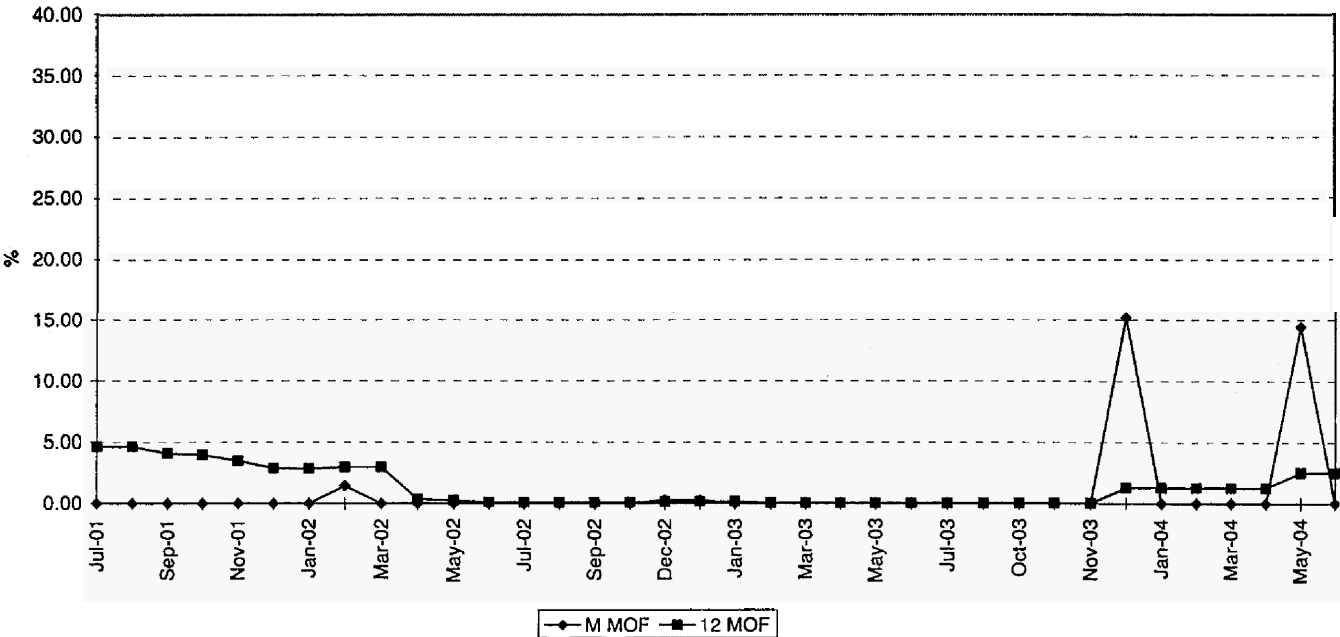
MAINTENANCE OUTAGE FACTOR



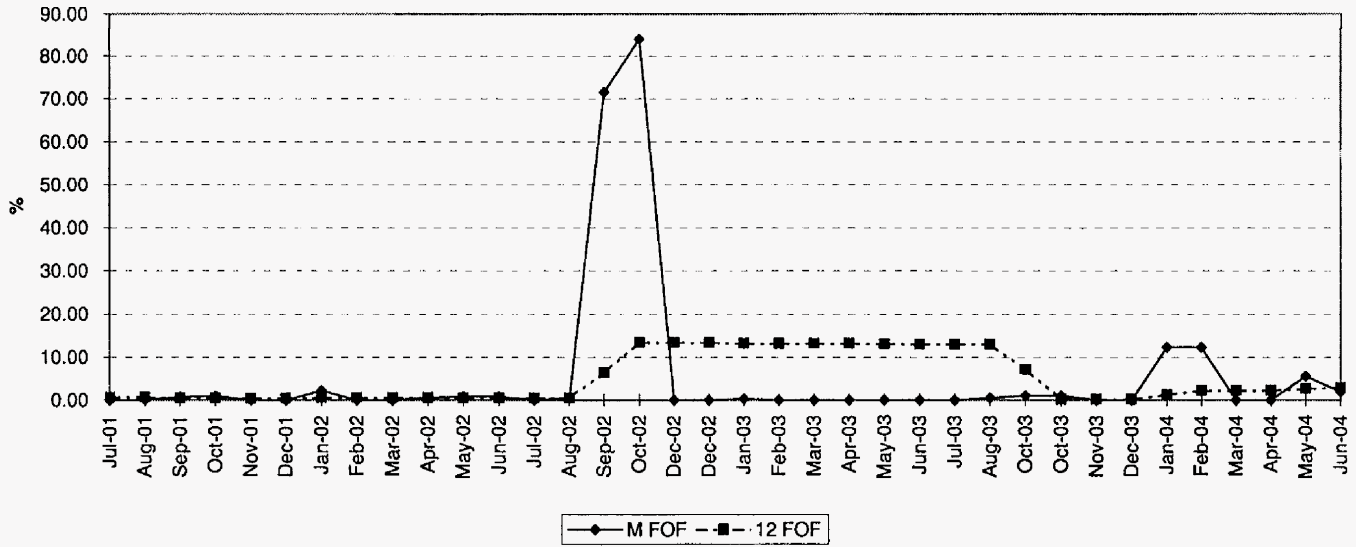
PMT 2 FORCED OUTAGE FACTOR



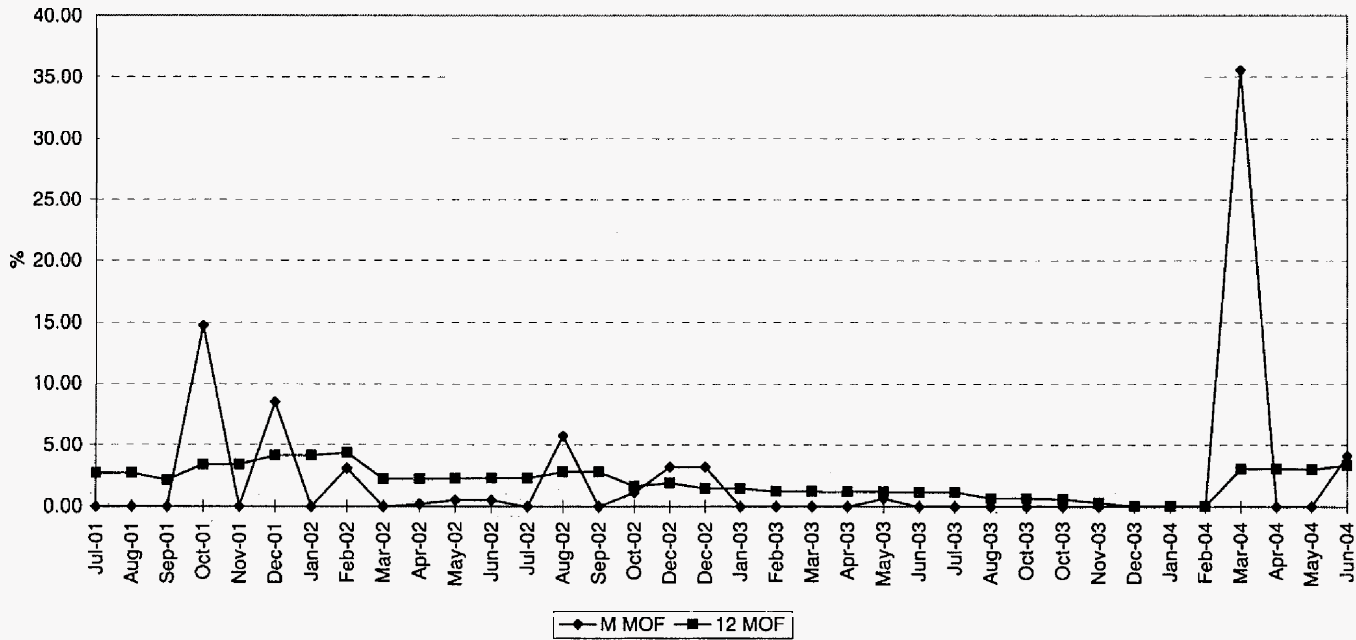
MAINTENANCE OUTAGE FACTOR



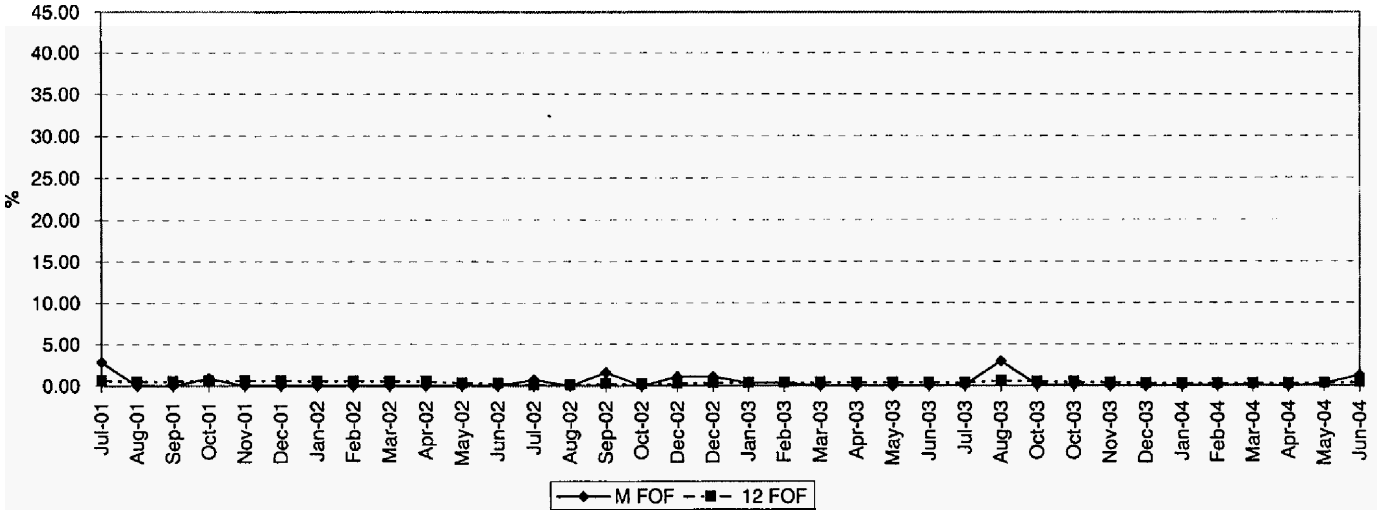
PMR 1 FORCED OUTAGE FACTOR



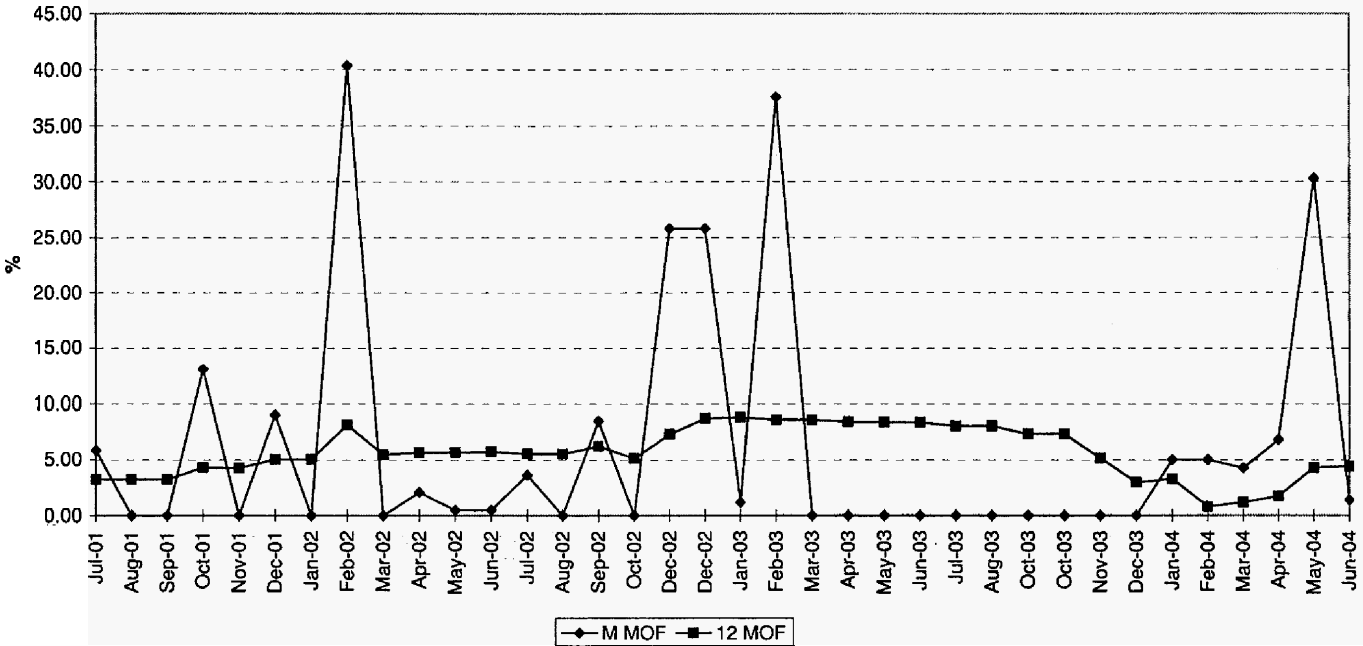
MAINTENANCE OUTAGE FACTOR



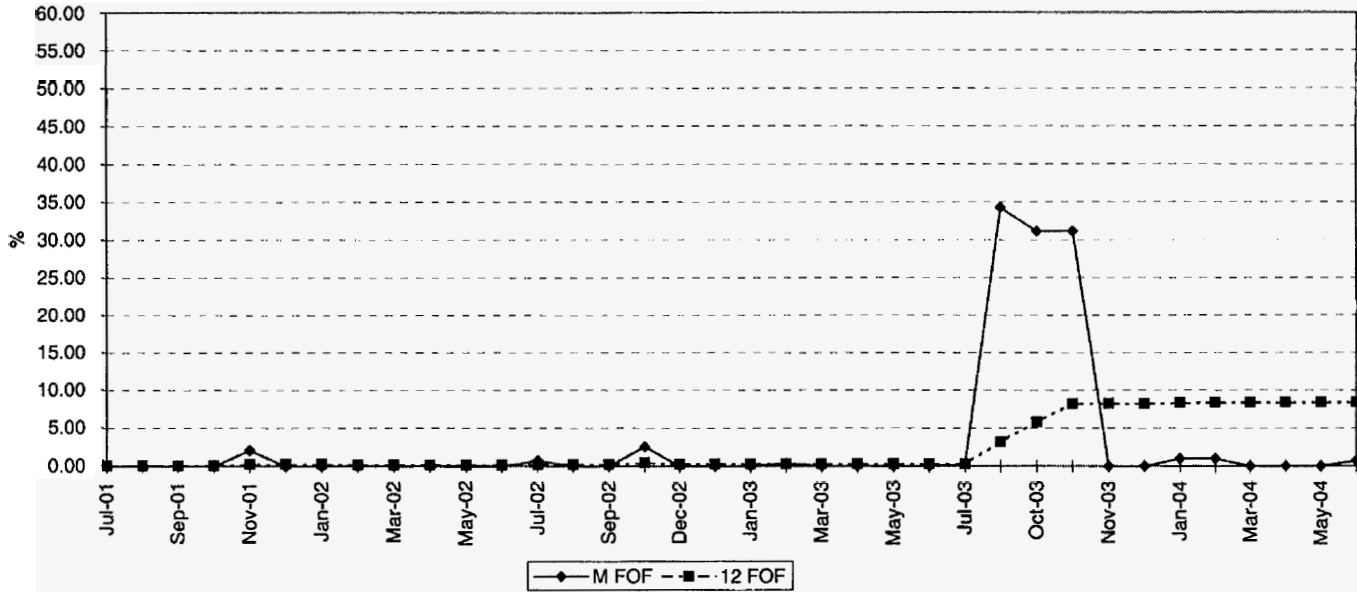
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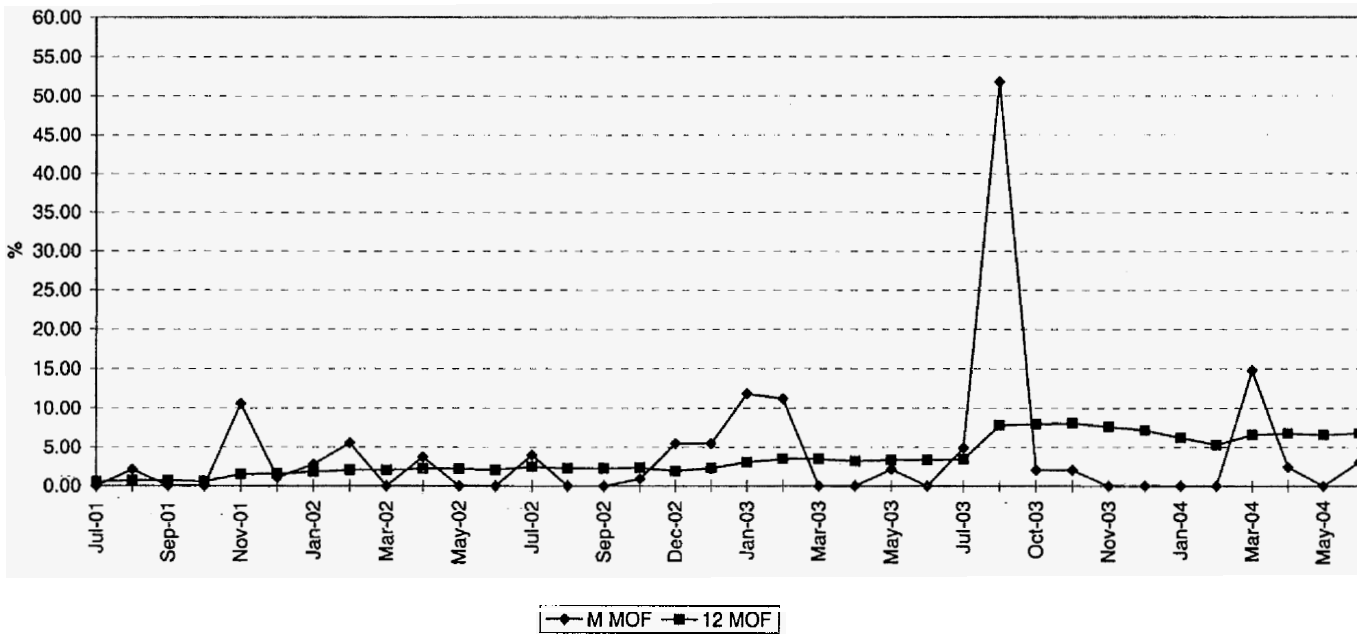
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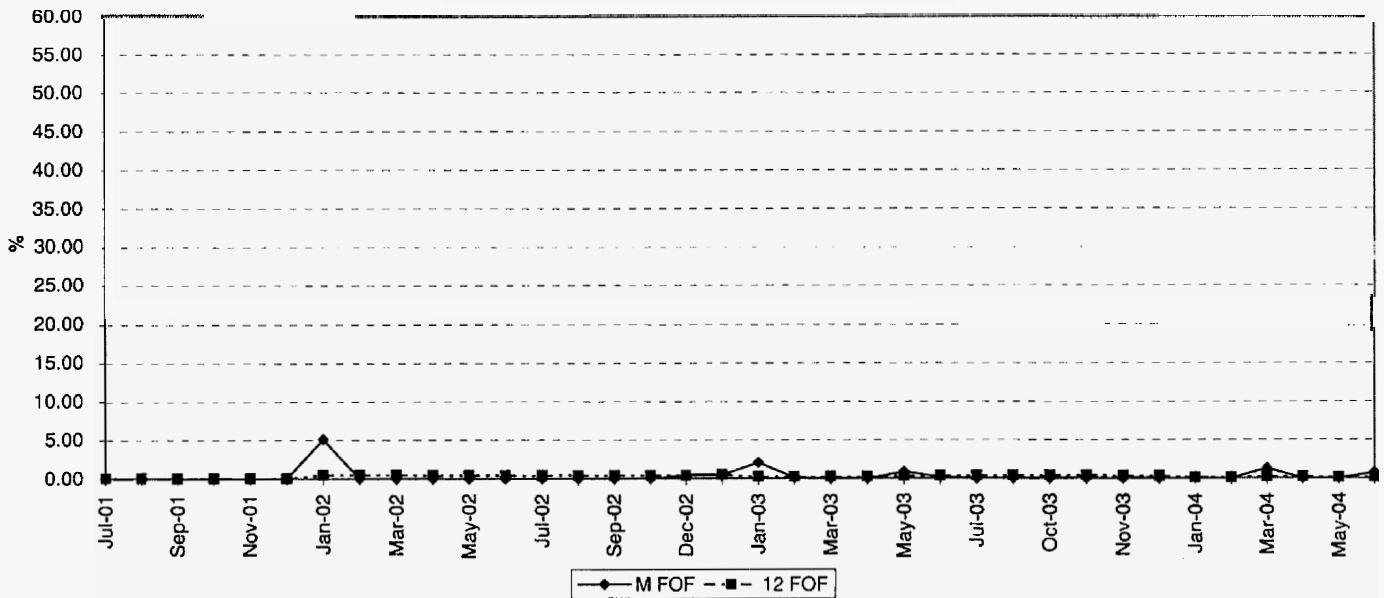
PMG 3 FORCED OUTAGE FACTOR



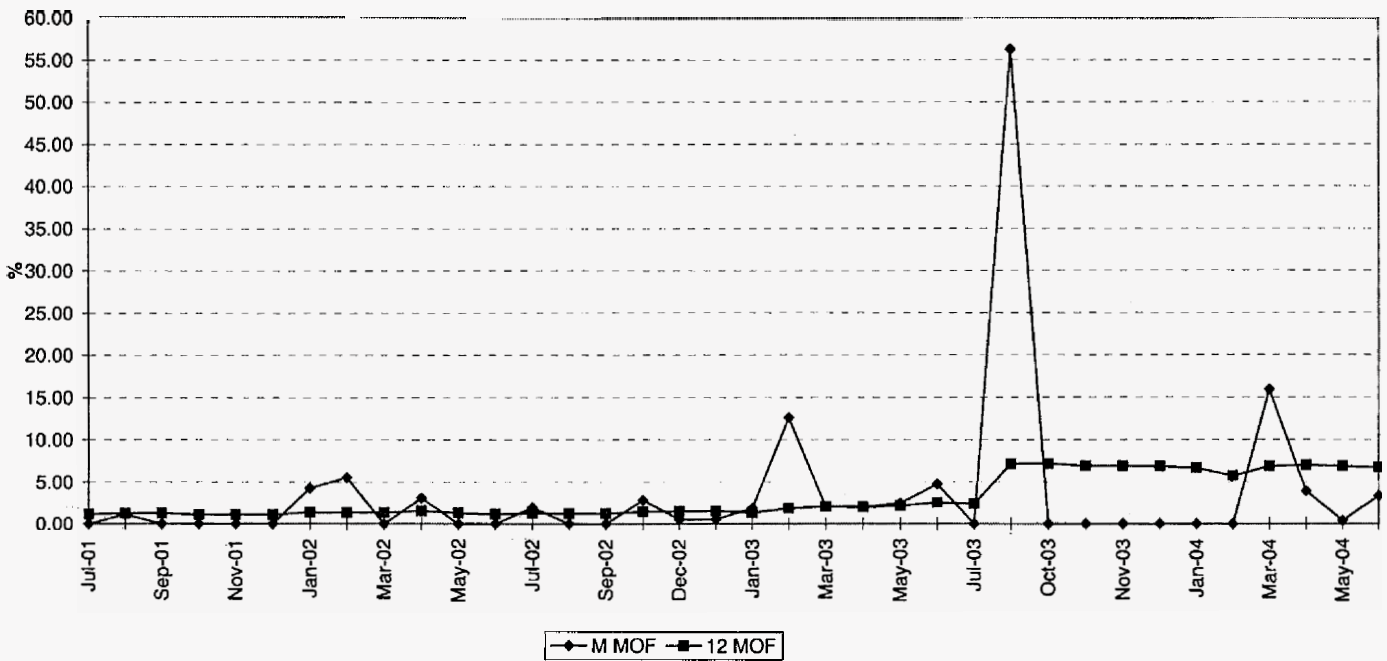
MAINTENANCE OUTAGE FACTOR



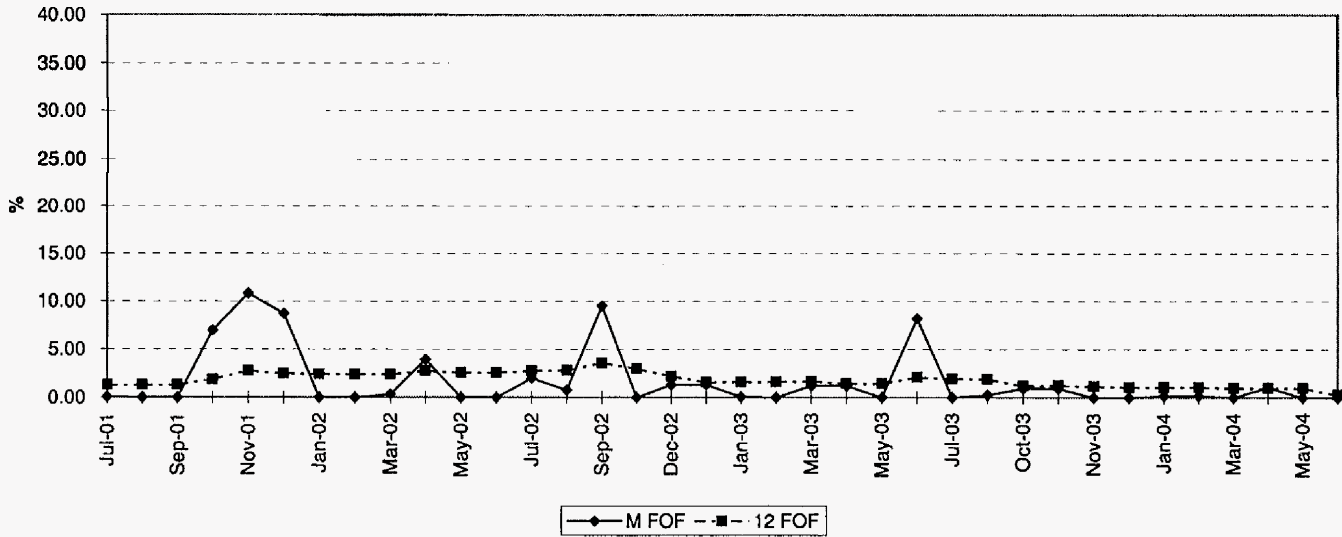
PMG 4 FORCED OUTAGE FACTOR



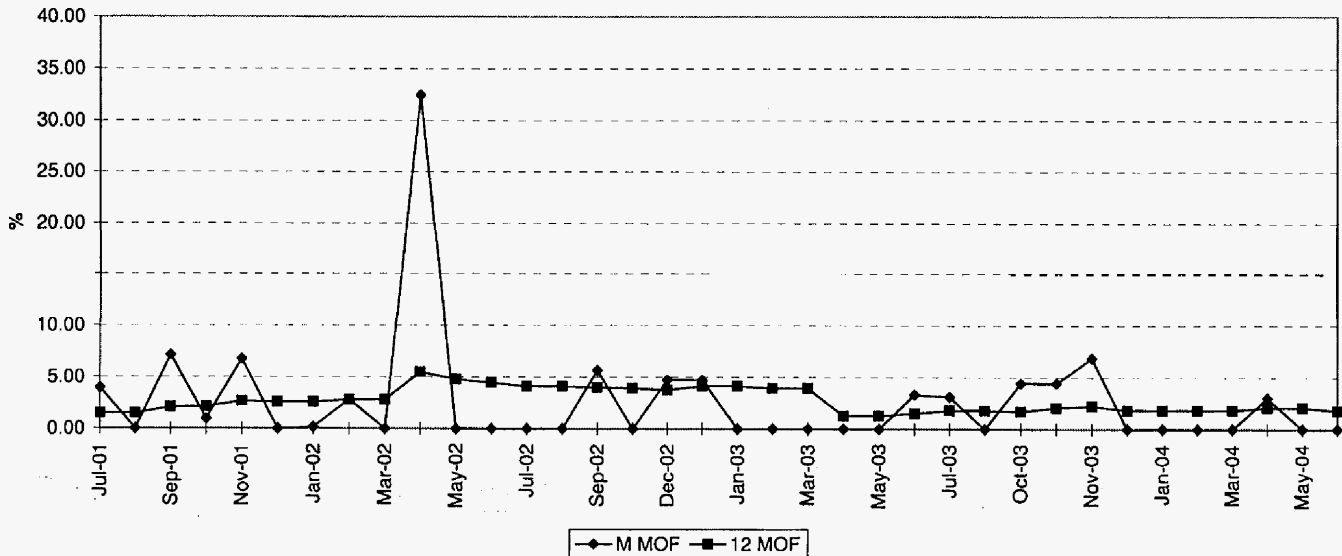
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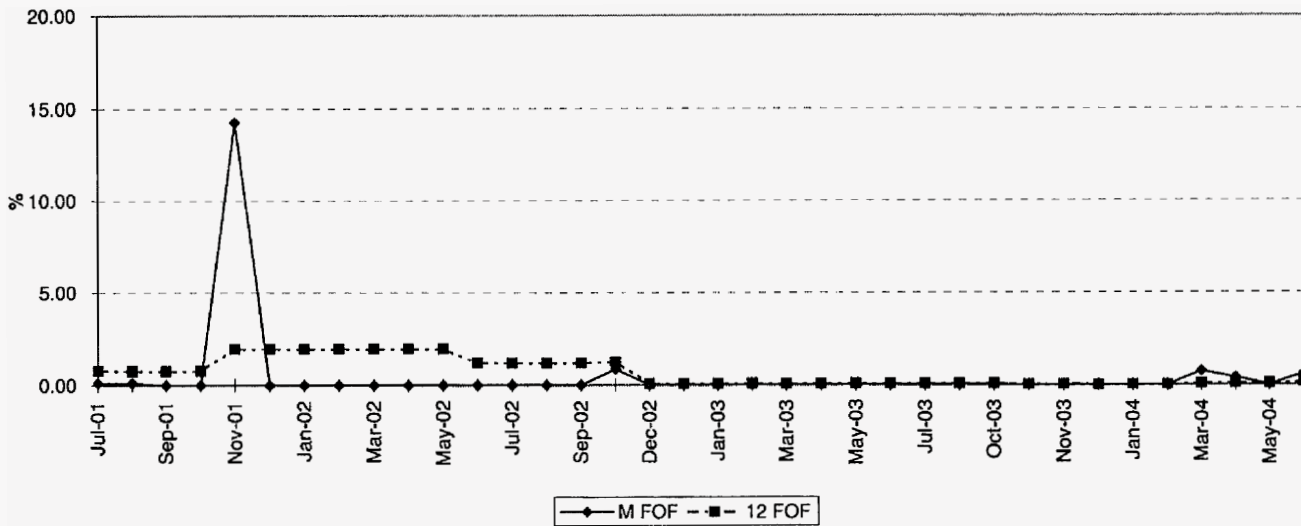
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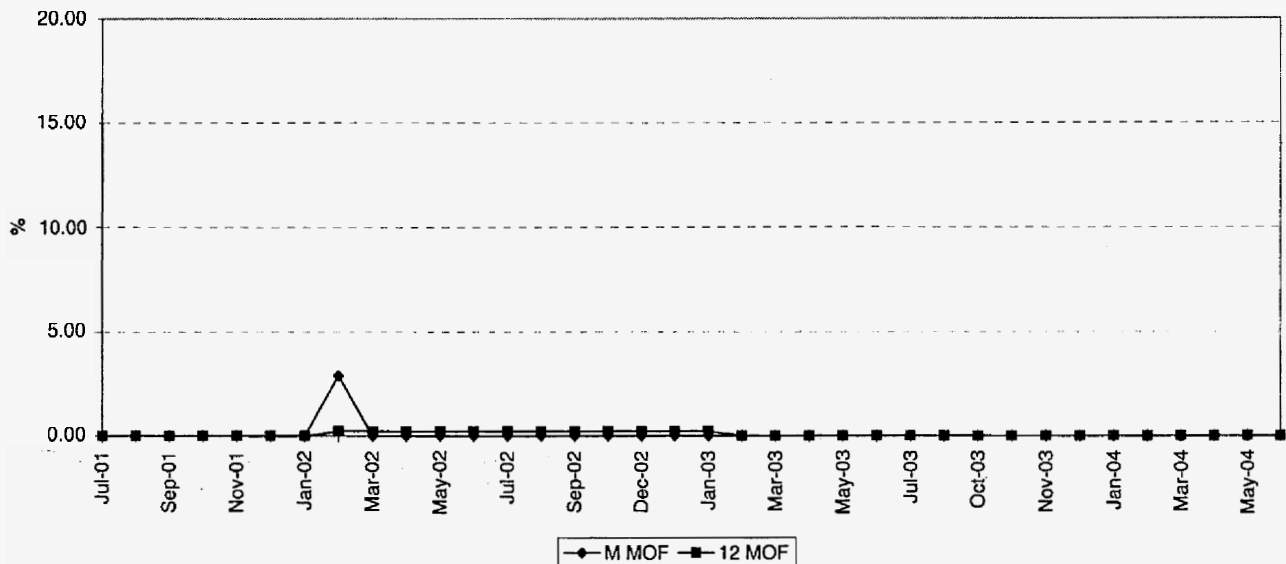
MAINTENANCE OUTAGE FACTOR



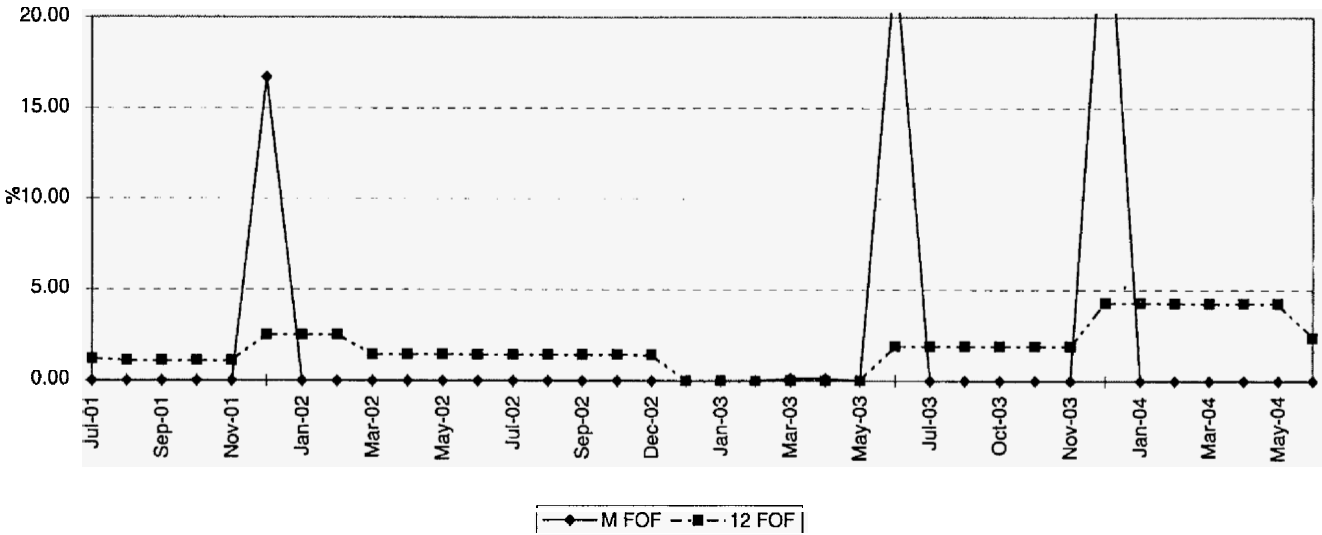
PSL 1 FORCED OUTAGE FACTOR



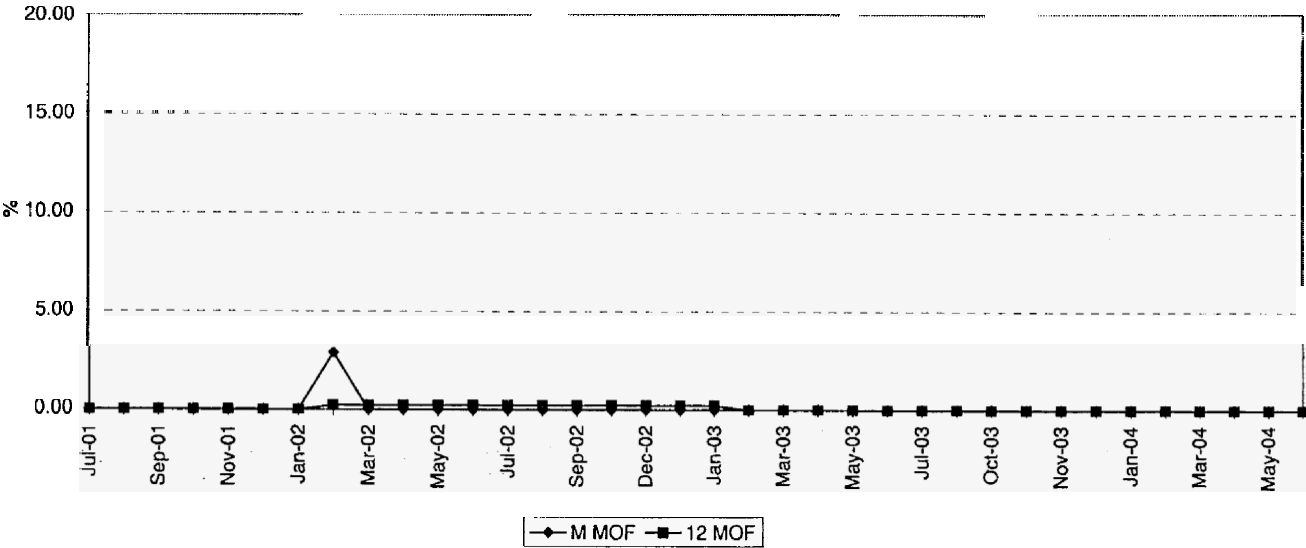
MAINTENANCE OUTAGE FACTOR



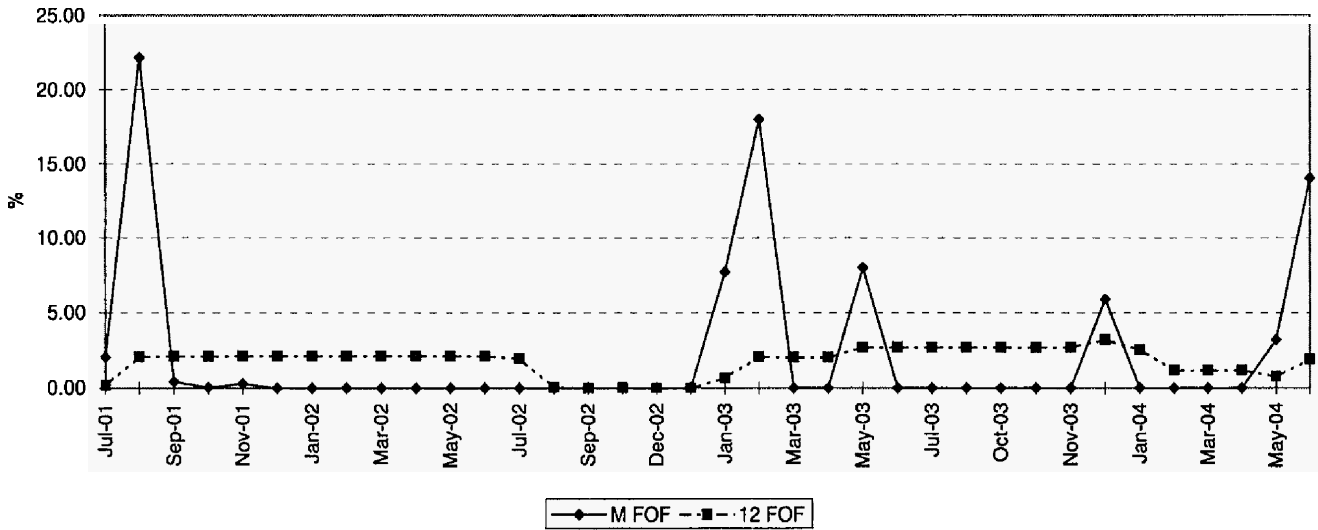
PSL 2 FORCED OUTAGE FACTOR



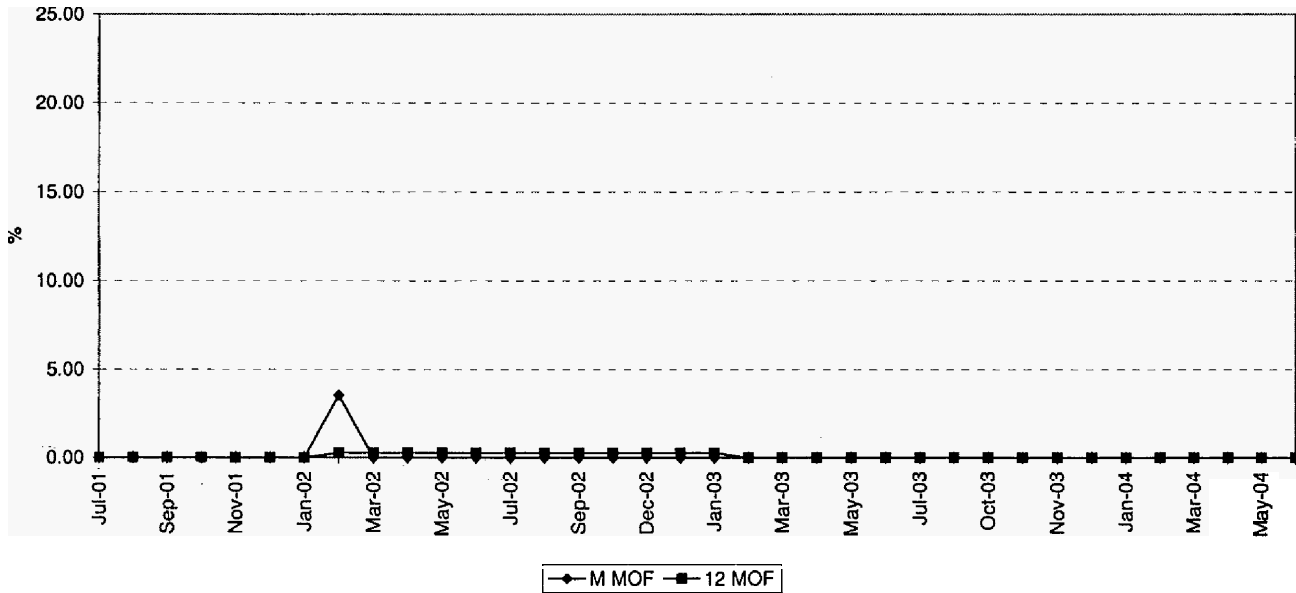
MAINTENANCE OUTAGE FACTOR



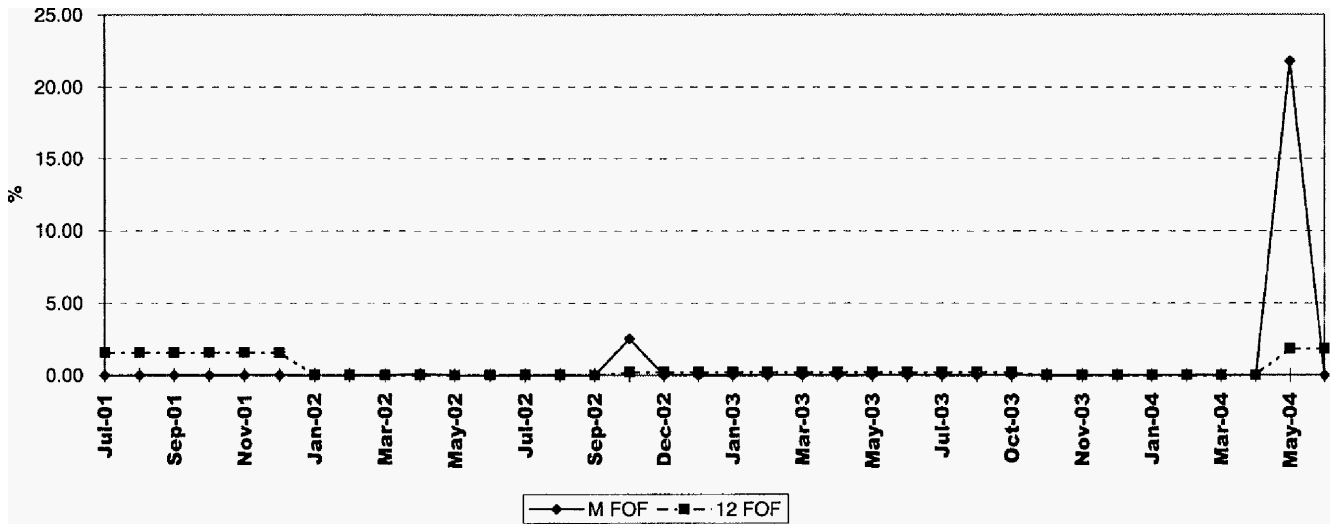
PTN 3 FORCED OUTAGE FACTOR



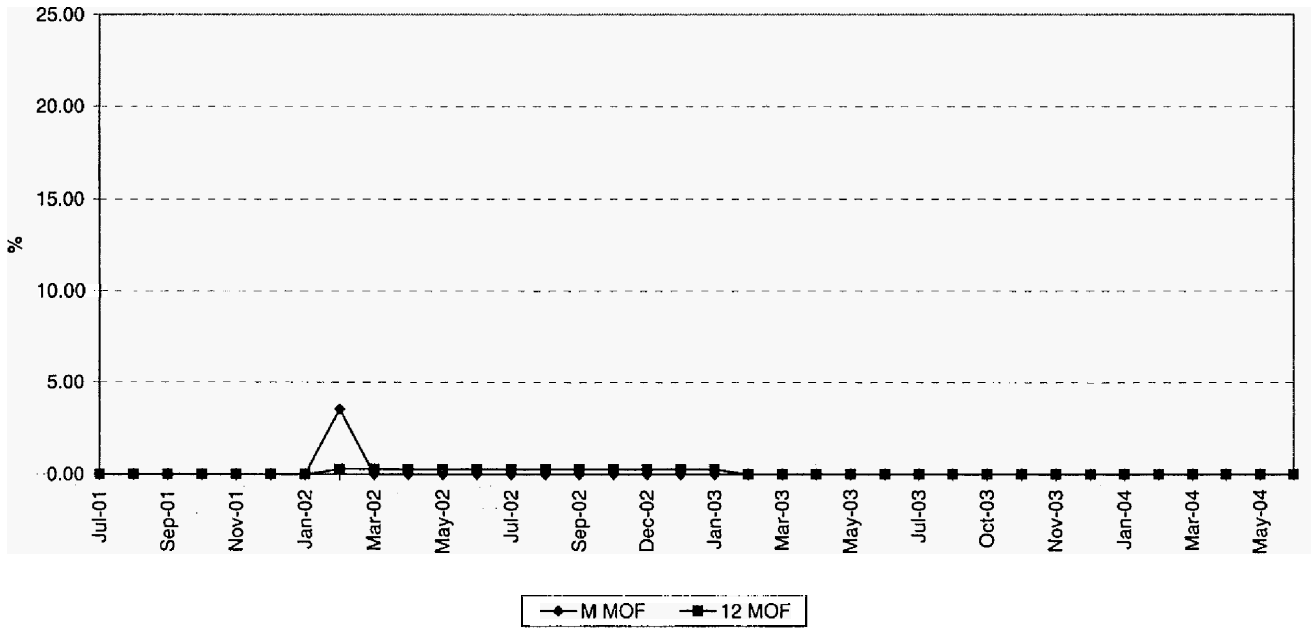
MAINTENANCE OUTAGE FACTOR



PTN 4 FORCED OUTAGE FACTOR



MAINTENANCE OUTAGE FACTOR



PLANNED OUTAGE SCHEDULE (ESTIMATED)

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: JANUARY THROUGH DECEMBER, 2005

PLANT/UNIT	PLAN OUTAGE*	REASON FOR OUTAGE	LR MW**
Lauderdale 4	03/19/2005 - 03/30/2005	A CT COMBUSTOR INSPECTION (CI) / B CT CI	443
Lauderdale 5	09/24/2005 - 12/04/2005	A CT MAJOR OH / B CT CI / STEAM (ST) GEN STATOR REWIND (G	442
Manatee 1	09/17/2005 - 11/30/2005	GSR / REBURN UPGRADE	802
Manatee 2	NONE		
Martin 1	01/29/2005 - 04/01/2005	ST TURB IP/ MINOR BOILER/GENERATOR ROTOR REPLACEMENT	813
Martin 2	NONE		
Martin 3	03/12/2005 - 03/17/2005	B CT COMBUSTOR INSPECTION - 50% CURT	233
Martin 4	02/12/2005 - 02/17/2005	A CT COMBUSTOR INSPECTION - 50% CURT	233
Martin 4	03/19/2005 - 03/30/2005	B CT HOT PATH - 50% CURT	233
Scherer 4	NONE		
St. Lucie 1	10/03/2005 - 12/02/2005	Refueling/reactor vessel head replacement	839
St. Lucie 2	NONE		
Turkey Point 3	NONE		
Turkey Point 4	04/09/2005 - 06/13/2005	Refueling/reactor vessel head replacement	693

*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