

Security

**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

**DOCKET NO. 020001-EI
FLORIDA POWER & LIGHT COMPANY**

SEPTEMBER 20, 2002

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2003 THROUGH DECEMBER 2003

TESTIMONY & EXHIBITS OF:

F. IRIZARRY

DOCUMENT NUMBER - DATE

10114 SEP 20 02

FPSC-COMMISSION CLERK

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **FLORIDA POWER & LIGHT COMPANY**

3 **TESTIMONY OF F. IRIZARRY**

4 **DOCKET NO. 020001-EI**

5 **SEPTEMBER 20, 2002**

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

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

9
10 **Q. Mr. Irizarry, would you please state your present position with**
11 **Florida Power and Light Company (FPL).**

12 A. I am the Manager of Business Services in the Power Generation
13 Division of FPL.

14
15 **Q. Mr. Irizarry, have you previously had testimony presented in this**
16 **docket?**

17 A. No, I have not.

18
19 **Q. Mr. Irizarry, are you adopting the testimony of FPL witness Rene**
20 **Silva entitled "Generating Incentive Performance Factor,**
21 **Performance Factor Results for January through December**
22 **2001" as your own?**

23 Yes, I am.

24
25 **Q. Mr. Irizarry, what is the purpose of your testimony?**

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10114 SEP 20 02

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1 A. The purpose of my testimony is to present the target unit average net
2 operating heat rates and target unit equivalent availability for the
3 period of January through December, 2003, for use in determining the
4 Generating Performance Incentive Factor (GPIF).

5

6 **Q. Mr. Irizarry, please summarize what the FPL system targets are**
7 **for Equivalent Availability Factor (EAF) and Average Net**
8 **Operating Heat Rate (ANOHR).**

9 A. For the period of January through December, 2003, FPL projects a
10 weighted system equivalent planned outage factor of 5.0 % and a
11 weighted system equivalent unplanned outage factor of 6.3 %, which
12 yield a weighted system equivalent availability target of 88.7 %.
13 The targets for this period reflect planned refueling outages for three
14 nuclear units. FPL also projects weighted system average net
15 operating heat rate target of 9,556 btu/kwh for the period January
16 through December, 2003. As discussed later in this testimony, these
17 targets represent fair and reasonable values when compared to
18 historical data. Therefore, FPL requests that the targets for these
19 performance indicators be approved by the Commission.

20

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

23 A. Yes, I have. It consists of one document. The first page of this
24 document is an index to the contents of the document. All other

1 pages are numbered according to the latest revisions of the GPIF
2 Manual as approved by the Commission.

3

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

6 A. Yes, I have. In my Document No.1, pages 6 and 7, contain the
7 information summarizing the targets and ranges for unit equivalent
8 availability and average net operating heat rates for the fifteen (15)
9 generating units which FPL proposes to be considered as GPIF units
10 for the period of January through December, 2003. The Sheets
11 presented in these pages were prepared in accordance with the latest
12 revisions of the GPIF Manual. All of these targets have been derived
13 utilizing methodologies as adopted in Section 4 of the GPIF Manual.

14

15 **Q. Please summarize FPL's methodology for determining equivalent**
16 **availability targets?**

17 A. The GPIF Manual requires that the equivalent availability target for
18 each unit be determined as the difference between 100% and the sum
19 of the Planned Outage Factor (POF) and the Unplanned Outage
20 Factor (UOF). The POF for each unit is determined by the length of
21 the planned outage during the projected period. The GPIF Manual
22 also requires that the sum of the most recent twelve month ending
23 average forced outage factor (FOF) and maintenance outage factor
24 (MOF) be used as the starting value for the determination of the target
25 unplanned outage factor (UOF). The UOF is then adjusted to reflect

1 recent unit performance and known unit modifications or equipment
2 changes. This adjustment is applied to units, which have had, during
3 the historical period, or are forecasted to have, during the projection
4 period, planned outages.

5

6 **Q. Mr. Irizarry, were the EAF targets for the GPIF units determined**
7 **using the methodology as described in the GPIF Operating**
8 **Manual?**

9 A. Yes, they were.

10

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

13 A. The fifteen (15) units which FPL proposes to use for the period of
14 January through December, 2003, represent the top 81.8% of the total
15 forecasted system net generation for this period. These units were
16 selected in accordance with the GPIF Manual, Section 3.1, using the
17 estimated net generation for each unit taken from the production
18 costing simulation program, POWRSYM, which forms the basis for
19 the projected levelized fuel cost recovery factor for the period. As
20 shown on page 3 of Document 1, three units were excluded from the
21 GPIF. They are the Ft. Myers Repowered unit and the Sanford
22 Repowered Units 4 and 5. The repowering of these units from
23 conventional steam units to combined cycle units constitute a major
24 design change affecting both their generation capacity and their
25 performance. As a result, the future performance of these units will

1 not be comparable to their historical performance. Therefore,
2 consistent with established practices, FPL anticipates excluding these
3 units from the GPIF calculations for 3 years from their new
4 commercial start-up date to establish a minimal history to use in
5 projecting future performance.

6

7 **Q. Mr. Irizarry, from the heat rate targets and equivalent**
8 **availability range projections, do FPL's generation performance**
9 **targets represent a reasonable level of efficiency?**

10 A. Yes, they do.

11

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

13 A. Yes, it does.

DOCUMENT NO. 1

WITNESS: F. IRIZARRY

DOCKET NO. 020001-EI

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY THROUGH DECEMBER, 2003

FI - 1
DOCKET NO. 020001-EI
FPL WITNESS: F. IRIZARRY
EXHIBIT No.:
PAGES 1-26
SEPTEMBER 20, 2002

DOCUMENT NUMBER 1 INDEX**FLORIDA POWER & LIGHT COMPANY****JANUARY THROUGH DECEMBER, 2003**

<u>DOCUMENT</u>	<u>PAGE NUMBER</u>	<u>TITLES</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 - 7.201.025	Unit MOF and FOF Versus Time Graphs
	7.201.026	Planned Outages Schedules (Estimated)

Table 2.0
POWRSYM Projected System Generation
January Through December, 2003

<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	1,498	8,155	11,882,175	97%	13.7	13.7	366,083
Sanford Repowered 5	986	7,902	7,439,005	95%	8.6	22.3	209,480
St. Lucie 1	853	8,541	7,215,366	99%	8.3	30.7	23,563
St. Lucie 2	726	7,839	5,639,057	99%	6.5	37.2	18,446
Turkey Point 4	717	7,839	5,515,004	98%	6.4	43.6	17,028
Turkey Point 3	717	7,839	5,500,970	98%	6.4	49.9	17,534
Scherer 4	648	7,510	4,754,098	98%	5.5	55.4	91,850
Sanford Repowered 4	986	4,705	4,500,607	97%	5.2	60.6	126,549
Lauderdale 5	442	6,906	2,975,202	97%	3.4	64.1	90,564
Martin 3	470	6,257	2,629,265	89%	3.0	67.1	73,895
Lauderdale 4	440	6,283	2,616,207	95%	3.0	70.1	81,156
Manatee 2	805	3,451	2,496,421	90%	2.9	73.0	93,403
Martin 4	470	5,675	2,415,473	91%	2.8	75.8	67,910
Martin 2	821	3,224	2,357,272	89%	2.7	78.5	91,415
Turkey Point 2	398	5,295	2,007,979	95%	2.3	80.9	71,350
Martin 1	833	2,579	1,888,611	88%	2.2	83.0	73,347
Cape Canaveral 2	398	4,612	1,718,337	94%	2.0	85.0	60,811
Turkey Point 1	398	4,005	1,514,164	95%	1.8	86.8	54,396
Cape Canaveral 1	398	3,749	1,385,368	93%	1.6	88.4	49,495
Manatee 1	805	1,863	1,306,959	87%	1.5	89.9	49,823
Port Everglades 3	392	3,495	1,292,982	94%	1.5	91.4	47,409
Port Everglades 4	404	3,172	1,201,621	94%	1.4	92.8	43,976
Riviera 4	292	4,563	1,190,546	89%	1.4	94.2	43,950
St. Johns River 2	130	8,143	1,044,069	99%	1.2	95.4	13,863
St. Johns River 1	130	7,501	960,265	98%	1.1	96.5	12,843
Riviera 3	280	2,921	737,405	90%	0.9	97.3	27,765
Putnam 2	250	3,248	714,581	88%	0.8	98.2	25,573
Putnam 1	250	3,282	698,179	85%	0.8	99.0	25,320
Port Everglades 2	212	1,887	356,999	89%	0.4	99.4	13,172
Martin SC 8	362	598	168,808	78%	0.2	99.6	7,179
Port Everglades 1	212	608	118,781	92%	0.1	99.7	4,558
Ft. Myers SC 3	362	298	81,010	75%	0.1	99.8	3,472
Sanford 3	144	354	45,305	89%	0.1	99.9	1,763
Ft. Myers GT 1-12	624	82	42,992	84%	0.0	99.9	3,070
Cutler 6	145	319	40,861	88%	0.0	100.0	1,871
Ft. lauderdale GT 1-24	768	33	21,101	83%	0.0	100.0	1,277
Cutler 5	72	266	17,356	91%	0.0	100.0	869
Port Everglades GT 1-12	384	13	4,222	85%	0.0	100.0	293
Total	19,222	155,012	86,494,618		100.0	100.0	2,006,321

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

JANUARY THROUGH DECEMBER, 2003

Cape Canaveral Unit No. 2

Lauderdale Unit No.4

Lauderdale Unit No.5

Manatee Unit No.2

Martin Unit No.1

Martin Unit No.2

Martin Unit No.3

Martin Unit No.4

Scherer Unit No.4

St.Lucie Unit No.1

St.Lucie Unit No.2

Turkey Point Unit No.1

Turkey Point Unit No.2

Turkey Point Unit No.3

Turkey Point Unit No.4

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE (ESTIMATED)

**FLORIDA POWER & LIGHT COMPANY
JANUARY THROUGH DECEMBER, 2003**

Generating Performance Incentive Points (GPIF)	Fuel Savings/(Loss) (\$000)	Generating Performance Incentive Factor (\$000)
+ 10	59,205	22,118
+ 9	53,285	19,907
+ 8	47,364	17,695
+ 7	41,444	15,483
+ 6	35,523	13,271
+ 5	29,603	11,059
+ 4	23,682	8,847
+ 3	17,762	6,636
+ 2	11,841	4,424
+ 1	5,921	2,212
0	0	0
- 1	(6,122)	(2,212)
- 2	(12,244)	(4,424)
- 3	(18,366)	(6,636)
- 4	(24,487)	(8,847)
- 5	(30,609)	(11,059)
- 6	(36,731)	(13,271)
- 7	(42,853)	(15,483)
- 8	(48,975)	(17,695)
- 9	(55,097)	(19,907)
- 10	(61,218)	(22,118)

GENERATING PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

ESTIMATED

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003

LINE 1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY		\$	5,209,475,079
	END OF MONTH BALANCE OF COMMON EQUITY			
LINE 2	MONTH OF JANUARY	2003	\$	5,426,177,931
LINE 3	MONTH OF FEBRUARY	2003	\$	5,414,875,585
LINE 4	MONTH OF MARCH	2003	\$	5,423,083,109
LINE 5	MONTH OF APRIL	2003	\$	5,429,607,594
LINE 6	MONTH OF MAY	2003	\$	5,448,822,072
LINE 7	MONTH OF JUNE	2003	\$	5,468,656,431
LINE 8	MONTH OF JULY	2003	\$	5,472,566,454
LINE 9	MONTH OF AUGUST	2003	\$	5,478,773,866
LINE 10	MONTH OF SEPTEMBER	2003	\$	5,474,324,194
LINE 11	MONTH OF OCTOBER	2003	\$	5,449,437,891
LINE 12	MONTH OF NOVEMBER	2003	\$	5,434,265,070
LINE 13	MONTH OF DECEMBER	2003	\$	5,428,493,403
LINE 14	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 13 DIVIDED BY 13)		\$	5,427,581,000
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)		\$	22,443,082
LINE 18	JURISDICTIONAL SALES			97,097,755,491 KWH
LINE 19	TOTAL SALES			98,523,104,127 KWH
LINE 20	JURISDICTIONAL SEPARATION FACTOR (LINE 18 DIVIDED BY LINE 19)			98.55%
LINE 21	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS		\$	22,118,394

GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003

<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>		
Cape Canaveral 2	0.50	89.5	92.5	86.5	293.7	-293.7
Lauderdale 4	0.90	91.7	94.2	89.2	532.8	-532.8
Lauderdale 5	1.01	90.3	92.8	87.8	598.8	-598.8
Manatee 2	0.43	87.7	89.7	85.7	254.9	-254.9
Martin 1	0.30	91.8	93.8	89.8	175.9	-175.9
Martin 2	0.38	83.5	86.0	81.0	223.9	-223.9
Martin 3	1.34	92.8	95.3	90.3	791.3	-791.3
Martin 4	1.02	93.8	95.8	91.8	601.2	-601.2
Turkey Point 1	0.37	85.1	87.6	82.6	220.9	-220.9
Turkey Point 2	0.34	94.9	96.9	92.9	202.5	-202.5
Turkey Point 3	9.38	85.4	88.4	82.4	5,552.6	-5,552.6
Turkey Point 4	9.41	85.4	88.4	82.4	5,568.7	-5,568.7
St. Lucie 1	12.23	93.6	96.6	90.6	7,241.6	-7,241.6
St. Lucie 2	9.65	85.4	88.4	82.4	5,713.3	-5,713.3
Scherer 4	3.83	93.6	96.1	91.1	2,268.3	-2,268.3
	51.08				30,240.6	-30,240.6

GPIF TARGET AND RANGE SUMMARY

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003

Plant / Unit	Weighting Factor (%)	ANOHR TARGET		ANOHR RANGE		Max. Fuel Savings (\$000's)	Max. Fuel Loss (\$000's)
		BTU/KWH	NOF	BTU/KWH	BTU/KWH		
Cape Canaveral 2	2.65	9,030	93.6	8,722	9,338	1,569.5	-1,569.5
Lauderdale 4	3.13	7,435	94.6	7,190	7,679	1,850.6	-1,850.6
Lauderdale 5	3.76	7,366	97.5	7,109	7,622	2,226.6	-2,226.6
Manatee 2	2.88	9,862	89.9	9,607	10,117	1,705.9	-1,705.9
Martin 1	4.51	9,546	87.9	9,124	9,969	2,671.3	-2,671.3
Martin 2	5.72	9,590	89.1	9,160	10,020	3,386.6	-3,386.6
Martin 3	1.31	6,829	89.4	6,682	6,975	777.4	-777.4
Martin 4	1.50	6,753	90.6	6,590	6,917	888.7	-888.7
Turkey Point 1	2.92	9,128	95.0	8,763	9,493	1,727.7	-1,727.7
Turkey Point 2	1.94	9,512	95.3	9,284	9,740	1,148.2	-1,148.2
Turkey Point 3	5.00	11,148	97.9	10,860	11,437	2,960.6	-3,737.1
Turkey Point 4	5.35	11,119	98.1	10,810	11,427	3,167.7	-3,752.9
St. Lucie 1	1.97	10,834	99.0	10,694	10,975	1,166.6	-1,446.4
St. Lucie 2	3.28	10,843	99.1	10,650	11,037	1,944.5	-2,316.0
Scherer 4	2.99	9,992	97.7	9,724	10,260	1,773.0	-1,773.0
	<u>48.92</u>					<u>28,964.8</u>	<u>-30,977.7</u>

**PROJECTED UNIT HEAT RATE EQUATIONS
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003**

<u>Plant/Unit</u>	<u>ANOHR</u>	<u>NOF</u>	<u>NSC</u>	<u>ANOHR Equation</u>		<u>Bounds</u>	<u>R-sqr</u>	<u>First</u>	<u>Last</u>	<u>Exclusions</u>
				<u>a</u>	<u>b</u>					
Cape Canaveral 2	9,030	93.6	398	11158	-22.73	308	0.49	07-99	06-02	Feb-00, Nov-00
Lauderdale 4	7,435	94.6	440	8796	-14.39	245	0.33	07-99	06-02	Apr-00, Dec-00, Jan-01
Lauderdale 5	7,366	97.5	442	8522	-11.86	256	0.45	07-99	06-02	Apr-00, Dec-00
Manatee 2	9,862	89.9	805	11034	-13.04	255	0.23	07-99	06-02	Feb-00, Mar-00, Nov-01
Martin 1	9,546	87.9	833	11133	-18.05	423	0.40	07-99	06-02	Jan-00, Feb-01, Feb-02
Martin 2	9,590	89.1	821	10872	-14.40	430	0.28	07-99	06-02	No exclusions
Martin 3	6,829	89.4	470	6977	-1.66	147	0.01	07-99	06-02	Feb-00, Oct-00, Dec-00, Sep-01
Martin 4	6,753	90.6	470	6918	-1.81	163	0.02	07-99	06-02	Feb-01, Feb-02, Apr-02, May-02
Turkey Point 1	9,128	95.0	398	10685	-16.39	365	0.51	07-99	06-02	No exclusions
Turkey Point 2	9,512	95.3	398	10200	-7.22	228	0.16	07-99	06-02	Mar-02
Turkey Point 3	11,148	97.9	717	14395	-33.17	289	0.36	07-99	06-02	Feb-00, Oct-01
Turkey Point 4	11,119	98.1	717	13650	-25.79	308	0.51	07-99	06-02	No exclusions
St. Lucie 1	10,834	99.0	853	13249	-24.39	140	0.68	07-99	06-02	Apr-01, Jun-01
St. Lucie 2	10,843	99.1	726	12323	-14.93	193	0.83	07-99	06-02	No exclusions
Scherer 4	9,992	97.7	648	11911	-19.65	268	0.23	07-99	06-02	Apr-01

DERIVATION OF WEIGHT FACTORS

FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003

PRODUCTION COSTING SIMULATION
FUEL COST (\$000)

Unit	Performance Indicator	At Target (1)	At Maximum Improvement (2)	Savings (3)	Factor (% Of Savings)
Cape Canaveral 2	EAF	1,304,209	1,304,503	293.7	0.50
Cape Canaveral 2	ANOHR	1,304,209	1,305,779	1,569.5	2.65
Lauderdale 4	EAF	1,304,209	1,304,742	532.8	0.90
Lauderdale 4	ANOHR	1,304,209	1,306,060	1,850.6	3.13
Lauderdale 5	EAF	1,304,209	1,304,808	598.8	1.01
Lauderdale 5	ANOHR	1,304,209	1,306,436	2,226.6	3.76
Manatee 2	EAF	1,304,209	1,304,464	254.9	0.43
Manatee 2	ANOHR	1,304,209	1,305,915	1,705.9	2.88
Martin 1	EAF	1,304,209	1,304,385	175.9	0.30
Martin 1	ANOHR	1,304,209	1,306,880	2,671.3	4.51
Martin 2	EAF	1,304,209	1,304,433	223.9	0.38
Martin 2	ANOHR	1,304,209	1,307,596	3,386.6	5.72
Martin 3	EAF	1,304,209	1,305,000	791.3	1.34
Martin 3	ANOHR	1,304,209	1,304,986	777.4	1.31
Martin 4	EAF	1,304,209	1,304,810	601.2	1.02
Martin 4	ANOHR	1,304,209	1,305,098	888.7	1.50
Turkey Point 1	EAF	1,304,209	1,304,430	220.9	0.37
Turkey Point 1	ANOHR	1,304,209	1,305,937	1,727.7	2.92
Turkey Point 2	EAF	1,304,209	1,304,412	202.5	0.34
Turkey Point 2	ANOHR	1,304,209	1,305,357	1,148.2	1.94
Turkey Point 3	EAF	1,304,209	1,309,762	5,552.6	9.38
Turkey Point 3	ANOHR	1,304,209	1,307,170	2,960.6	5.00
Turkey Point 4	EAF	1,304,209	1,309,778	5,568.7	9.41
Turkey Point 4	ANOHR	1,304,209	1,307,377	3,167.7	5.35
St. Lucie 1	EAF	1,304,209	1,311,451	7,241.6	12.23
St. Lucie 1	ANOHR	1,304,209	1,305,376	1,166.6	1.97
St. Lucie 2	EAF	1,304,209	1,309,922	5,713.3	9.65
St. Lucie 2	ANOHR	1,304,209	1,306,153	1,944.5	3.28
Scherer 4	EAF	1,304,209	1,306,477	2,268.3	3.83
Scherer 4	ANOHR	1,304,209	1,305,982	1,773.0	2.99
TOTAL				59,205.4	100.00

(1) FUEL ADJUSTMENT MID BAND CASE - ALL UNITS PERFORMANCE AT TARGET

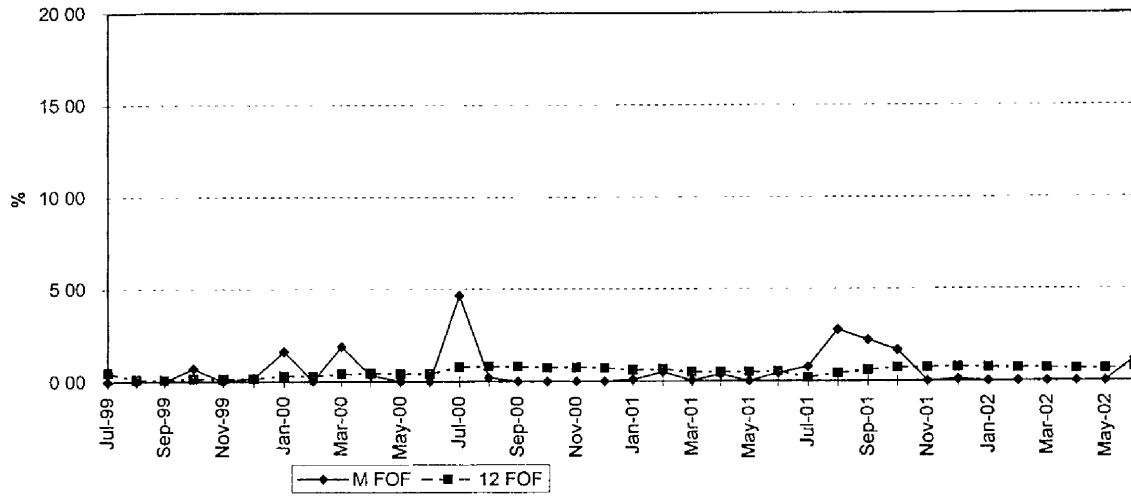
(2) ALL OTHER UNITS PERFORMANCE AT TARGET

(3) EXPRESSED IN REPLACEMENT ENERGY COSTS

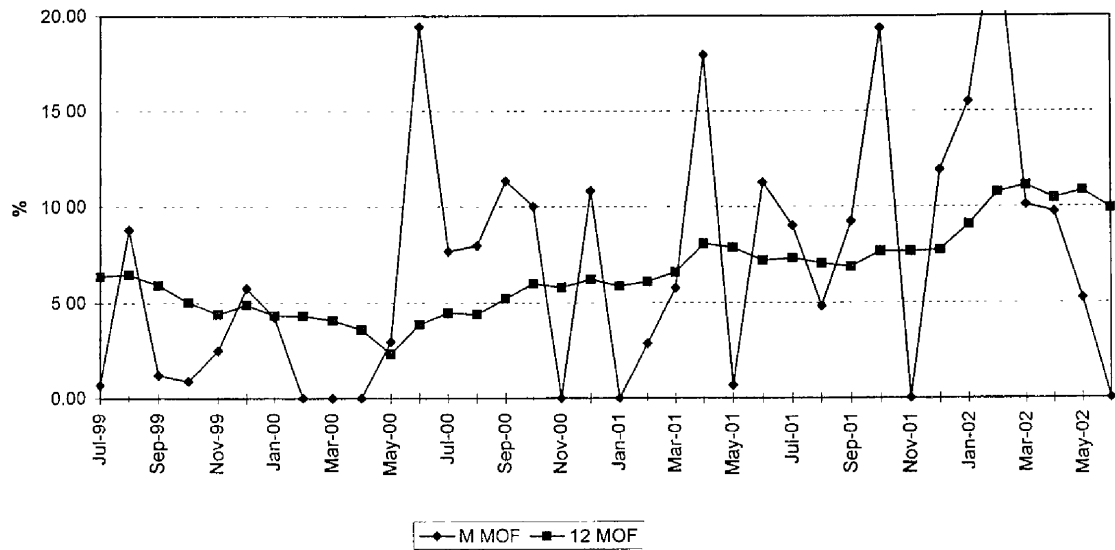
**ESTIMATED UNIT PERFORMANCE DATA
FLORIDA POWER & LIGHT COMPANY
PERIOD OF: JANUARY THROUGH DECEMBER, 2003**

<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>
Cape Canaveral 2	89.5	0.0	10.5	8760	4612	3228	920	0	175	745	1,718,337
Lauderdale 4	91.7	2.7	5.6	8760	6283	1750	727	237	175	315	2,616,207
Lauderdale 5	90.3	2.7	7.0	8760	6906	1004	850	237	175	438	2,975,202
Manatee 2	87.7	7.7	4.6	8760	3451	4232	1077	675	175	228	2,496,421
Martin 1	91.8	3.8	4.4	8760	2579	5463	718	333	175	210	1,888,611
Martin 2	83.5	9.6	6.9	8760	3224	4091	1445	841	175	429	2,357,272
Martin 3	92.8	2.2	5.0	8760	6257	1872	631	193	175	263	2,629,265
Martin 4	93.8	2.2	4.0	8760	5675	2542	543	193	175	175	2,415,473
Turkey Point 1	85.1	9.6	5.3	8760	4005	3450	1305	841	175	289	1,514,164
Turkey Point 2	94.9	0.0	5.1	8760	5295	3018	447	0	193	254	2,007,979
Turkey Point 3	85.4	8.2	6.4	8760	7481	0	1279	718	280	280	5,500,970
Turkey Point 4	85.4	8.2	6.4	8760	7481	0	1279	718	280	280	5,515,004
St. Lucie 1	93.6	0.0	6.4	8760	8199	0	561	0	280	280	7,215,366
St. Lucie 2	85.4	8.2	6.4	8760	7481	0	1279	718	280	280	5,639,057
Scherer 4	93.6	0.0	6.4	8760	7510	689	561	0	228	333	4,754,098

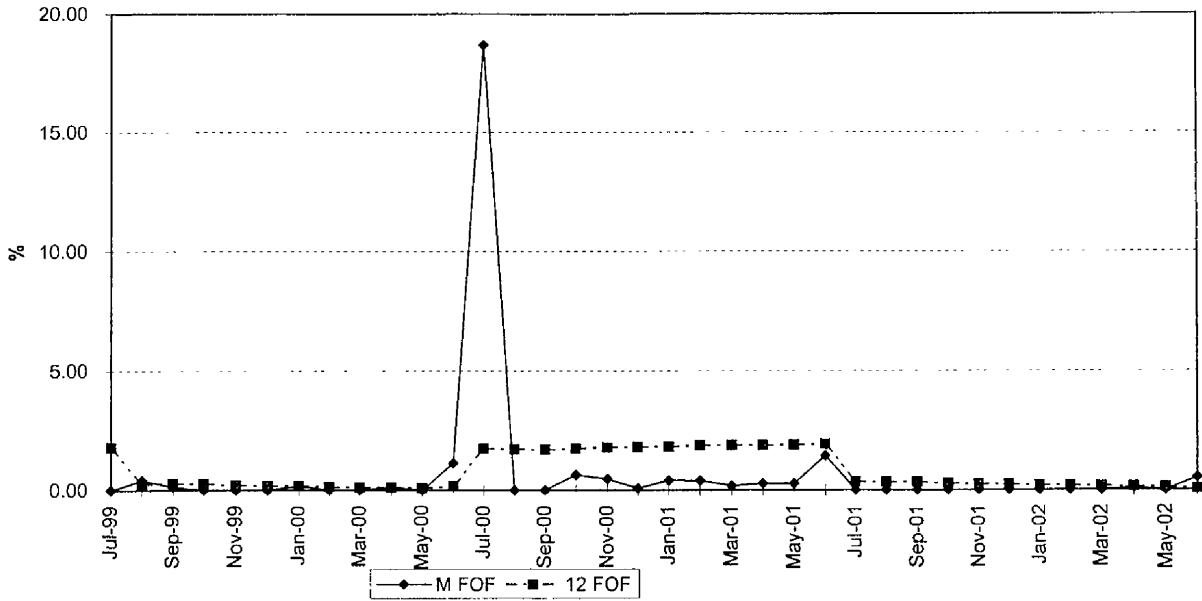
PCC 2 FORCED OUTAGE FACTOR



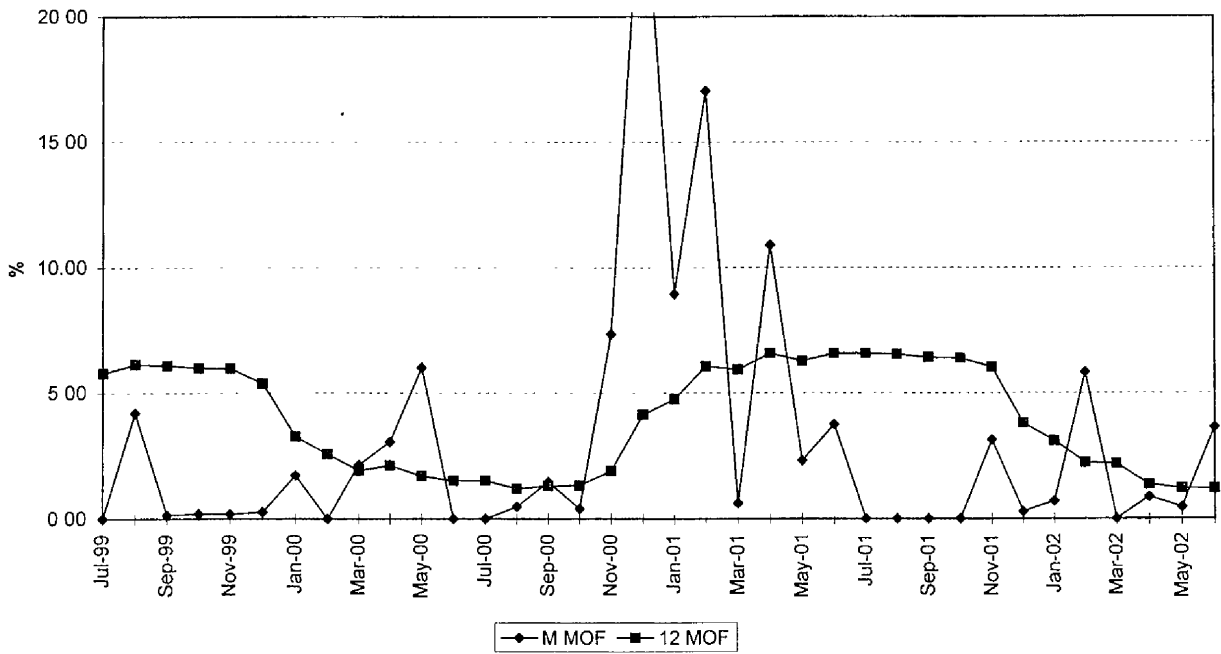
MAINTENANCE OUTAGE FACTOR



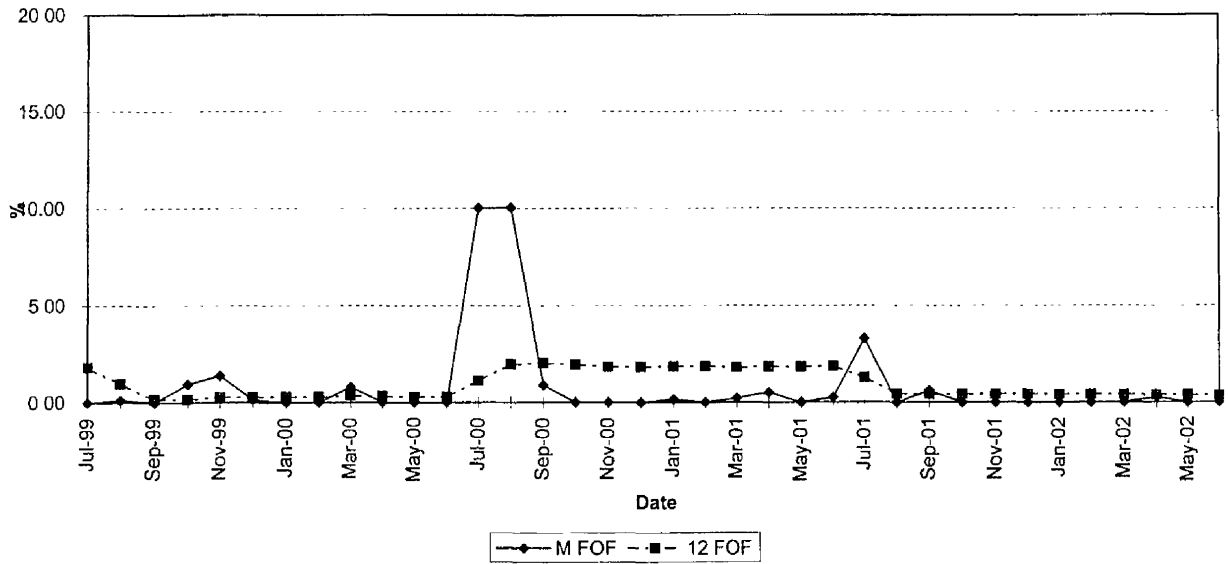
PFL 4 FORCED OUTAGE FACTOR



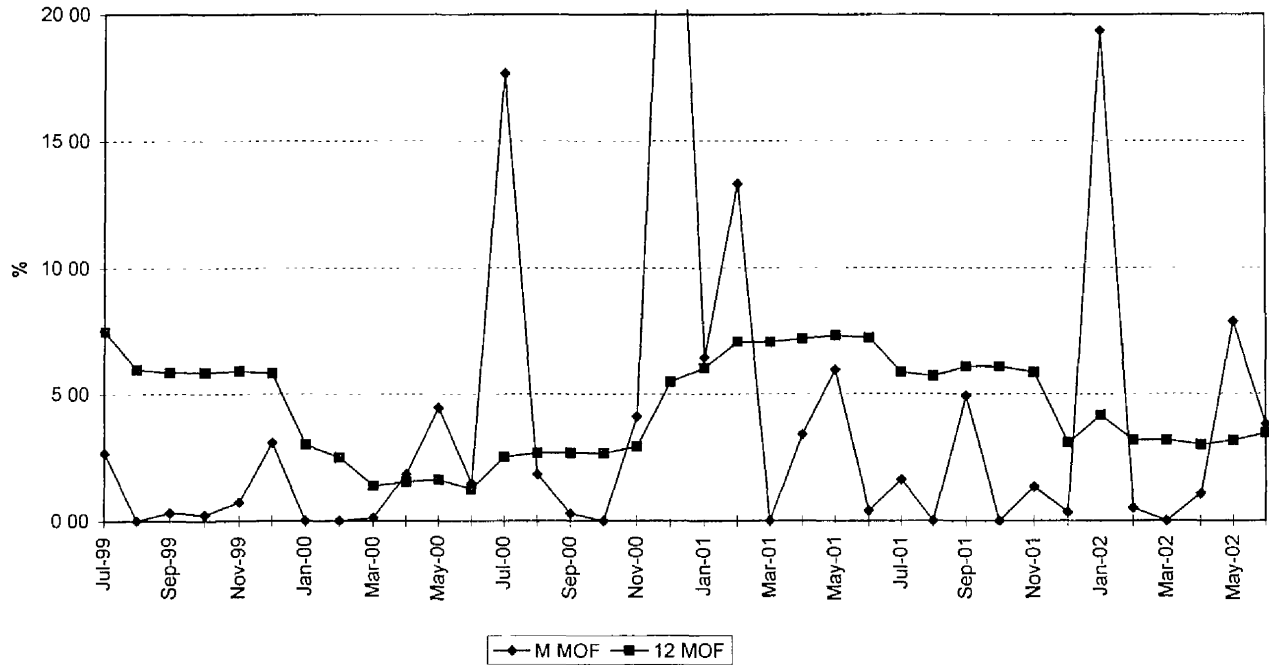
MAINTENANCE OUTAGE FACTOR



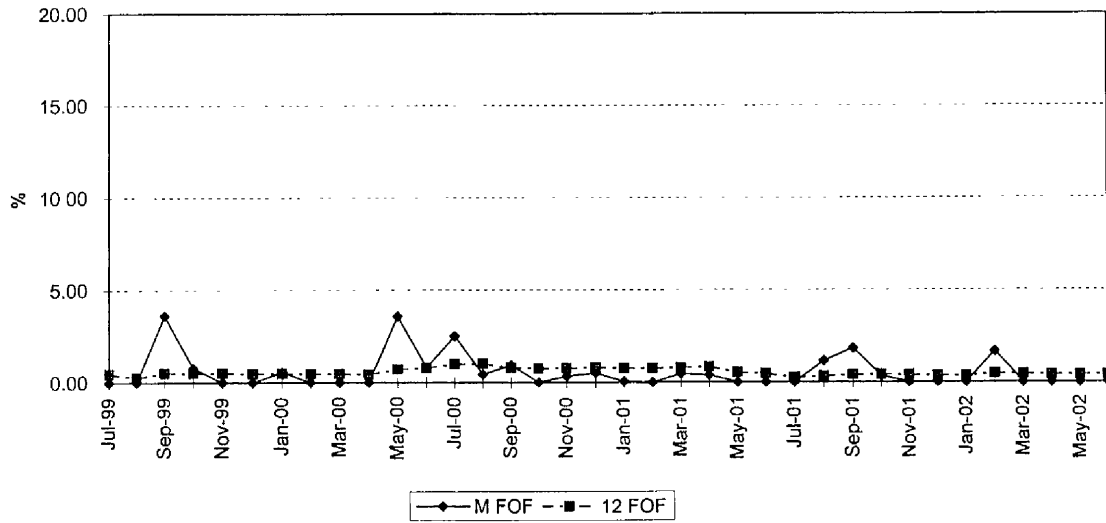
PFL 5 FORCED OUTAGE FACTOR



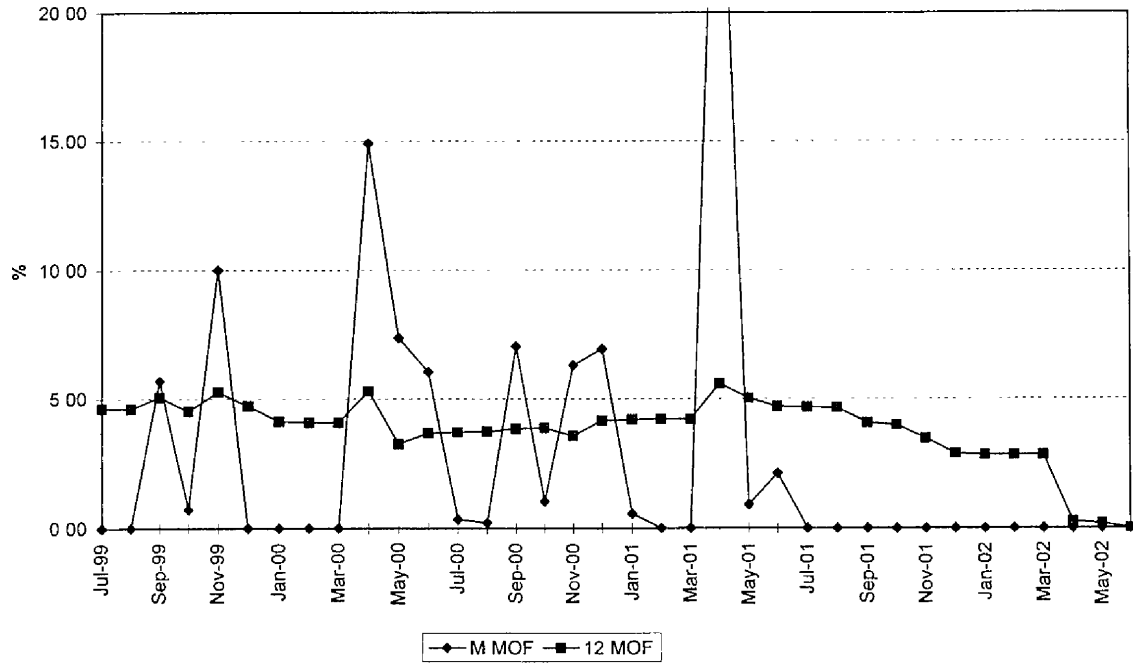
MAINTENANCE OUTAGE FACTOR



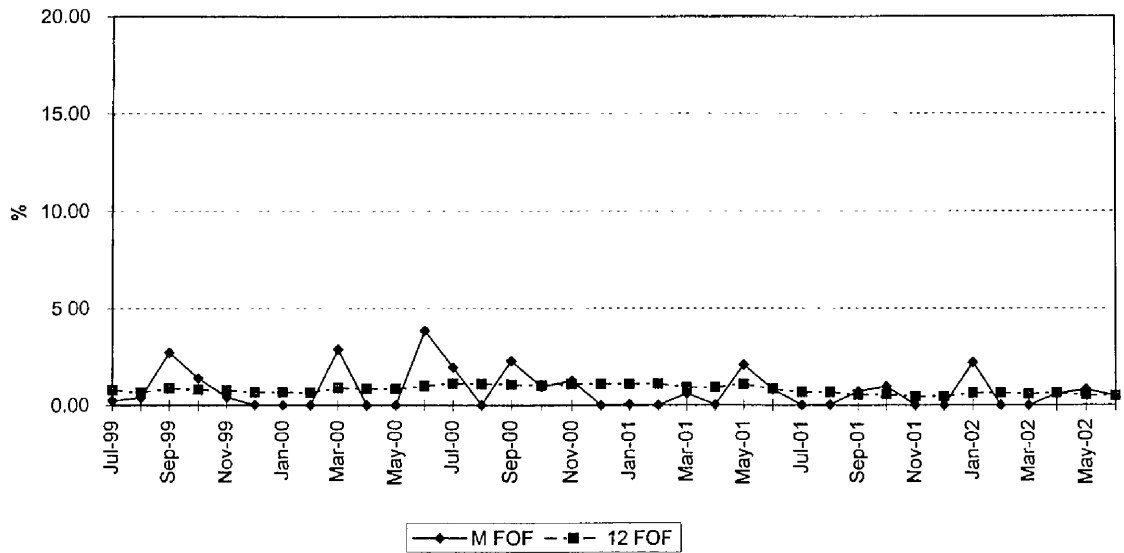
PMT 2 FORCED OUTAGE FACTOR



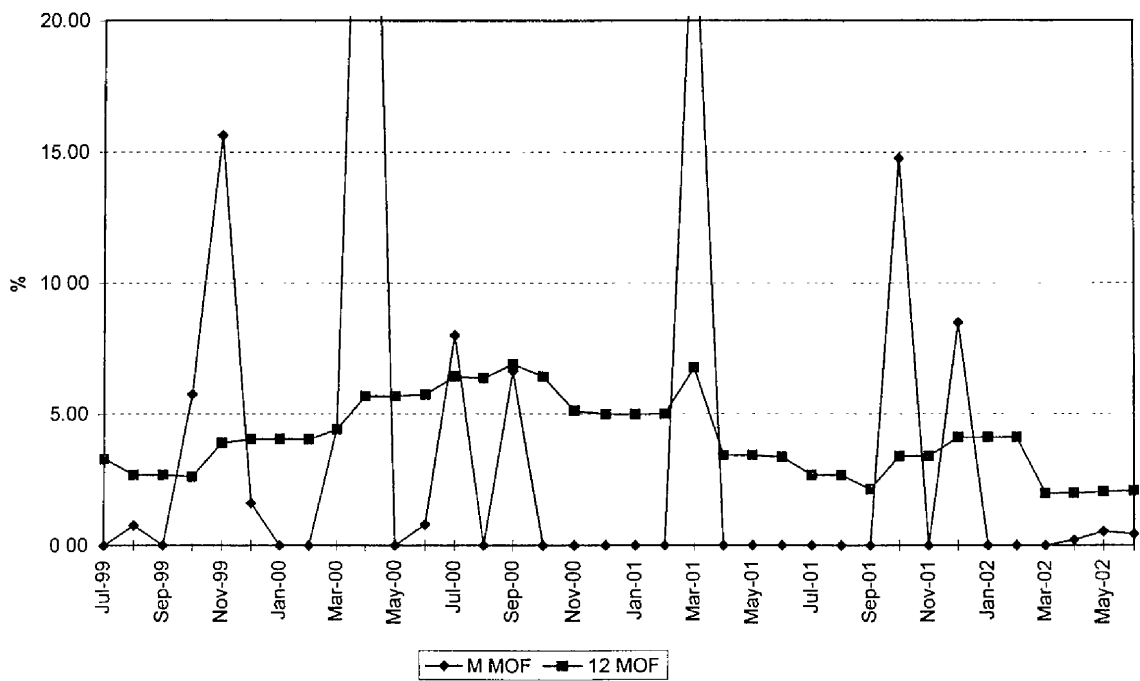
MAINTENANCE OUTAGE FACTOR



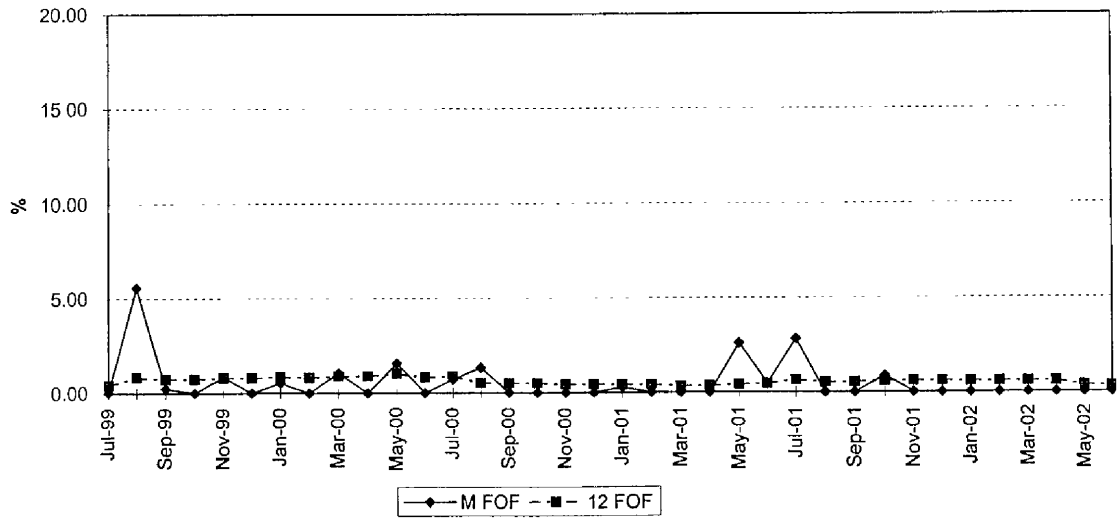
PMR 1 FORCED OUTAGE FACTOR



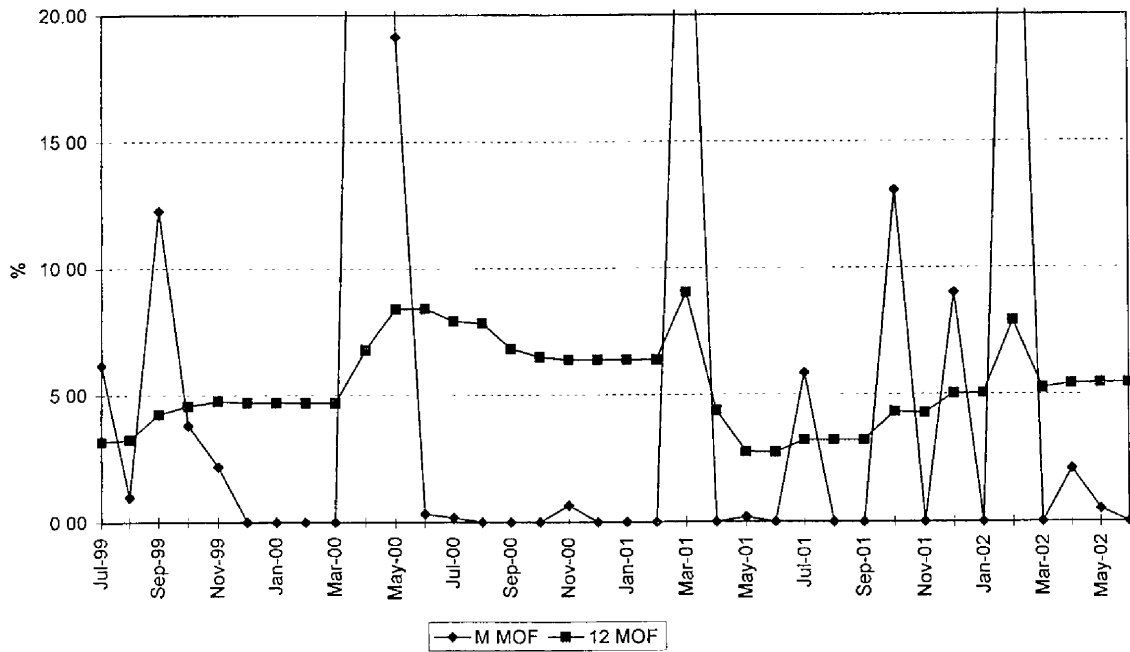
MAINTENANCE OUTAGE FACTOR



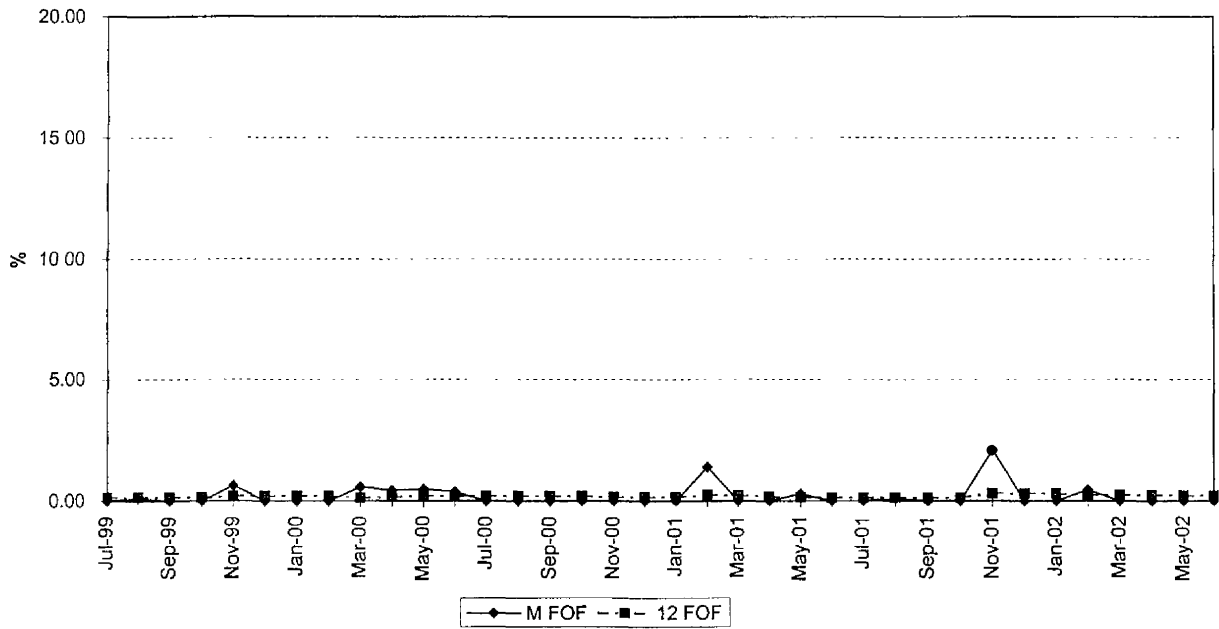
PMR 2 FORCED OUTAGE FACTOR



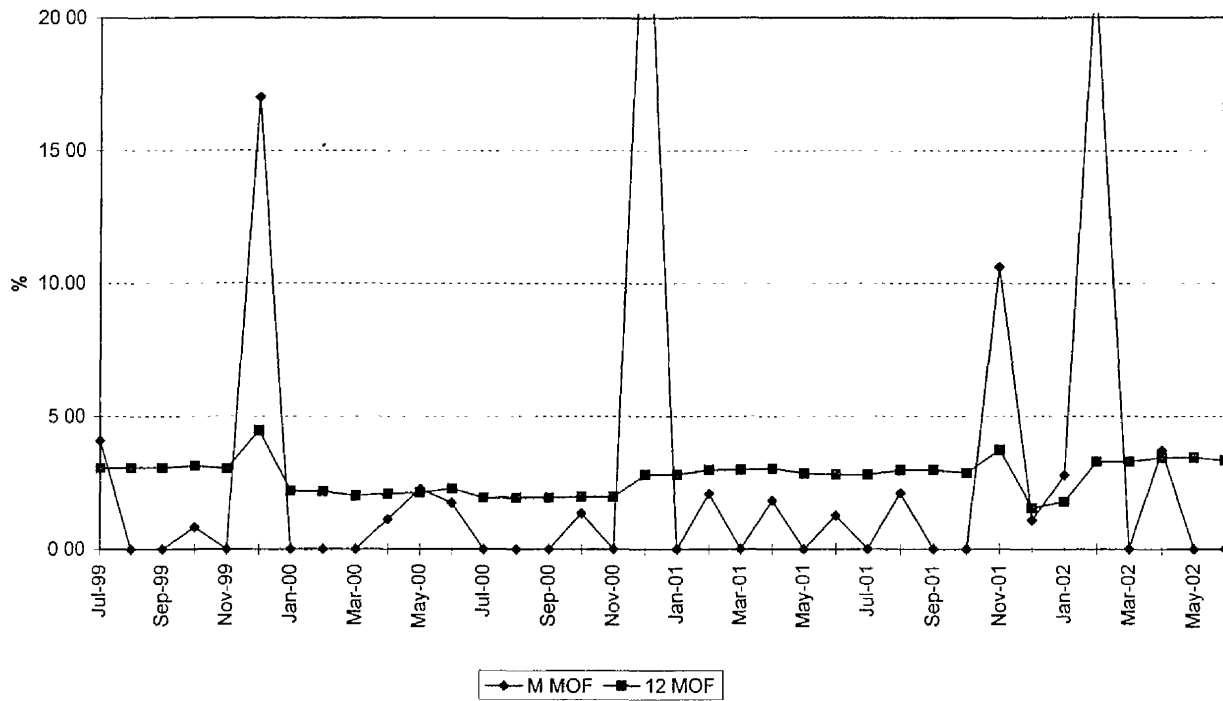
MAINTENANCE OUTAGE FACTOR



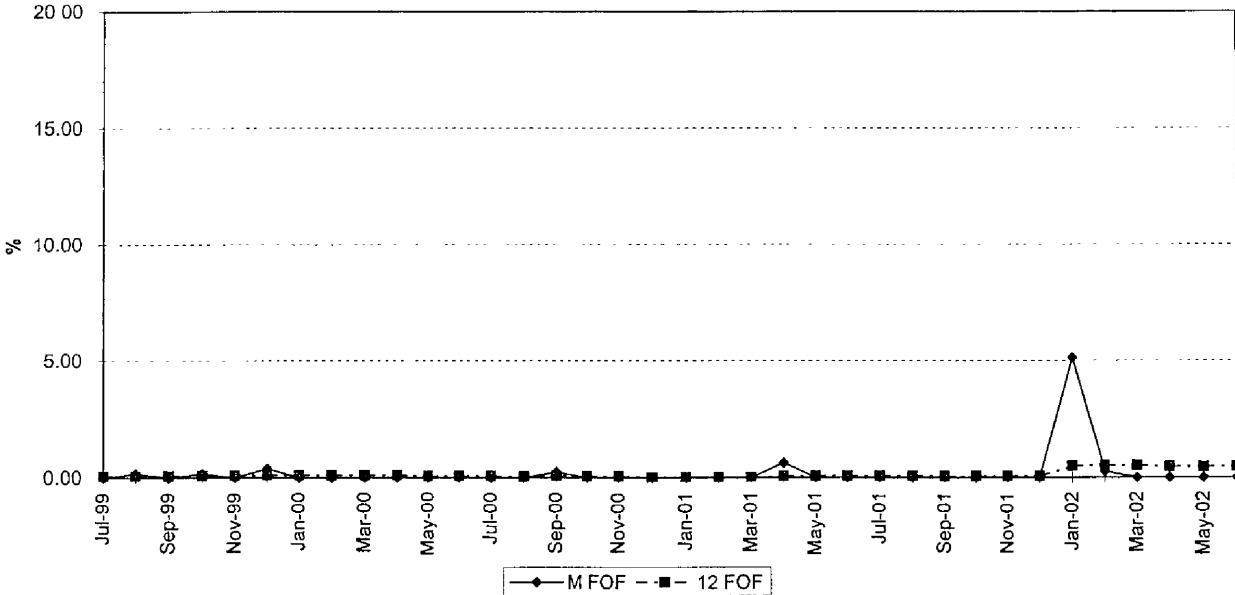
PMG 3 FORCED OUTAGE FACTOR



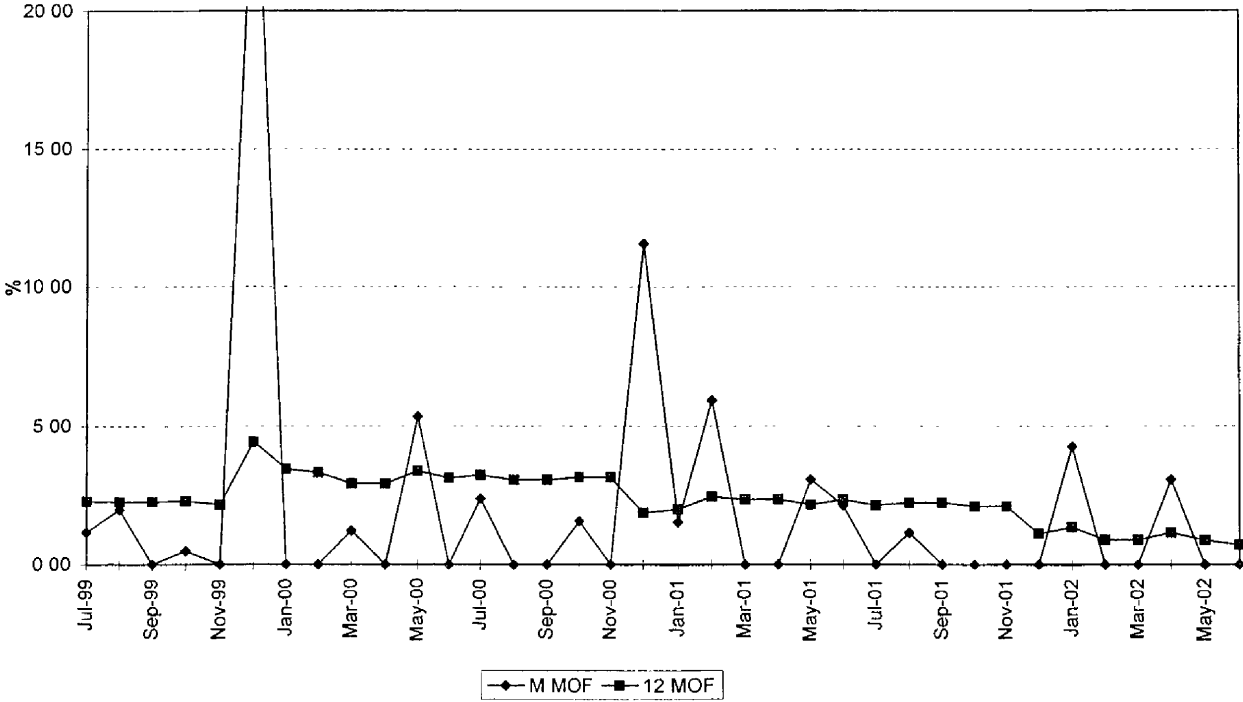
MAINTENANCE OUTAGE FACTOR



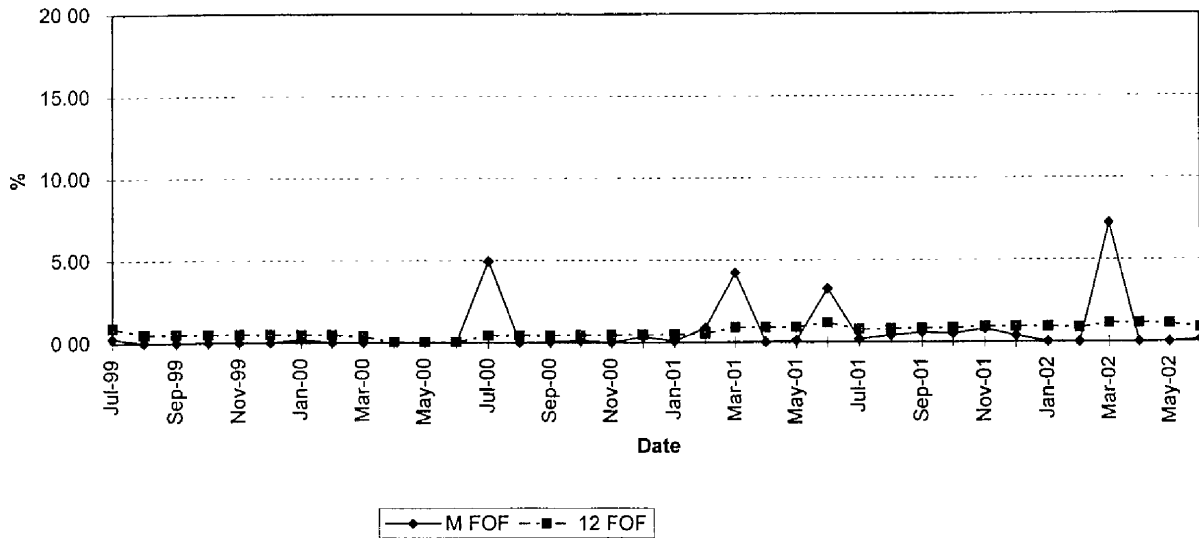
PMG 4 FORCED OUTAGE FACTOR



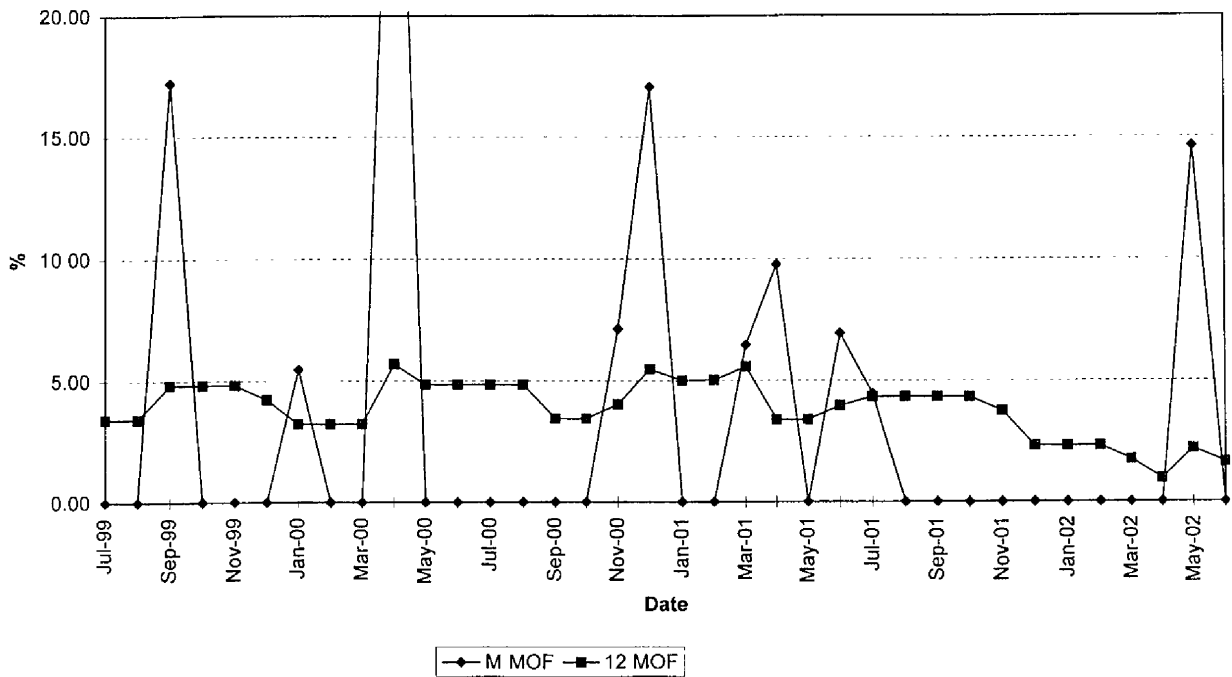
MAINTENANCE OUTAGE FACTOR



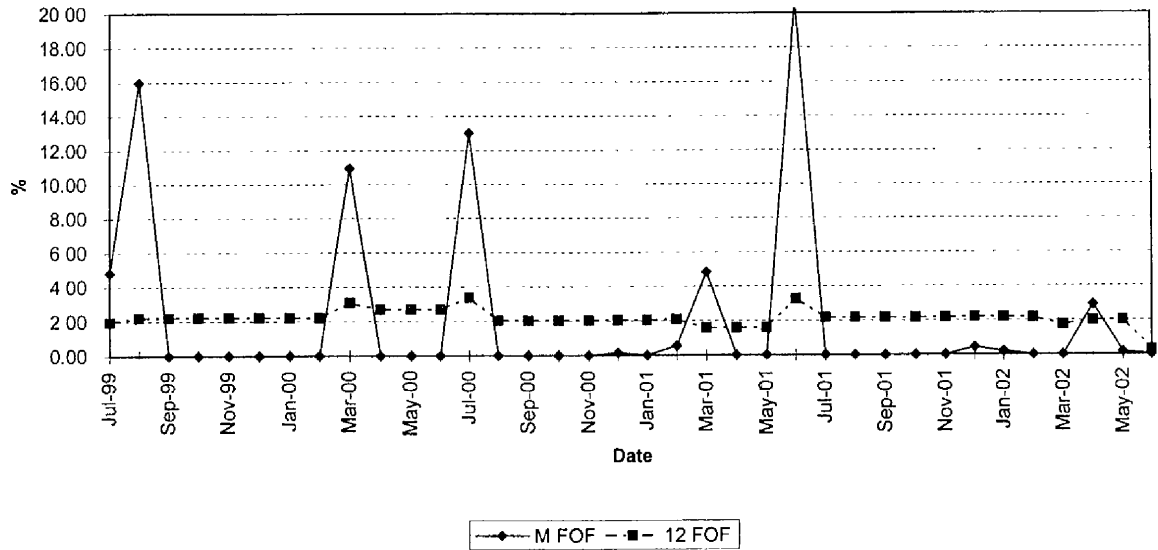
PTP 1 FORCED OUTAGE FACTOR



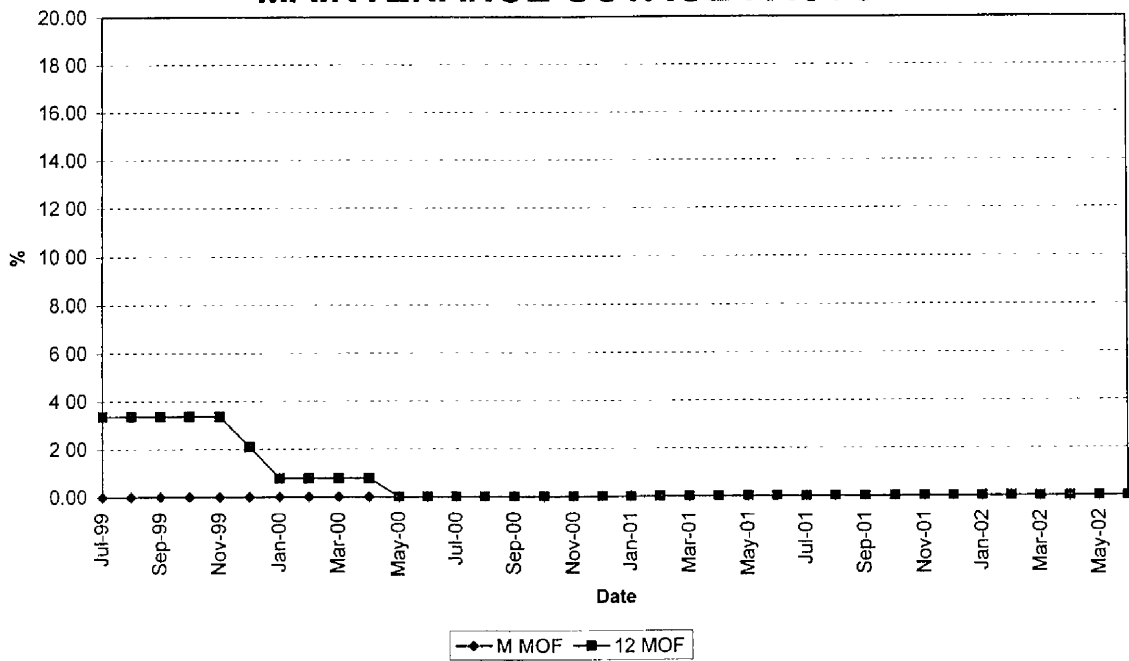
MAINTENANCE OUTAGE FACTOR



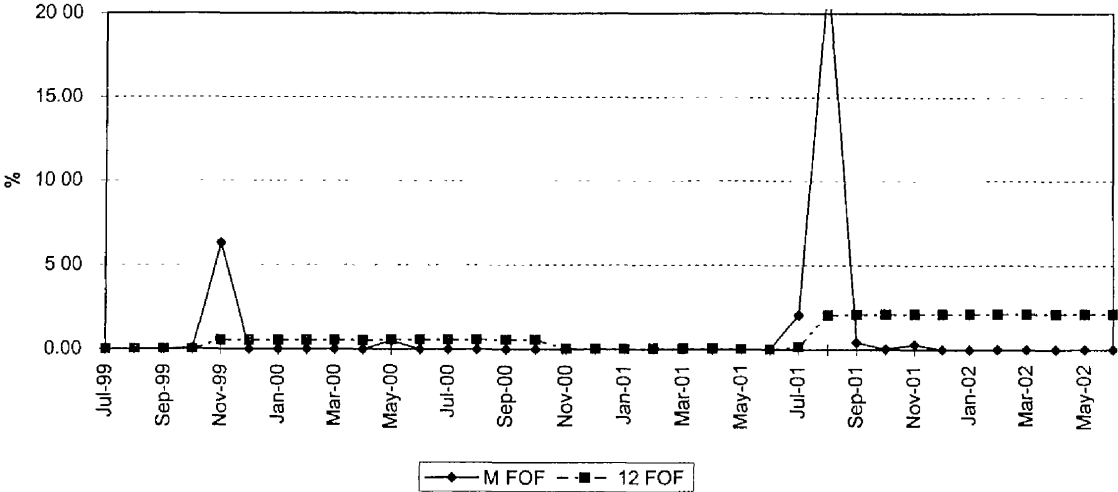
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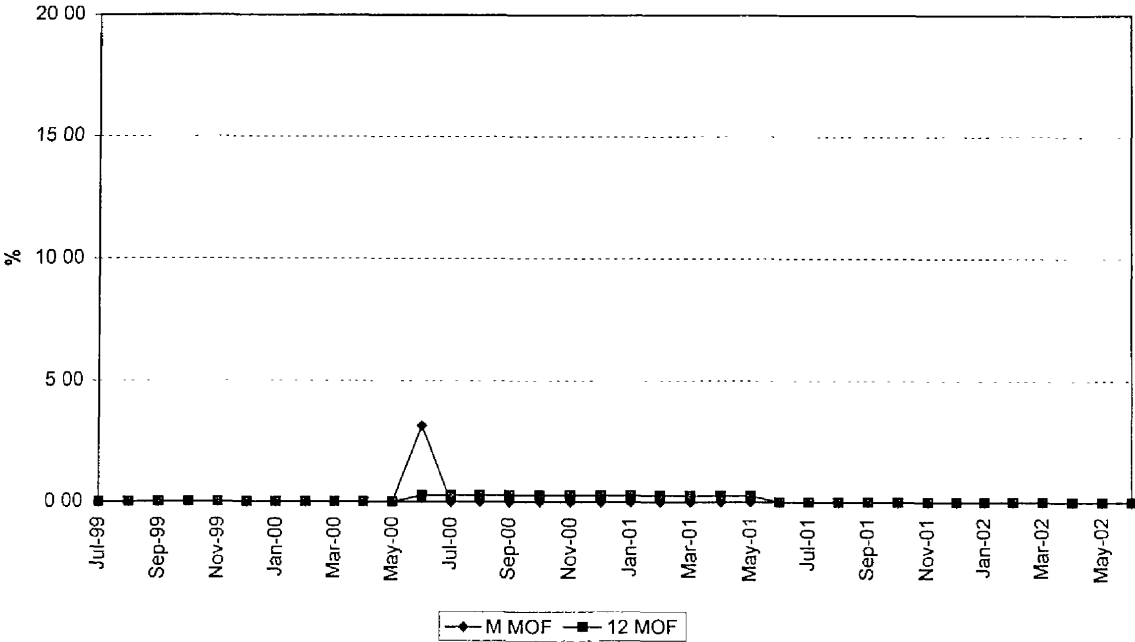
MAINTENANCE OUTAGE FACTOR



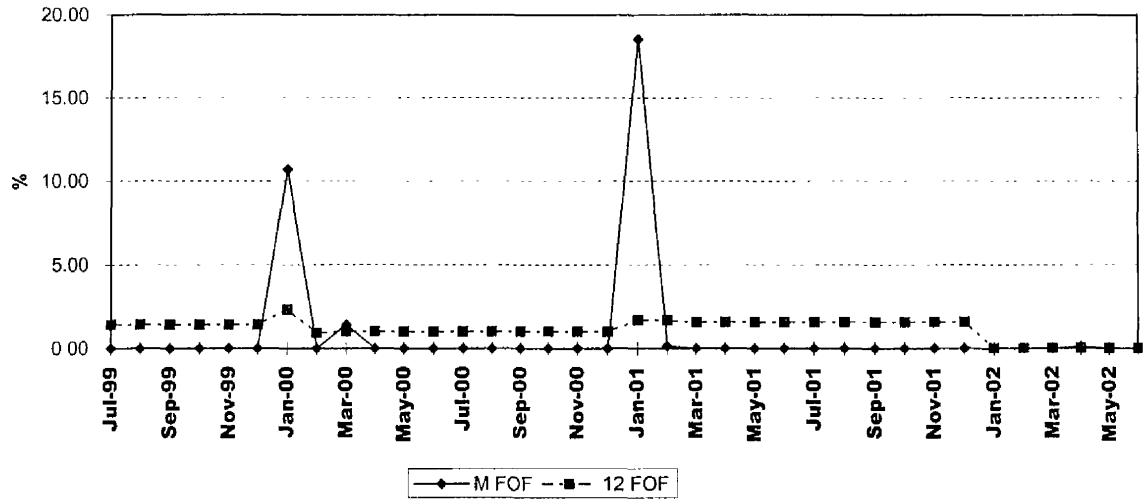
PTN 3 FORCED OUTAGE FACTOR



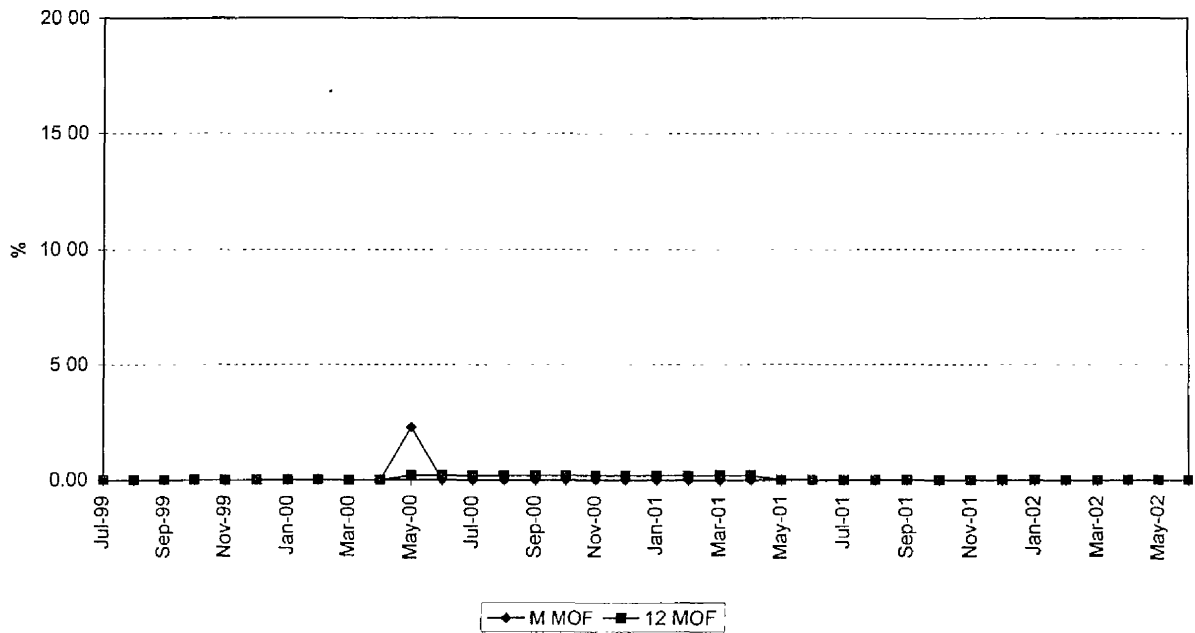
MAINTENANCE OUTAGE FACTOR



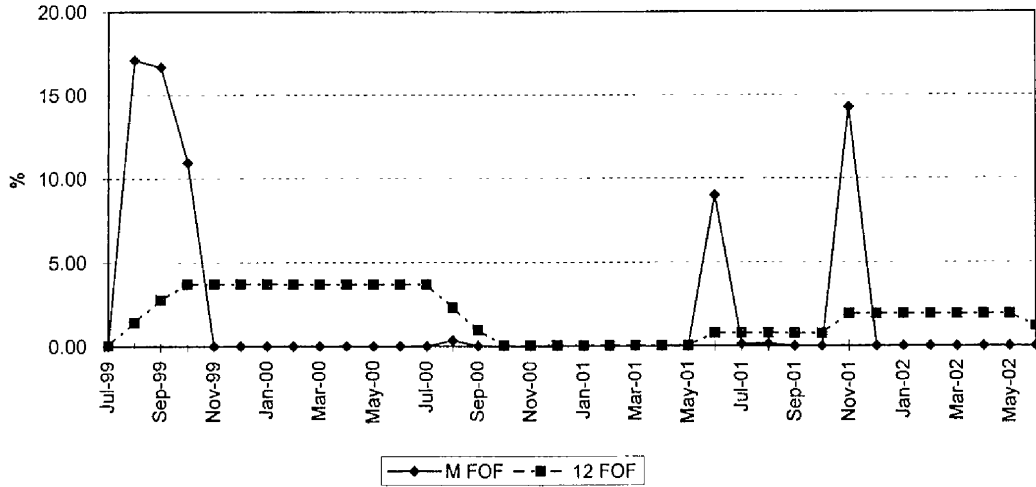
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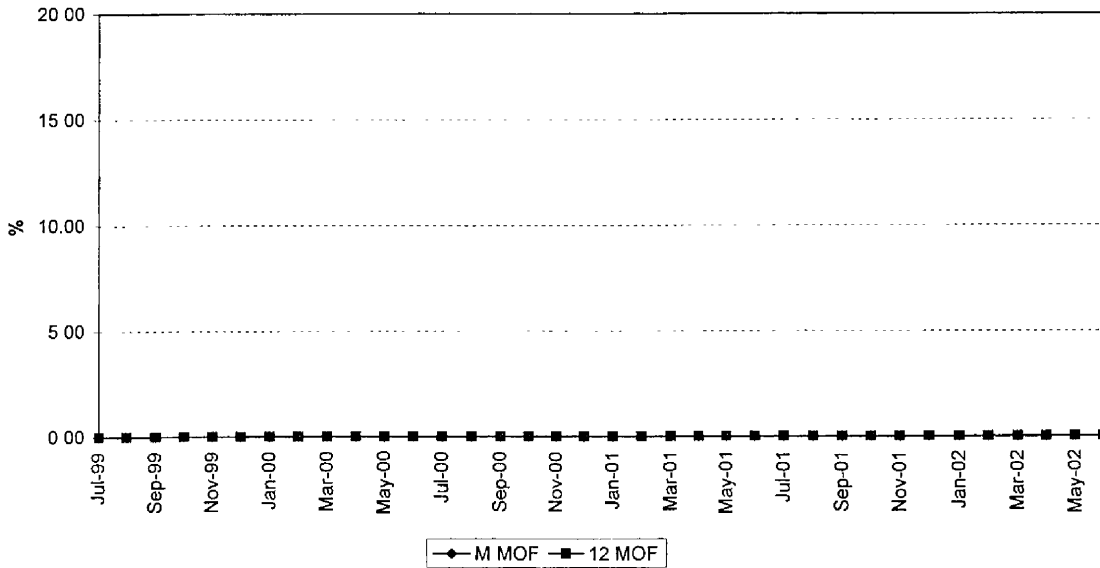
MAINTENANCE OUTAGE FACTOR



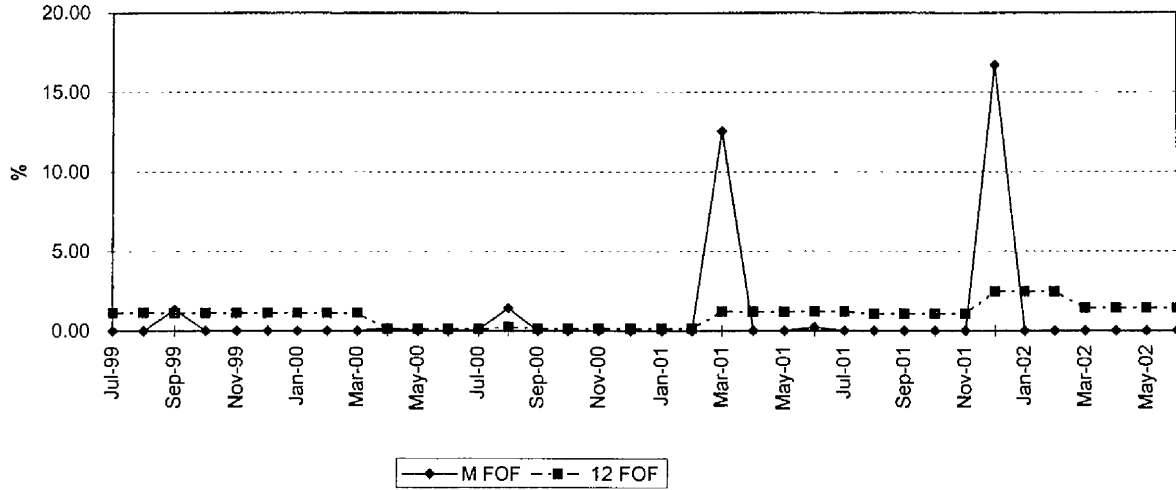
PSL 1 FORCED OUTAGE FACTOR



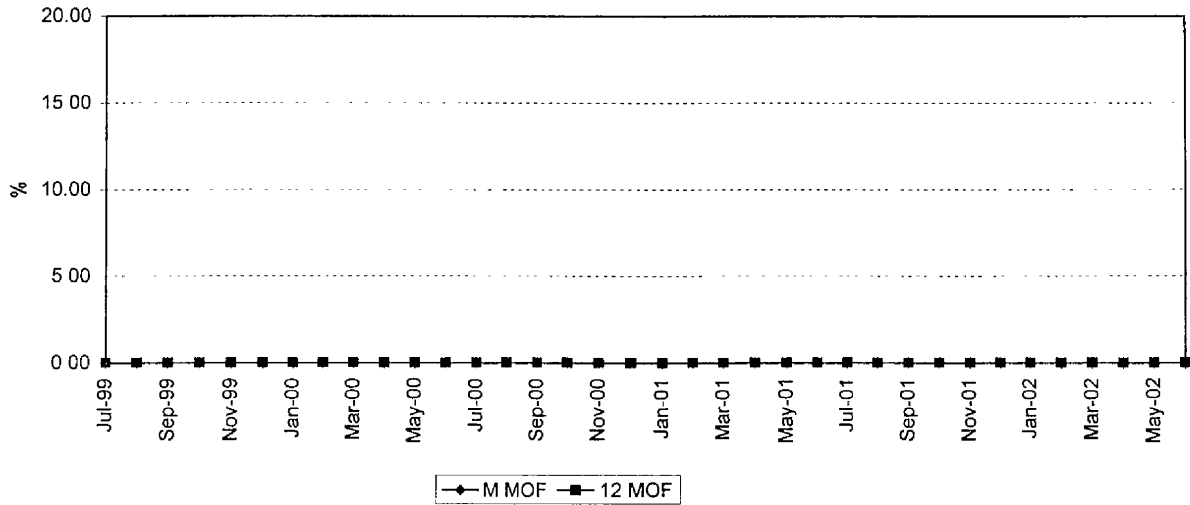
MAINTENANCE OUTAGE FACTOR



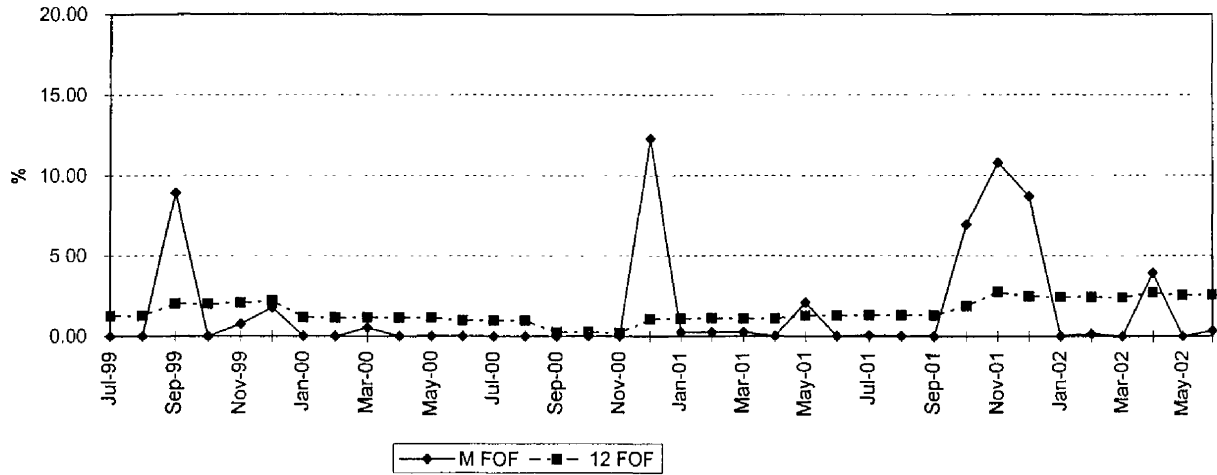
PSL 2 FORCED OUTAGE FACTOR



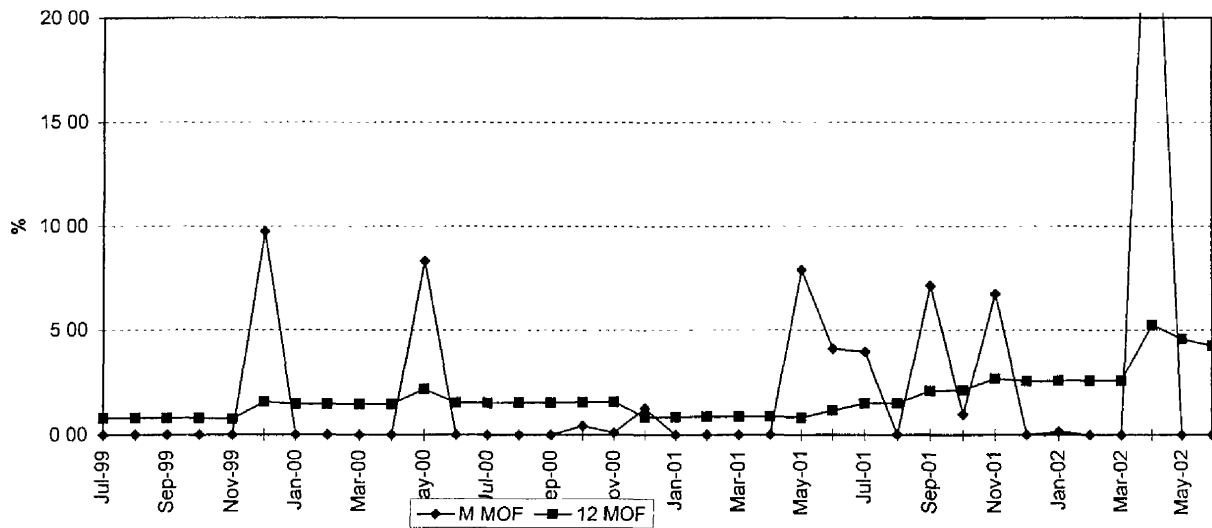
MAINTENANCE OUTAGE FACTOR



PSG 4 FORCED OUTAGE FACTOR



MAINTENANCE OUTAGE FACTOR



PLANNED OUTAGE SCHEDULE (ESTIMATED)

FLORIDA POWER & LIGHT COMPANY

PERIOD OF: JANUARY THROUGH DECEMBER, 2003

<u>PLANT/UNIT</u>	<u>PLAN OUTAGE*</u>	<u>REASON FOR OUTAGE</u>	<u>LR MW**</u>
Cape Canaveral 2	NONE		
Lauderdale 4	04/05/03 - 04/14/03	A and B CT hot path	422
Lauderdale 5	10/11/03 - 10/20/03	A and B CT hot path	442
Manatee 2	04/26/03 - 05/23/03	LP Turbine overhaul	798
Martin 1	10/18/03 - 10/31/03	Boiler Overhaul	814
Martin 2	11/01/03 - 12/05/03	IP Turbine overhaul	821
Martin 3	04/12/03 - 04/17/03	A CT combustor inspection - 50% curt.	235
Martin 3	10/04/03 - 10/13/03	B CT hot path - 50% curt.	224
Martin 4	10/18/03 - 10/27/03	A CT hot path - 50% curt.	224
Martin 4	11/08/03 - 11/13/03	B CT combustor inspection - 50% curt.	235
Turkey Point 1	03/08/03 - 04/11/03	HP/IP/GENEX/BOILER overhaul	398
Turkey Point 2	NONE		
Turkey Point 3	03/03/03 - 04/02/03	Refueling Overhaul	717
Turkey Point 4	10/06/03 - 11/05/03	Refueling Overhaul	693
St. Lucie 1	NONE	Refueling Overhaul	
St. Lucie 2	04/21/03 - 05/21/03	Refueling Overhaul	714
Scherer 4	NONE		

*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