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**ORIGINAL**  
**FILE COPY**

Matthew M. Childs, P.A.

June 23, 1997

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

RE: **DOCKET NO. 970001-EI**

Dear Ms. Bayó:

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

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

Very truly yours,



Matthew M. Childs, P.A.

- ACK Yardwei
- AFA \_\_\_\_\_
- APP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMU \_\_\_\_\_
- CTR \_\_\_\_\_
- EAG Bass
- LEG I
- LIN 3+orig
- OPC \_\_\_\_\_
- RCH \_\_\_\_\_
- SEC I
- WAS \_\_\_\_\_
- OTH \_\_\_\_\_

MMC:ml

cc: All Parties of Record

*Petition*

DOCUMENT NUMBER-DATE

06269 JUN 23 5

*Silva*

DOCUMENT NUMBER-DATE

06270 JUN 23 5

Miami 305 577 7000  
West Palm Beach 561 650 7200  
Tallahassee 904 222 2300  
Tallahassee 904 222 8410 Fax  
FPSC-RECORDS/REPORTING

Miami 305 292 7272  
Tallahassee 904 222 2300  
Tallahassee 904 222 8410 Fax  
FPSC-RECORDS/REPORTING

Caracas 582 951 4105  
Caracas 582 951 4106 Fax

**ORIGINAL  
FILE COPY**

**BEFORE THE FLORIDA  
PUBLIC SERVICE COMMISSION**

**DOCKET NO. 970001-EI  
FLORIDA POWER & LIGHT COMPANY**

**JUNE 23, 1997**

**GENERATING PERFORMANCE  
INCENTIVE FACTOR**

**OCTOBER 1997 THROUGH SEPTEMBER 1998**

**TESTIMONY & EXHIBITS OF:**

**R. SILVA**

DOCUMENT NUMBER DATE

06270 JUN 23 5

FPSC-RECORDS/REPORTING

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

**FLORIDA POWER & LIGHT COMPANY**

**DOCKET NO. 970001-EI**

**JUNE 23, 1997**

**BEFORE THE PUBLIC SERVICE COMMISSION**

**FLORIDA POWER & LIGHT COMPANY**

**TESTIMONY OF R. SILVA**

**DOCKET NO. 970001-EI**

**JUNE 23, 1997**

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

2       **A.    My name is Rene Silva and my business address is 9250 W. Flagler Street,**  
3           **Miami, Florida 33174.**

4  
5       **Q.    Mr. Silva, would you please state your present position with Florida**  
6           **Power and Light Company (FPL).**

7       **A.    I am the Manager of Forecasting and Regulatory Response for the Power**  
8           **Generation Business Unit of FPL.**

9  
10       **Q.    Mr. Silva, have you previously had testimony presented in this docket?**

11       **A.    Yes, I have.**

12  
13       **Q.    Mr. Silva, what is the purpose of your testimony?**

14       **A.    The purpose of my testimony is to present the target unit average net**  
15           **operating heat rates and target unit equivalent availabilities for the period**  
16           **October, 1997 through September, 1998, for use in determining the**  
17           **Generating Performance Incentive Factor (GPIF). The improvement and**  
18           **degradation range for each performance indicator is also presented in this**  
19           **testimony.**

1 Q. Mr. Silva could you please summarize what the FPL system targets are  
2 for Equivalent Availability Factor (EAF) and Average Net Operating  
3 Heat Rate (ANOHR).

4 A. FPL projects a weighted system equivalent planned outage factor of 6.0%  
5 and a weighted system equivalent unplanned outage factor of 6.1% which  
6 yield a weighted system equivalent availability of 87.9%. This target  
7 includes the refueling of two nuclear units during the October, 1997  
8 through September, 1998 period. FPL also projects a weighted system  
9 average net operating heat rate of 9277 BTU/KWH. As discussed later in  
10 this testimony, these targets represent fair and reasonable values when  
11 compared to historical data . FPL therefore requests that the targets for  
12 these performance indicators and the respective improvement/degradation  
13 ranges in my testimony be approved by the Commission .  
14

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

17 A. Yes, I have. It consists of one document. The first page of this document is  
18 an index to the contents of the document. All other pages are numbered  
19 according to the latest revisions of the GPIF Manual as approved by the  
20 Commission.  
21

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

24 A. Yes, I have. Document No. 1, pages 6 and 7 contain the information  
25 summarizing the targets and ranges for unit equivalent availability and

1           A.    Yes. To fully appreciate why these targets are reasonable, and in some  
2                   cases ambitious, it would be necessary to discuss the development of both  
3                   the heat rate and availability targets for each of the sixteen (16) units in the  
4                   GPIF. However, a less rigorous approach of comparing weighted system  
5                   values of these targets to actual values for prior periods will provide a  
6                   valuable insight into the appropriateness of the targets.

7           Q.    Does this conclude your testimony?

8           A.    Yes, it does.

1 average net operating heat rates for the sixteen (16) generating units which  
2 FPL proposes to have considered. These sheets were prepared in  
3 accordance with the latest revisions of the GPIF Manual, except that, for  
4 consistency with previous GPIF filings, it is necessary to divide the format  
5 of Sheet 3.505 of the GPIF Manual into two sheets. All of these targets  
6 have been derived utilizing methodologies as adopted in Section 4,  
7 Subsection 2.3 of the GPIF Manual.  
8

9 **Q. Please summarize FPL's methodology for determining equivalent**  
10 **availability targets?**

11 **A.** The GPIF Manual requires that the equivalent availability target for each  
12 unit be determined as the difference between 100% and the sum of the  
13 Planned Outage Factor (POF) and the Unplanned Outage Factor (UOF).  
14 The POF for each unit is determined by the length of the planned outage  
15 during the projected period. The GPIF Manual also requires that the sum of  
16 the most recent twelve month ending average forced outage factor (FOF)  
17 and maintenance outage factor (MOF) be used as the starting value for the  
18 determination of the target unplanned outage factor (UOF). The UOF is  
19 then adjusted to reflect recent monthly performance and known  
20 modifications or changes in equipment.  
21

22 For most units in the GPIF this adjustment is usually done for units which  
23 had or are forecast to have planned outages. When a unit is in a planned  
24 outage state the unit cannot incur an unplanned outage. For this reason,  
25 when historical data, which contains a planned outage, is used for

1 developing targets, the UOF will be lower than if the unit had operated the  
2 entire period. To account for this, the historical UOF is increased in  
3 proportion to the planned outage duration for that period. Similarly, if a  
4 unit is forecast to have a planned outage in the projection period the  
5 adjusted historical UOF will be higher than it should be because it will not be  
6 exposed to unplanned outages for the entire period. In this case the UOF is  
7 reduced in proportion to the forecast planned outage duration.  
8

9 **Q. Mr. Silva, were the EAF targets for the GPIF units determined using**  
10 **the methodology as described in the GPIF Operating Manual?**

11 **A. Yes.**  
12

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

15 **A. The sixteen (16) units which FPL proposes to use represent the top 81.0%**  
16 **of the forecast system net generation for the October, 1997 through**  
17 **September, 1998 period. These units were selected in accordance with the**  
18 **GPIF Manual Section 3.1 using the estimated net generation for each unit**  
19 **taken from the production costing simulation program, POWRSYM, which**  
20 **forms the basis for the projected levelized fuel cost recovery factor for the**  
21 **period.**  
22

23 **Q. Mr. Silva, from the heat rate targets and equivalent availability range**  
24 **projections, do FPL's generation performance targets represent a**  
25 **reasonable level of efficiency?**



**DOCUMENT NO. 1**

**WITNESS: R. SILVA**

**DOCKET NO. 970001-EI**

**GENERATING PERFORMANCE INCENTIVE FACTOR**

**OCTOBER, 1997 THROUGH SEPTEMBER, 1998**

**RS-2**

**DOCKET NO. 970001-EI**

**FPL WITNESS: R. SILVA**

**EXHIBIT NO. \_\_\_\_\_**

**PAGES 1-27**

**JUNE 23, 1997**

**DOCUMENT NUMBER INDEX****FLORIDA POWER & LIGHT COMPANY****PERIOD OF: OCTOBER, 1997 THROUGH SEPTEMBER, 1998**

<b>DOCUMENT</b>	<b>INDEX OF MANUAL PAGES</b>	<b>TITLE</b>
1	7.201.001	Index of Manual Pages
	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 Rate:
	7.201.009	Derivation of Waiting Factors
	7.201.010	Estimated Unit Performance Data
	7.201.011 through 7.201.026	Unit MOF and FOF Versus Time Graphs
	7.201.027	Planned Outages Schedules (Estimated)

**Table 2.0**  
**POWRSYM Projected System Generation**  
**Period Of: October 1997 Through September 1998**

Name	Unit	Capacity (MW)	Service Hours	Net Output MWH	NOF %	% of Total Output	Cumulative	Production
							% of Total Output	Cost (\$000)
St. Lucie	2	714	8323	5983852	100.7	8.56	8.56	21727
Turkey Point	3	693	8263	5809885	101.5	8.31	16.87	18692
St Lucie	1	839	6613	5574918	100.5	7.97	24.84	22525
Turkey Point	4	693	7765	5466067	101.6	7.82	32.66	19648
Scherer	4	605	8208	4855856	97.8	6.95	39.61	86442
Martin	4	430	8684	3832777	102.9	5.48	45.09	53302
Martin	3	430	8634	3818813	102.9	5.46	50.55	53117
R. Lauderdale	5	430	8311	3639925	101.9	5.21	55.76	57191
R. lauderdale	4	430	7797	3413705	101.8	4.88	60.64	53754
R. Myers	2	412	8438	3126661	89.9	4.47	65.12	67844
Cape Canaveral	2	397	7069	2325821	82.9	3.33	68.44	48002
Cape Canaveral	1	397	6882	2096246	76.7	3.00	71.44	46684
Riviera	4	290	7224	1822391	87.0	2.61	74.05	40151
Riviera	3	290	6636	1699077	88.3	2.43	76.48	37449
Port Everglades	3	403	5594	1634700	72.5	2.34	78.82	39856
Sanford	5	390	5158	1542345	76.7	2.21	81.02	33937
Manatee	1	798	3327	1533252	57.8	2.19	83.22	38451
Port Everglades	4	403	5017	1432754	70.9	2.05	85.26	33296
Manatee	2	798	2228	1297746	73.0	1.86	87.12	32334
Turkey Point	1	401	4095	1213150	73.9	1.74	88.86	26421
Putnam	2	239	4902	1143204	97.6	1.64	90.49	20431
Sanford	4	390	3749	1115542	76.3	1.60	92.09	22732
St. Johns River	1	116	8760	1017315	100.1	1.46	93.54	15264
Turkey Point	2	400	3451	992746	71.9	1.42	94.96	20692
Putnam	1	239	4145	959969	96.9	1.37	96.34	17165
St. Johns River	2	116	7824	904888	99.7	1.29	97.63	13484
R. Myers	1	141	5937	633170	75.6	0.91	98.54	14973
Martin	2	814	863	336742	47.9	0.48	99.02	7645
Sanford	3	142	1696	186011	77.2	0.27	99.28	3933
Port Everglades	1	211	1162	166988	68.1	0.24	99.52	4327
Martin	1	814	414	148530	44.1	0.21	99.73	3436
Port Everglades	2	212	992	132519	63.0	0.19	99.92	3611
R. Lauderdale GT	(1-24)	1464	43	32242	51.2	0.05	99.97	988
Cutler	6	144	129	10580	57.0	0.02	99.99	246
Port Everglades GT	(1-12)	360	16	6073	105.4	0.01	99.99	444
Cutler	5	71	74	2368	45.1	0.00	100.00	62
R. Myers GT	(1-12)	564	3	1724	101.9	0.00	100.00	113
<b>Totals</b>				<u>69910352</u>		<u>100.00</u>	<u>100.00</u>	<u>980367</u>

TABLE 3.0

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

**PERIOD OF: OCTOBER, 1997 THROUGH SEPTEMBER, 1998**

Cape Canaveral Unit No. 1  
Cape Canaveral Unit No. 2

Ft. Lauderdale Unit No. 4  
Ft. Lauderdale Unit No. 5

Ft. Myers Unit No. 2

Martin Unit No. 3  
Martin Unit No. 4

Port Everglades Unit No. 3

Riviera Unit No. 3  
Riviera Unit No. 4

Sanford Unit No. 5

Turkey Point Unit No. 3  
Turkey Point Unit No. 4

St. Lucie Unit No. 1  
St. Lucie Unit No. 2

Scherer Unit No. 4

## GENERATING PERFORMANCE INCENTIVE FACTOR

## REWARD/PENALTY TABLE ( ESTIMATED )

FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: OCTOBER 1997 THROUGH SEPTEMBER 1998

Generating Performance Incentive Points (GPIF)	Fuel Savings/(Loss) (\$000)	Generating Performance Incentive Factor (\$000)
+ 10	31,163.00	19,433.29
+ 9	28,046.70	17,489.96
+ 8	24,930.40	15,546.63
+ 7	21,814.10	13,603.30
+ 6	18,697.80	11,659.97
+ 5	15,581.50	9,716.64
+ 4	12,465.20	7,773.31
+ 3	9,348.90	5,829.99
+ 2	6,232.60	3,886.66
+ 1	3,116.30	1,943.33
0	0.00	0.00
- 1	( 3,205.00)	( 1,943.33)
- 2	( 6,410.00)	( 3,886.66)
- 3	( 9,615.00)	( 5,829.99)
- 4	( 12,820.00)	( 7,773.31)
- 5	( 16,025.00)	( 9,716.64)
- 6	( 19,230.00)	( 11,659.97)
- 7	( 22,435.00)	( 13,603.30)
- 8	( 25,640.00)	( 15,546.63)
- 9	( 28,845.00)	( 17,489.96)
- 10	( 32,050.00)	( 19,433.29)

## GENERATING PERFORMANCE INCENTIVE FACTOR

## CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

## ESTIMATED

## FLORIDA POWER &amp; LIGHT COMPANY

PERIOD OF: OCTOBER 1997 THROUGH SEPTEMBER 1998

LINE 1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY		\$	4,781,459,000
	END OF MONTH BALANCE OF COMMON EQUITY			
LINE 2	MONTH OF OCTOBER	97	\$	4,747,599,000
LINE 3	MONTH OF NOVEMBER	97	\$	4,730,959,000
LINE 4	MONTH OF DECEMBER	97	\$	4,805,614,000
LINE 5	MONTH OF JANUARY	98	\$	4,826,498,000
LINE 6	MONTH OF FEBRUARY	98	\$	4,809,213,000
LINE 7	MONTH OF MARCH	98	\$	4,811,990,000
LINE 8	MONTH OF APRIL	98	\$	4,771,519,000
LINE 9	MONTH OF MAY	98	\$	4,789,650,000
LINE 10	MONTH OF JUNE	98	\$	4,753,987,000
LINE 11	MONTH OF JULY	98	\$	4,756,698,000
LINE 12	MONTH OF AUGUST	98	\$	4,784,095,000
LINE 13	MONTH OF SEPTEMBER	98	\$	4,703,912,000
LINE 14	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 13 DIVIDED BY 13)		\$	4,773,322,000
LINE 15	50 BASIS POINTS			0.0025
LINE 16	REVENUE EXPANSION FACTOR			60.4525%
LINE 17	MAXIMUM ALLOWED INCENTIVE DOLLARS (LINE 14 TIMES LINE 15 DIVIDED BY LINE 16)		\$	19,739,969
LINE 18	JURISDICTIONAL SALES			81,338,012,000 KWH
LINE 19	TOTAL SALES			82,621,629,000 KWH
LINE 20	JURISDICTIONAL SEPARATION FACTOR (LINE 18 DIVIDED BY LINE 19)			98.45%
LINE 21	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS		\$	19,433,287

## GPIF TARGET AND RANGE SUMMARY

 FLORIDA POWER & LIGHT COMPANY  
 PERIOD OF: OCTOBER 1997 THROUGH SEPTEMBER 1998

Plant / Unit	Weighting Factor (%)	EAF Target (%)	EAF Range		Max. Fuel Savings (\$000's)	Max. Fuel Loss (\$000's)
			Max. (%)	Min. (%)		
Cape Canaveral 1	0.17	93.6	96.1	91.1	52.42	52.35
Cape Canaveral 2	0.13	89.3	91.8	86.8	41.63	41.86
Lauderdale 4	1.04	98.7	90.7	86.7	323.62	324.10
Lauderdale 5	1.08	93.5	95.5	91.5	337.00	337.27
Fort Myers 2	0.29	93.7	96.2	91.2	89.00	89.13
Martin 3	1.64	95.2	97.2	93.2	512.00	512.70
Martin 4	1.64	93.0	95.0	91.0	512.00	512.70
Port Everglades 3	0.06	80.8	82.8	78.8	17.80	17.80
Riviera 3	0.21	76.5	79.5	73.5	65.60	65.60
Riviera 4	0.17	92.5	95.0	90.0	52.50	52.50
Sanford 5	0.05	94.3	96.8	91.8	14.10	13.90
Turkey Point 3	11.47	92.8	95.5	89.5	3575.70	3574.00
Turkey Point 4	10.66	89.1	92.1	86.1	3321.60	3320.20
St. Lucie 1	10.37	72.7	75.7	69.7	3231.30	3229.00
St. Lucie 2	11.46	93.6	96.6	90.6	3572.00	3570.20
Scherer 4	2.23	87.6	90.1	85.1	696.00	696.60
	<u>52.67</u>				<u>16414.27</u>	<u>16409.91</u>

## GPIF TARGET AND RANGE SUMMARY

 FLORIDA POWER & LIGHT COMPANY  
 PERIOD OF: OCTOBER 1997 THROUGH SEPTEMBER 1998

Plant / Unit	Weighting Factor (%)	ANOHR TARGET		ANOHR RANGE		Max. Fuel Savings	Max. Fuel Loss
		BTU/KWH	NOF	BTU/KWH	BTU/KWH	(\$000's)	(\$000's)
Cape Canaveral 1	1.74	9378	78.7	9194	9563	543.07	543.07
Cape Canaveral 2	2.19	9437	82.9	9228	9646	683.14	683.14
Lauderdale 4	3.54	7212	101.8	6989	7436	1104.54	1104.54
Lauderdale 5	2.72	7283	101.9	7080	7446	848.07	848.07
Fort Myers 2	3.59	9294	89.9	9066	9522	1118.34	1118.34
Martin 3	3.97	7003	102.9	6764	7241	1238.66	1238.66
Martin 4	4.18	7016	102.9	6770	7263	1302.89	1302.89
Port Everglades 3	3.45	9741	72.5	9403	10079	1076.12	1076.12
Riviera 3	1.66	9518	88.3	9311	9724	518.21	518.21
Riviera 4	1.91	9764	87.0	9544	9984	596.66	596.66
Sanford 5	2.57	9947	76.7	9638	10257	799.35	799.35
Turkey Point 3	6.09	10971	101.5	10713	11229	1897.60	2119.00
Turkey Point 4	4.55	11044	101.6	10811	11277	1417.50	1713.90
St.Lucie 1	1.51	10913	100.5	10792	11034	471.80	558.60
St.Lucie 2	2.77	10940	100.7	10771	11108	864.10	1151.50
Scherer 4	0.86	9994	97.8	9888	10100	269.00	269.00
	47.33					14749.05	15641.05



**PROJECTED UNIT HEAT RATE EQUATIONS  
FLORIDA POWER & LIGHT COMPANY  
OCTOBER, 1997 THROUGH SEPTEMBER, 1998**

<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 1	9378	76.7	397	10069.0	-9.00	184.1	0.31	04-94	03-97	01-96
Cape Canaveral 2	9437	82.9	397	10017.0	-7.00	209.3	0.09	04-94	03-97	03-95
Lauderdale 4	7212	101.8	430	8536.0	-13.00	223.2	0.44	04-94	03-97	05-94
Lauderdale 5	7263	101.9	430	8587.0	-13.00	182.7	0.49	04-94	03-97	09-94
Fort Myers 2	9294	89.9	412	10553.0	-14.00	228.2	0.48	04-94	03-97	12-94, 10-96 - 12-96
Martin 3	7003	102.9	430	7517.0	-5.00	238.3	0.08	04-94	03-97	
Martin 4	7016	102.9	430	7119.0	-1.00	246.5	0.02	04-94	03-97	04-94
Port Everglades 3	9741	72.5	403	11481.0	-24.00	338.0	0.54	04-94	03-97	05-96, 02-97
Riviera 3	9518	88.3	290	11195.0	-19.00	206.7	0.66	04-94	03-97	04-94, 05-94
Riviera 4	9764	87.0	290	11243.0	-17.00	220.1	0.67	04-94	03-97	11-94
Sanford 5	9947	76.7	390	10254.0	-4.00	309.3	0.03	04-94	03-97	11-95
Turkey Point 3	10971	101.5	693	13203.0	-22.00	257.9	0.35	04-94	03-97	04-94, 05-94, 09-95, 03-97
Turkey Point 4	11044	101.6	693	14396.0	-33.00	232.9	0.61	04-94	03-97	10-94, 11-94, 03-96
St. Lucie 1	10913	100.5	839	13224.0	-23.00	121.1	0.65	04-94	03-97	11-94, 08-95, 09-95, 05-96
St. Lucie 2	10940	100.7	714	14061.0	-31.00	168.6	0.56	04-94	03-97	04-94, 10-95, 12-95
Schlerer 4	9994	97.8	605	9995.4	-0.02	106.1	0.04	02-94	03-96	12-95

Issued by: Florida Power & Light Company

Docket No.: 970001-EI  
FPL Witness: R. Silva  
Exhibit: No.:  
Document 1 Page 8 of 27

Original Sheet No.

7.201.008

## DERRIVATION OF WEIGHT FACTORS

FLORIDA POWER & LIGHT COMPANY  
PERIOD OF: OCTOBER 1997 THROUGH SEPTEMBER 1998

PRODUCTION COSTING SIMULATION  
FUEL COST (\$000'S)

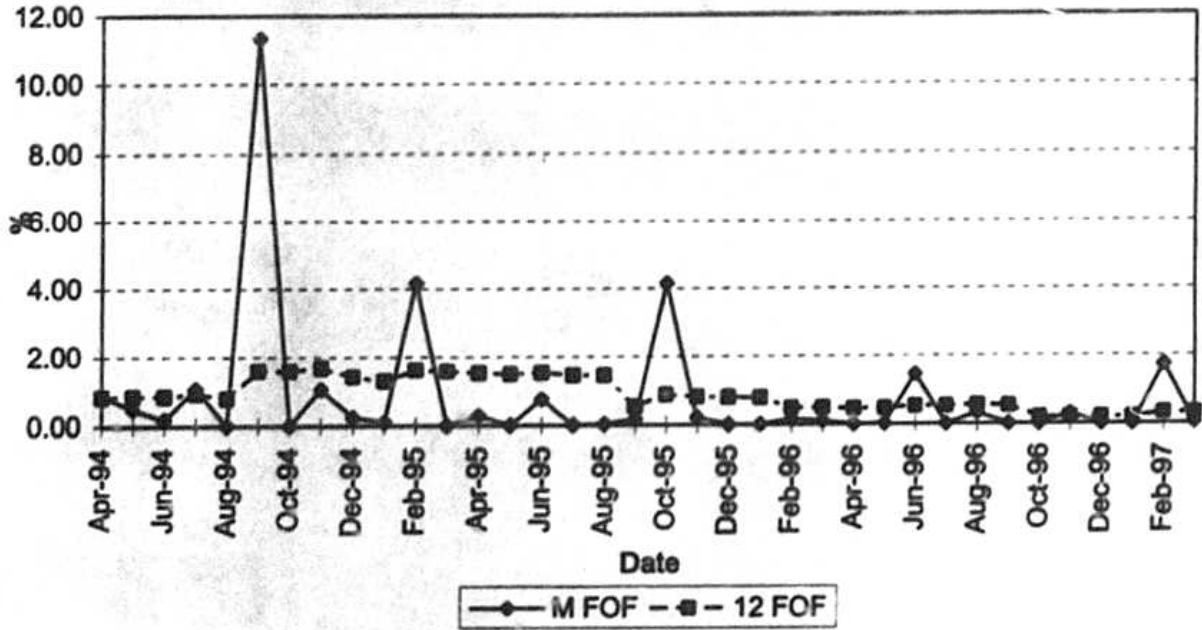
Unit	Performance Indicator	At Target (1)	At Maximum Improvement (2)	Savings (3)	Factor (% Of Savings)
Cape Canaveral 1	EAF	980367	980419	52.4	0.17
	ANHR	980367	980910	543.1	1.74
Cape Canaveral 2	EAF	980367	980409	41.6	0.13
	ANHR	980367	981050	683.1	2.19
Ft. Lauderdale 4	EAF	980367	980691	323.6	1.04
	ANHR	980367	981472	1104.5	3.54
Ft Lauderdale 5	EAF	980367	980704	337.0	1.08
	ANHR	980367	981215	848.1	2.72
Ft. Myers 2	EAF	980367	980458	89.0	0.29
	ANHR	980367	981485	1118.3	3.59
Martin 3	EAF	980367	980879	512.0	1.64
	ANHR	980367	981606	1238.7	3.97
Martin 4	EAF	980367	980879	512.0	1.64
	ANHR	980367	981670	1302.9	4.18
Port Everglades 3	EAF	980367	980385	17.8	0.06
	ANHR	980367	981443	1076.1	3.45
Riviera 3	EAF	980367	980433	65.6	0.21
	ANHR	980367	980885	518.2	1.66
Riviera 4	EAF	980367	980420	52.5	0.17
	ANHR	980367	980964	596.7	1.91
Sanford 5	EAF	980367	980381	14.1	0.05
	ANHR	980367	981166	799.4	2.57
Turkey Point 3	EAF	980367	983943	3575.7	11.47
	ANHR	980367	982265	1897.6	6.09
Turkey Point 4	EAF	980367	983689	3321.6	10.66
	ANHR	980367	981785	1417.5	4.55
St. Lucie 1	EAF	980367	983598	3231.3	10.37
	ANHR	980367	980839	471.8	1.51
St. Lucie 2	EAF	980367	983939	3572.0	11.46
	ANHR	980367	981231	864.1	2.77
Scherer 4	EAF	980367	981063	696.0	2.23
	ANHR	980367	980636	269.0	0.86
TOTAL				31163.3	100.00

- (1) FUEL ADJUSTMENT BASE CASE - ALL UNIT PERFORMANCE INDICATORS AT TARGET  
(2) ALL OTHER UNIT PERFORMANCE AT TARGET  
(3) EXPRESSED IN REPLACEMENT ENERGY COSTS.

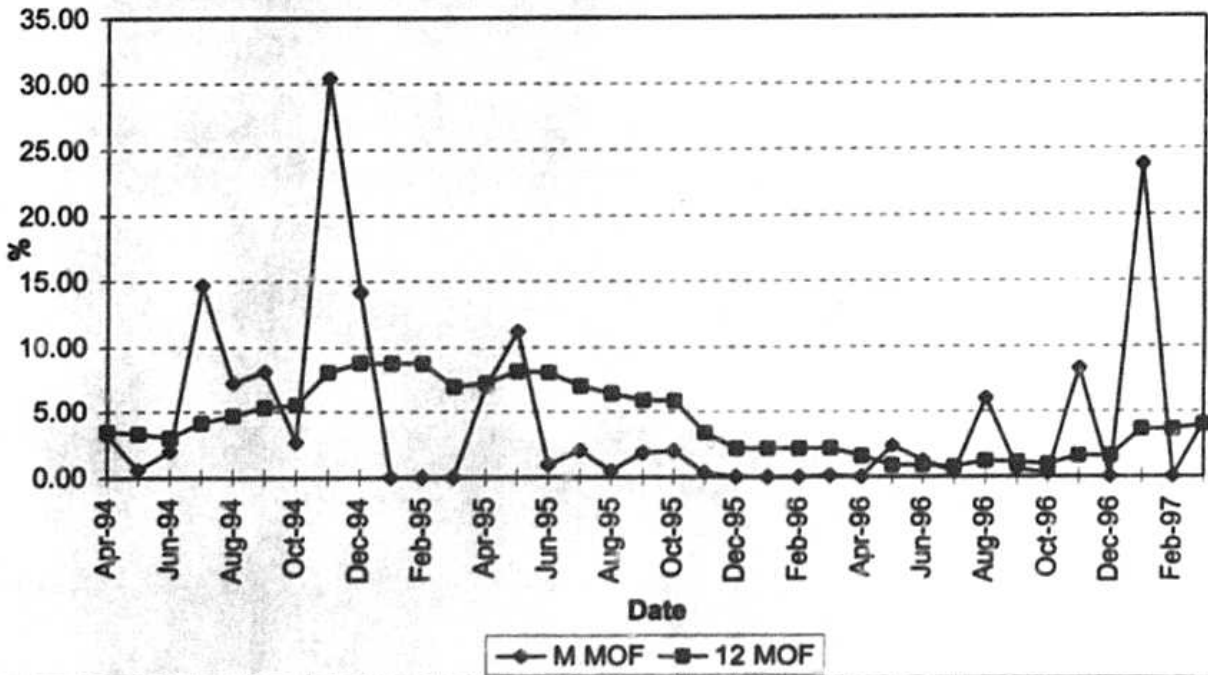
ESTIMATED UNIT PERFORMANCE DATA  
 FLORIDA POWER & LIGHT COMPANY  
 OCTOBER, 1997 THROUGH SEPTEMBER, 1998

<u>Plant/Unit</u>	<u>EAF</u>	<u>EPOF</u>	<u>EUOF</u>	<u>EUOR</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 1	93.6	0.0	6.4	7.5	8760	6882	1317.4	560.6	0.0	175.2	385.4	2086246
Cape Canaveral 2	89.3	3.8	6.9	7.9	8760	7069	753.7	937.3	332.9	166.4	438.0	2325821
Lauderdale 4	88.7	7.7	3.6	3.9	8760	7770	0.0	989.9	674.5	157.7	157.7	3413705
Lauderdale 5	93.5	2.7	3.8	3.9	8760	8191	0.0	569.4	236.5	166.4	166.4	3639925
Fort Myers 2	93.7	0.0	6.3	6.3	8760	8208	0.0	551.9	0.0	175.2	376.7	3126661
Martin 3	95.2	0.8	4.0	4.0	8760	8340	0.0	420.5	70.1	175.2	175.2	3818813
Martin 4	93.0	3.2	3.8	3.9	8760	8147	0.0	613.2	280.3	166.4	166.4	3832777
Port Everglades 3	80.8	15.3	3.9	5.8	8760	5594	1484.1	1681.9	1340.3	192.7	148.9	1634700
Riviera 3	76.5	16.4	7.1	8.6	8760	6636	65.4	2058.6	1436.6	148.9	473.0	1699077
Riviera 4	92.5	0.0	7.5	8.3	8760	7224	879.0	657.0	0.0	236.5	420.5	1822391
Sanford 5	94.3	0.0	5.7	8.8	8760	5158	3102.7	499.3	0.0	175.2	324.1	1542145
Turkey Point 3	92.8	0.8	6.4	6.5	8760	8129	0.0	630.7	70.1	280.3	280.3	5809885
Turkey Point 4	89.1	4.9	6.0	6.3	8760	7765	40.2	954.8	429.2	262.8	262.8	5466067
St Lucie 1	72.7	20.8	6.5	8.2	8760	6369	0.0	2391.5	1822.1	350.4	219.0	5574918
St Lucie 2	93.6	0.0	6.4	6.4	8760	8199	0.0	560.6	0.0	280.3	280.3	5983652
Scherer 4	87.6	6.3	6.1	6.5	8760	7674	0.0	1086.2	551.9	367.9	166.4	4855856

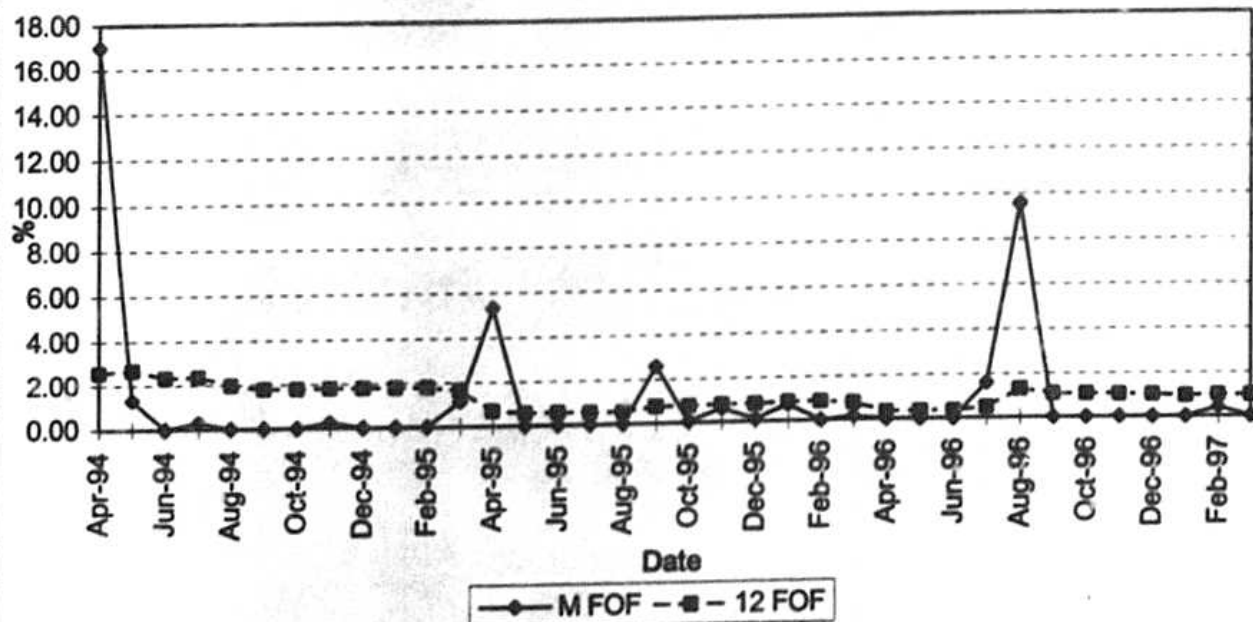
## PCC 1 FORCED OUTAGE FACTOR



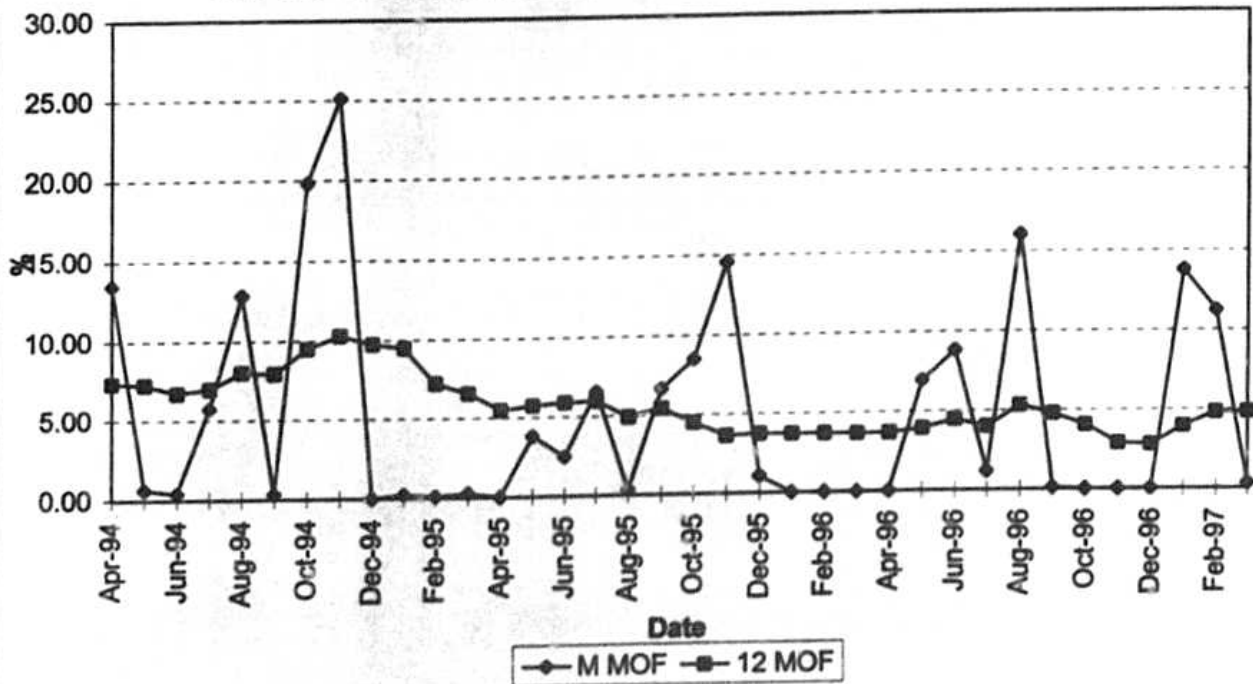
## MAINTENANCE OUTAGE FACTOR



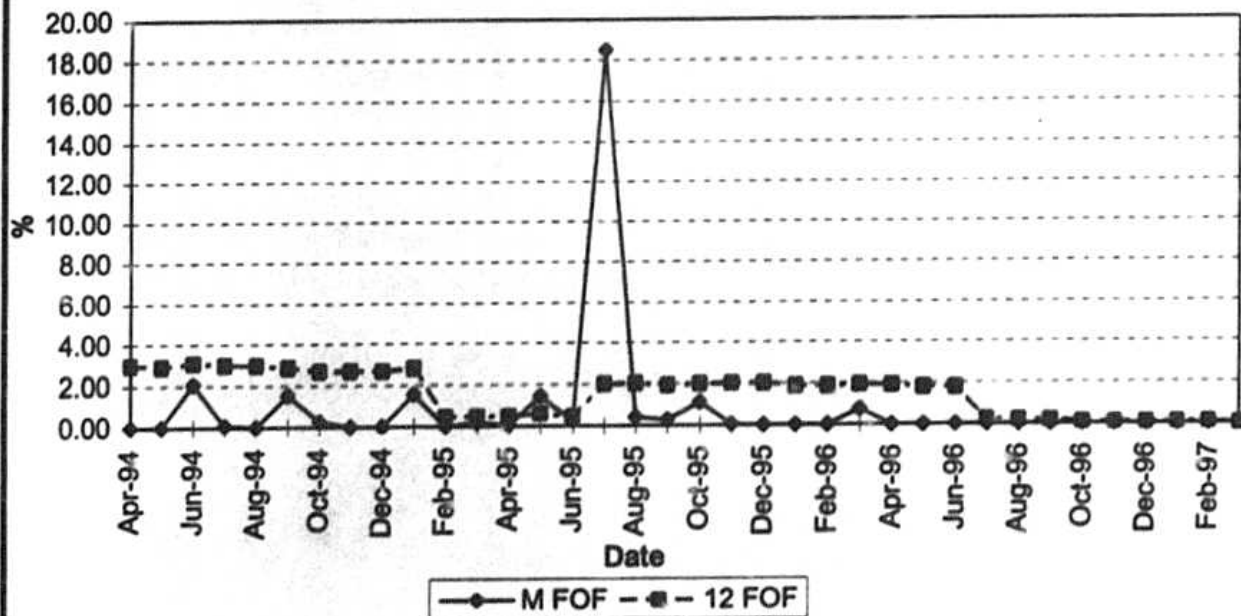
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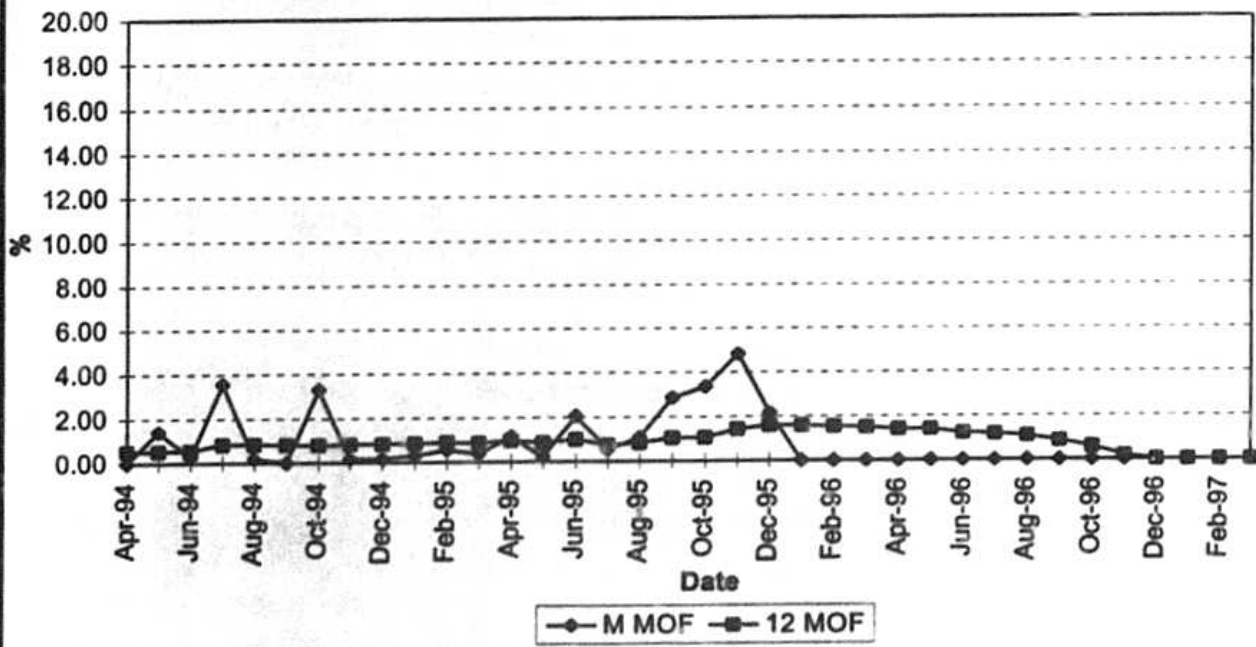
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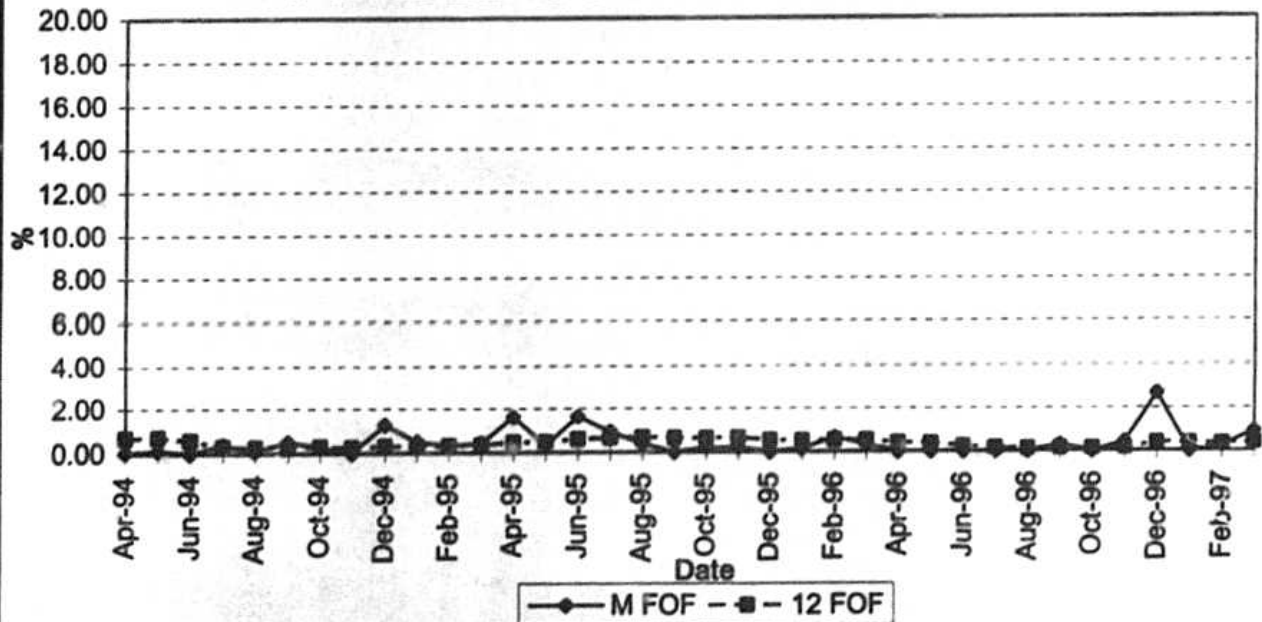
## PFL 4 FORCED OUTAGE FACTOR



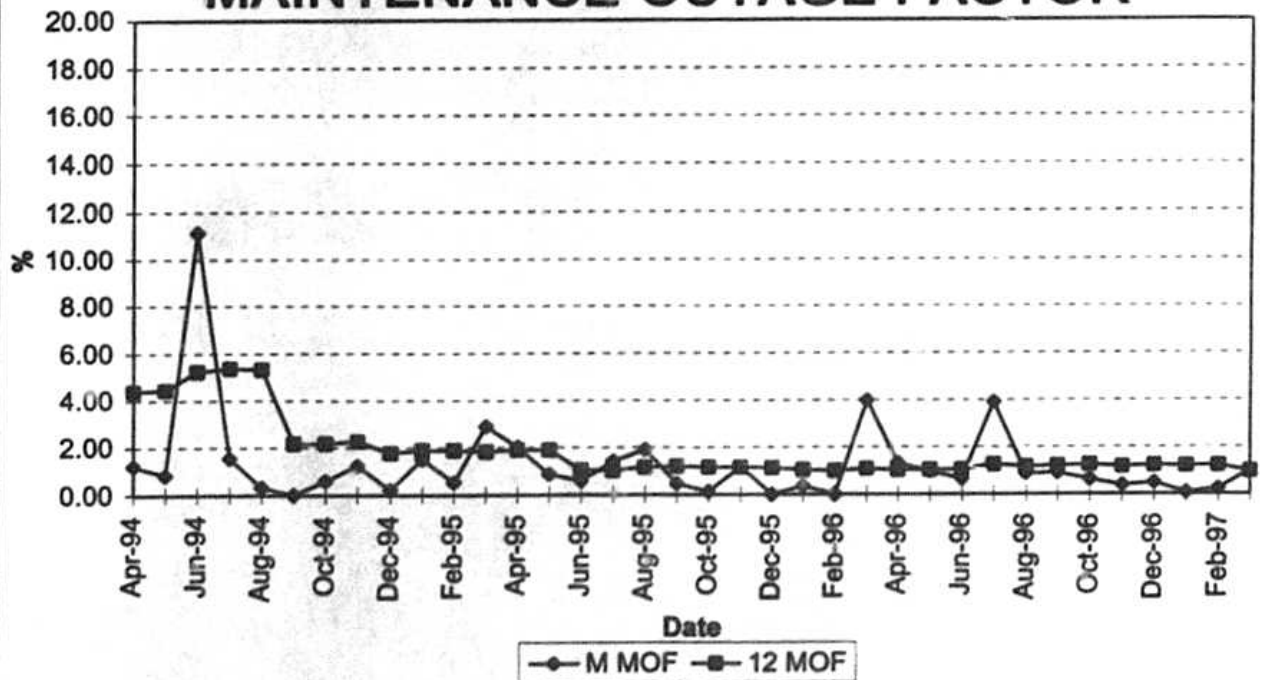
## MAINTENANCE OUTAGE FACTOR



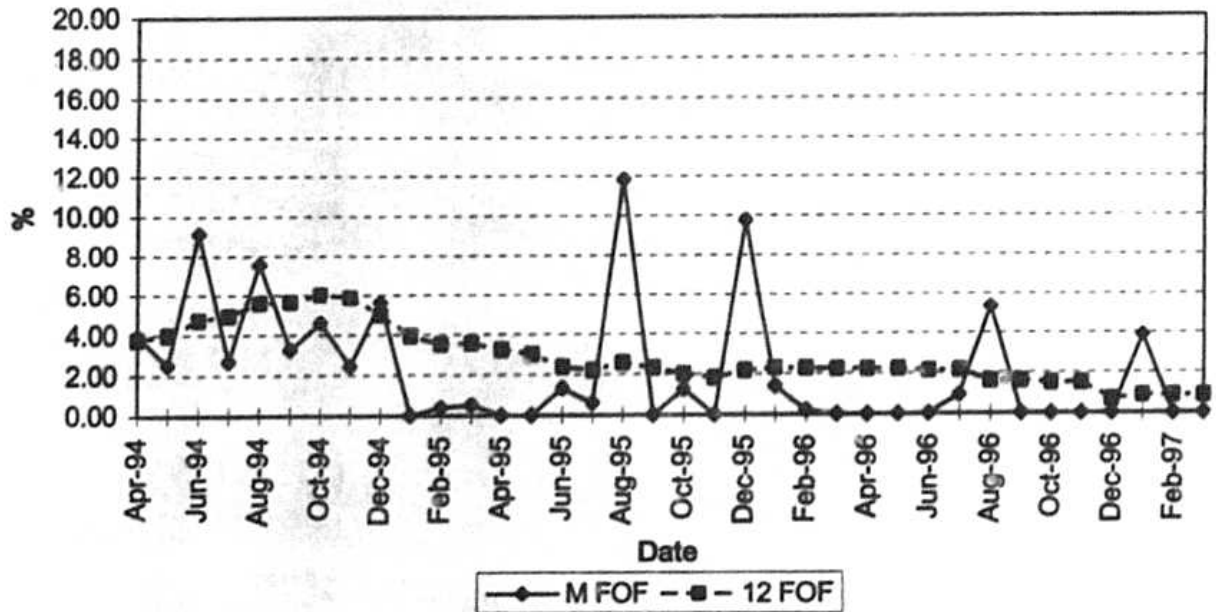
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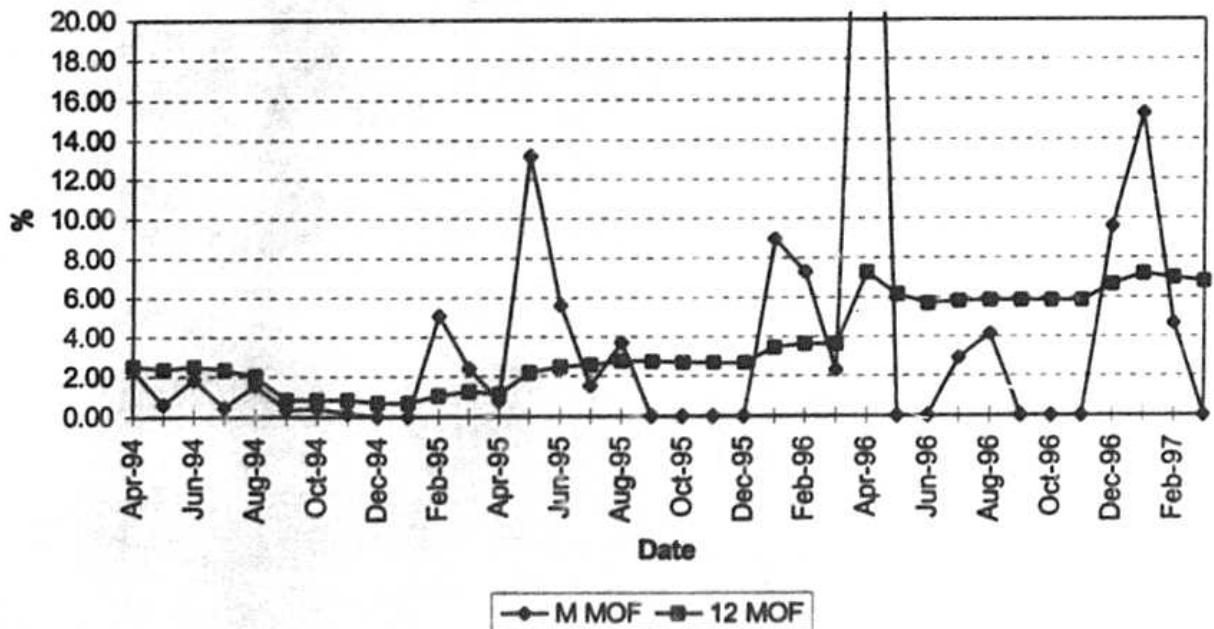
## MAINTENANCE OUTAGE FACTOR



## PFM 2 FORCED OUTAGE FACTOR

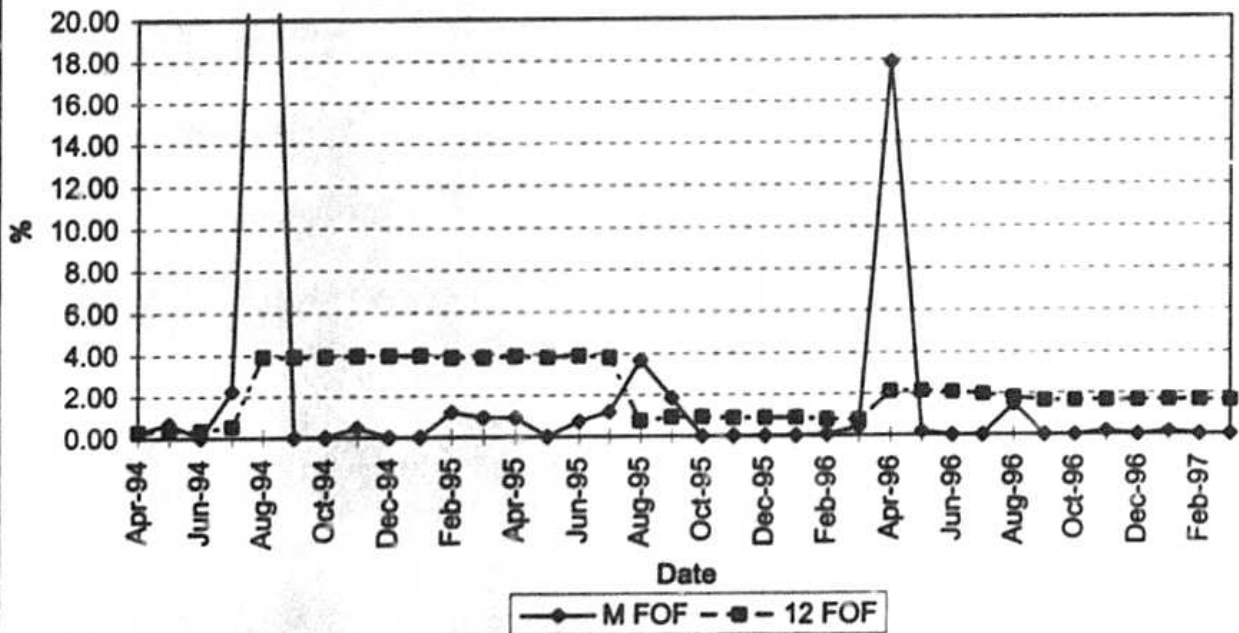


## MAINTENANCE OUTAGE FACTOR

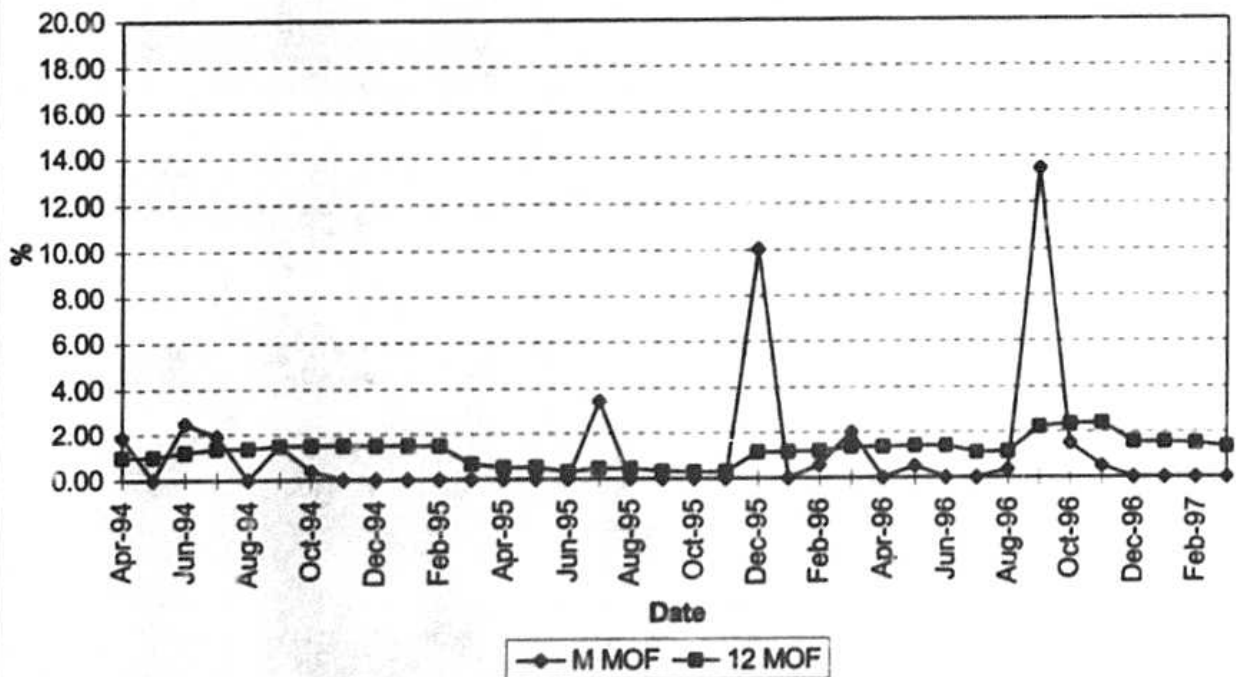




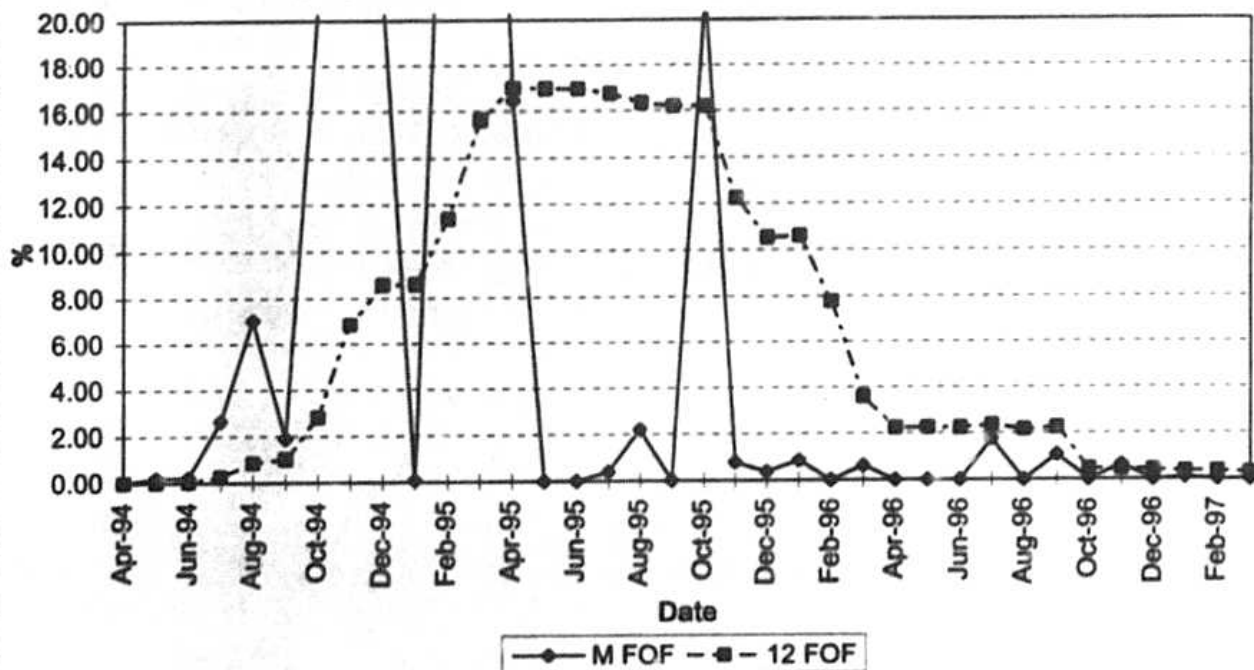
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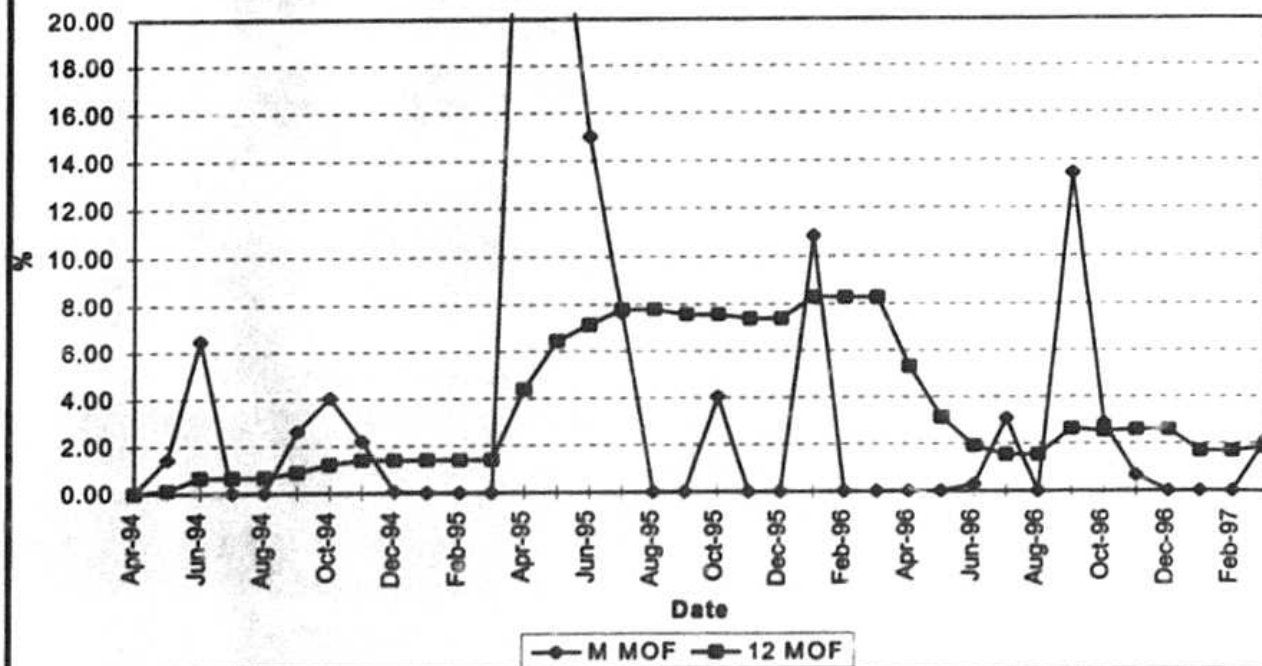
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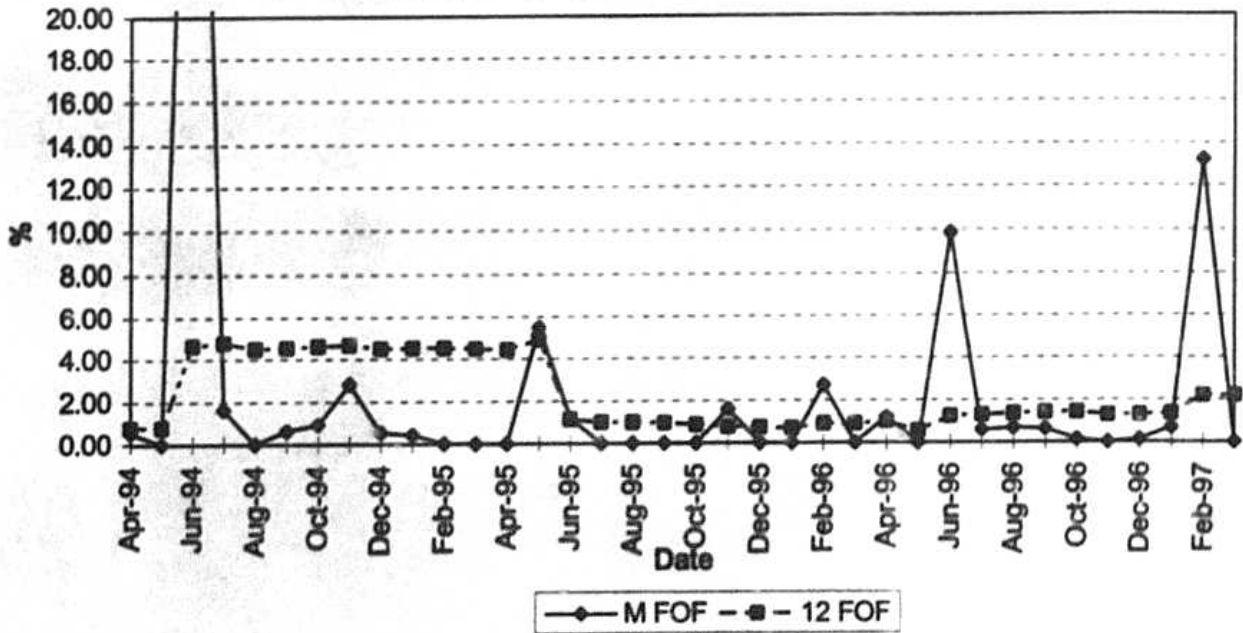
## PMG 4 FORCED OUTAGE FACTOR



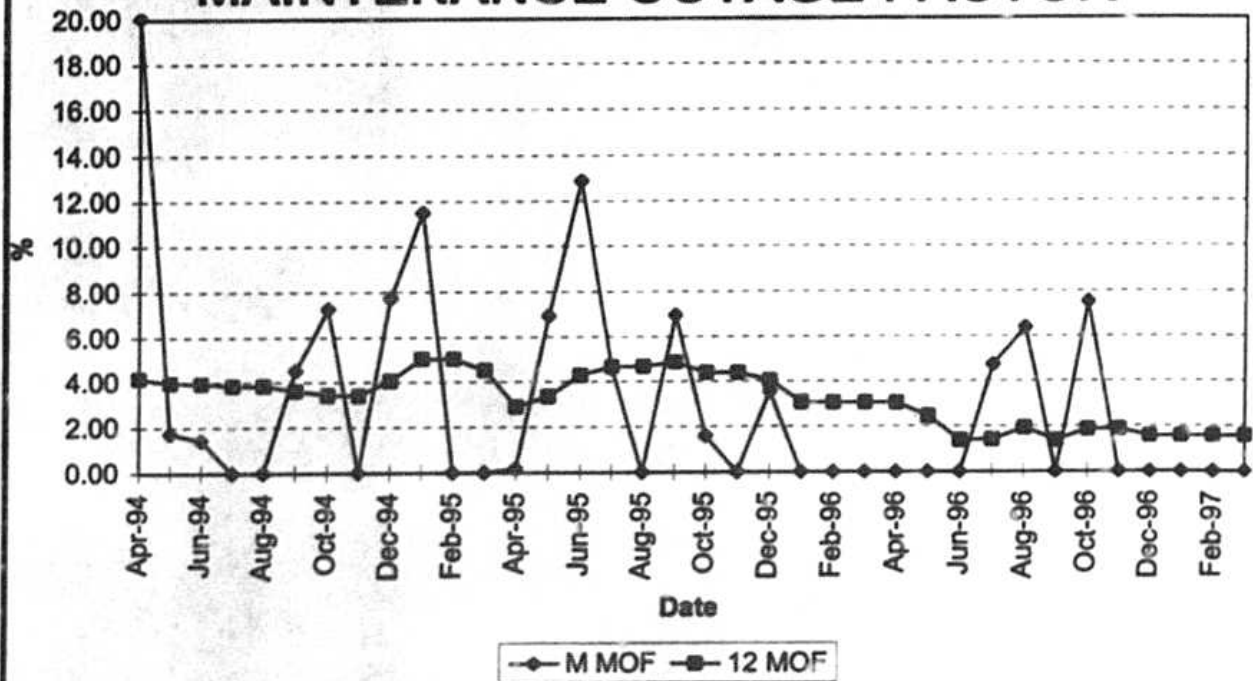
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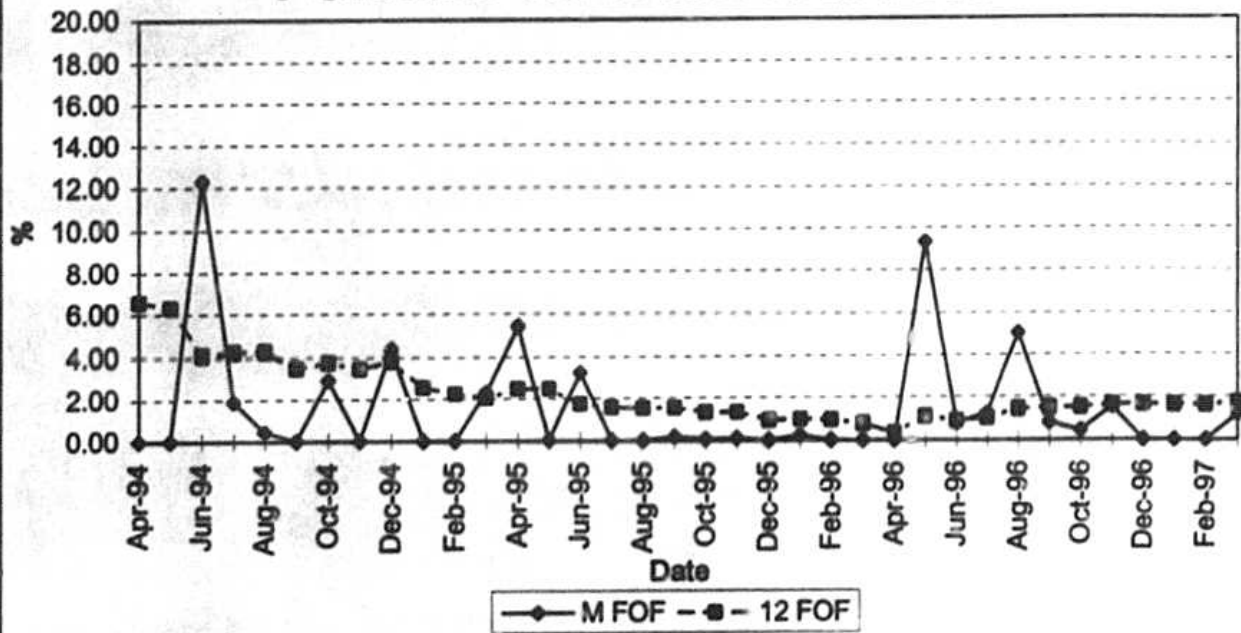
## PPE 3 FORCED OUTAGE FACTOR



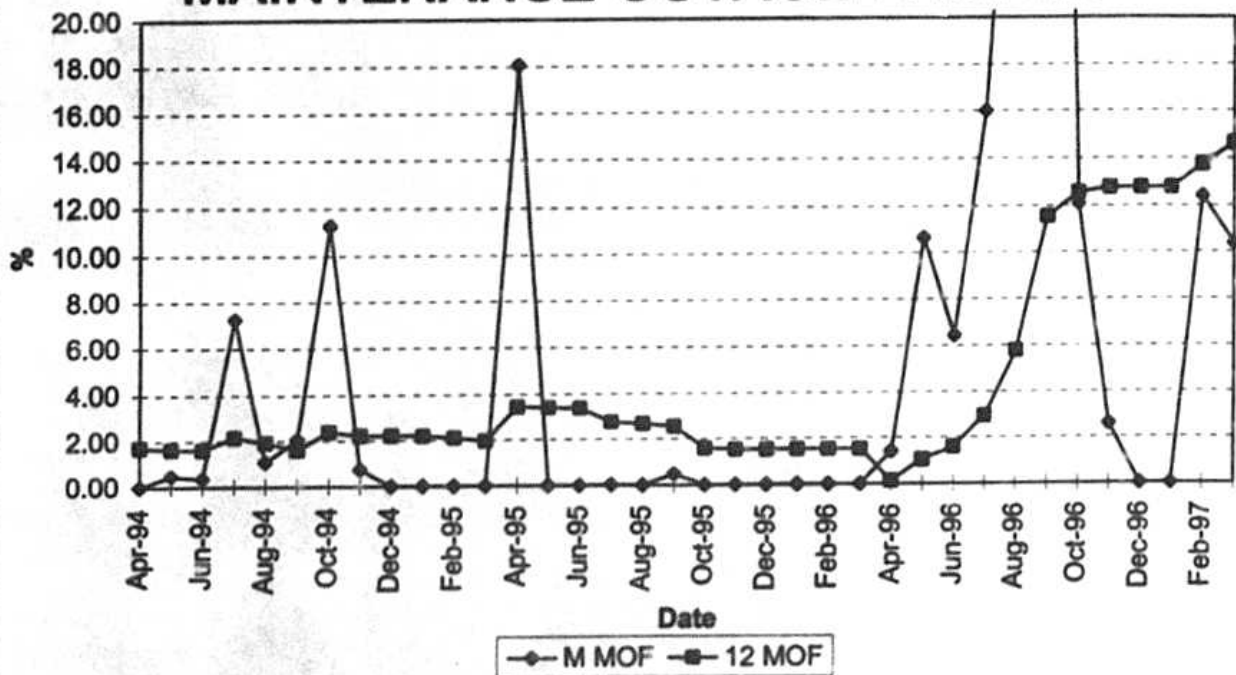
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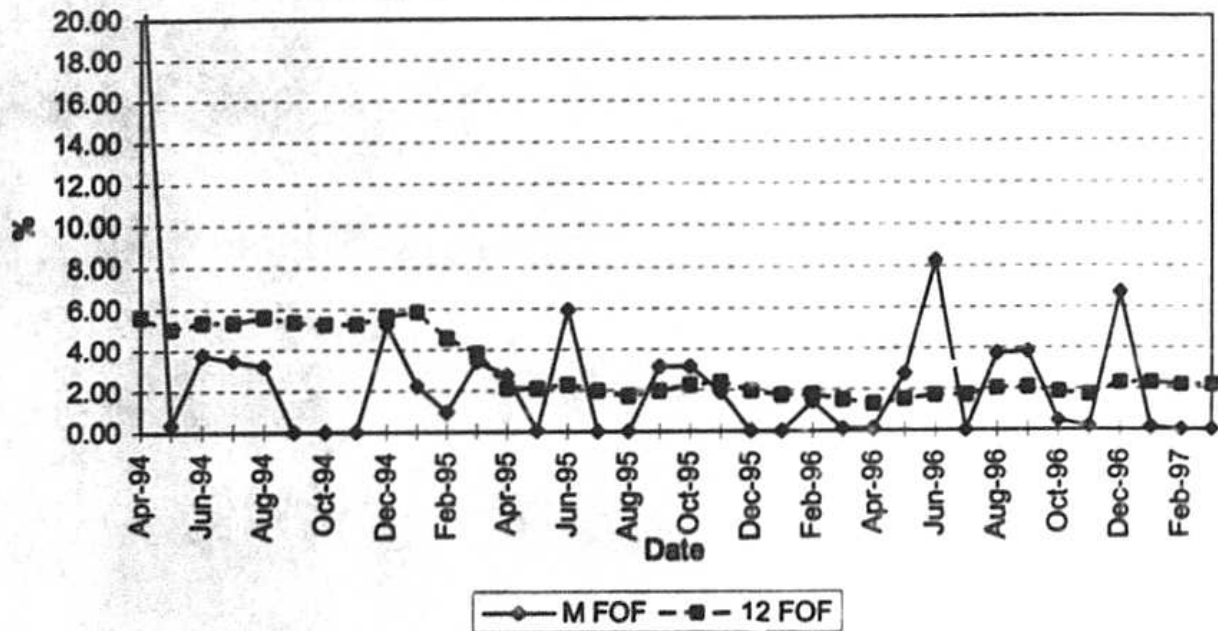
## PRV 3 FORCED OUTAGE FACTOR



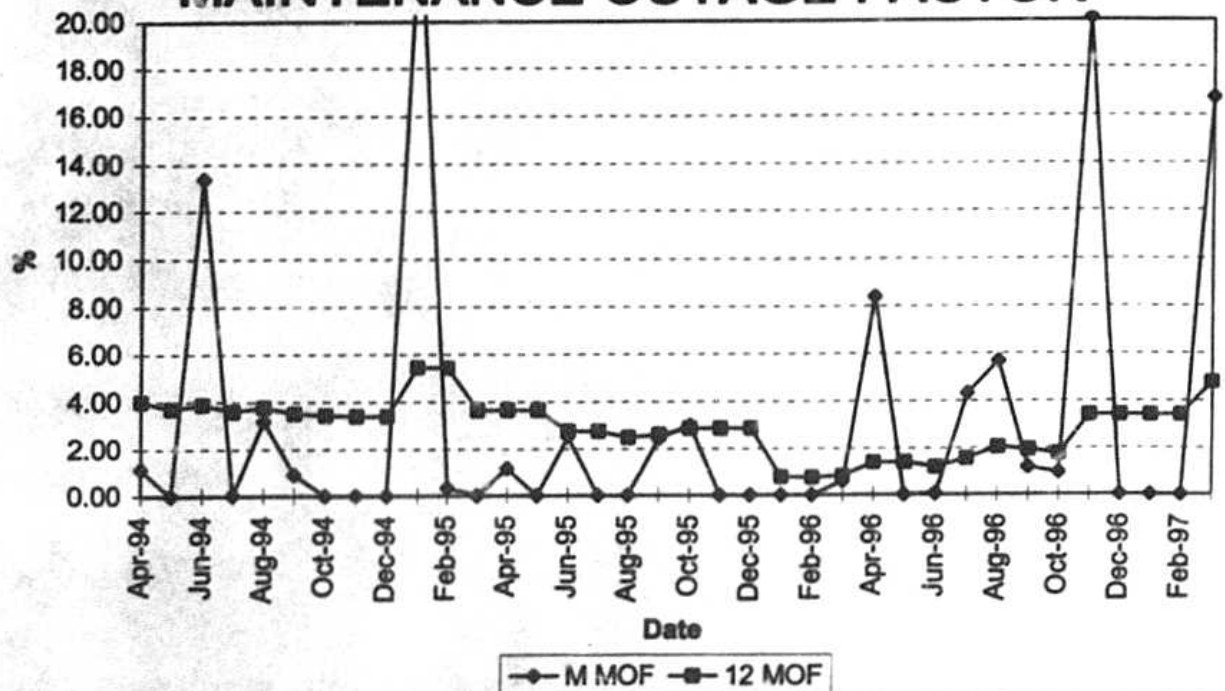
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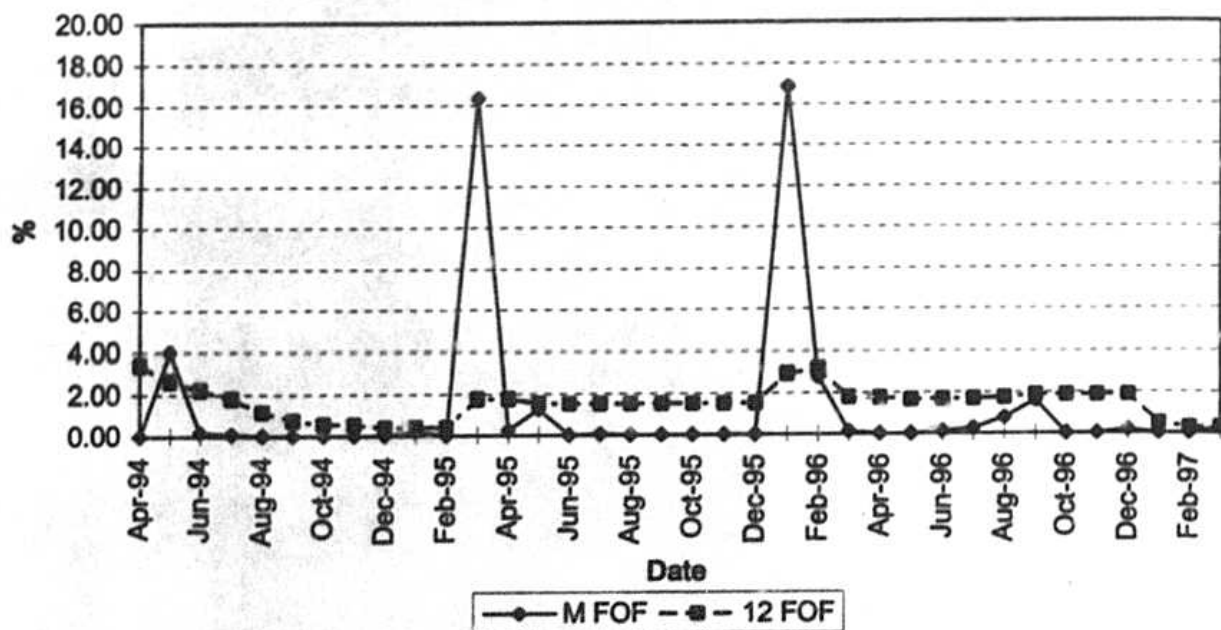
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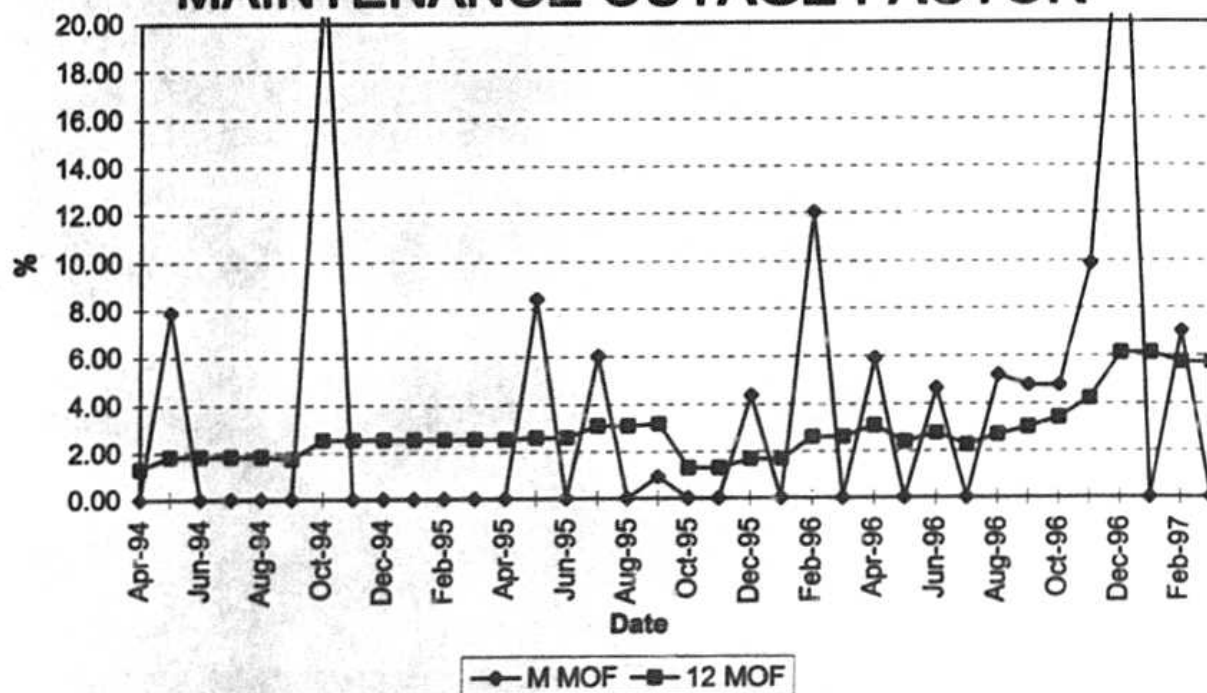
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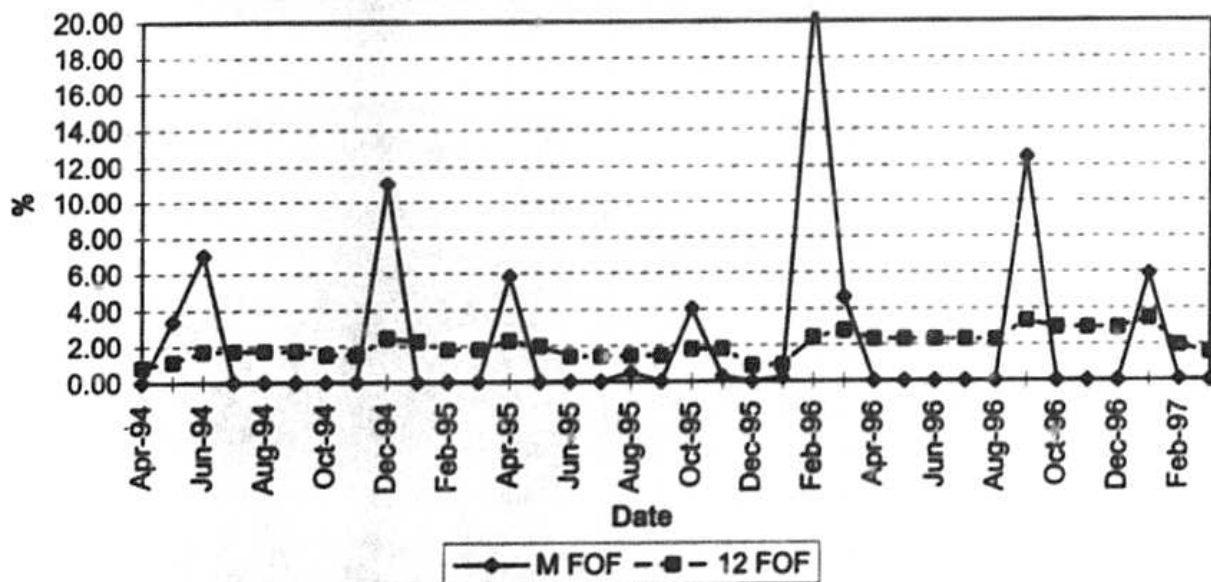
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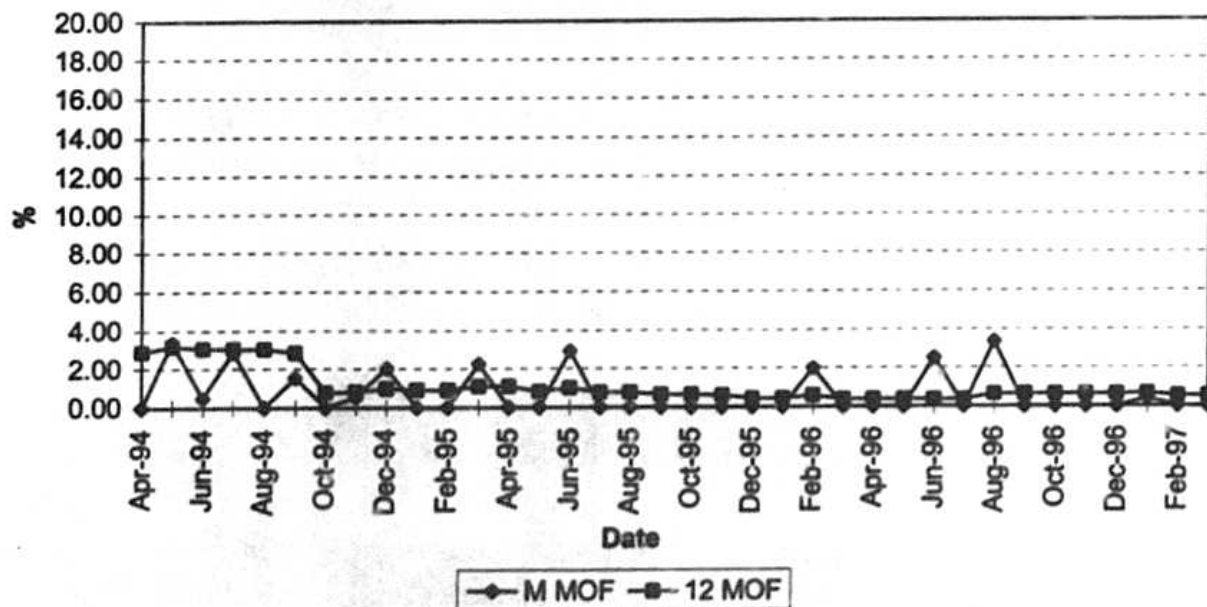
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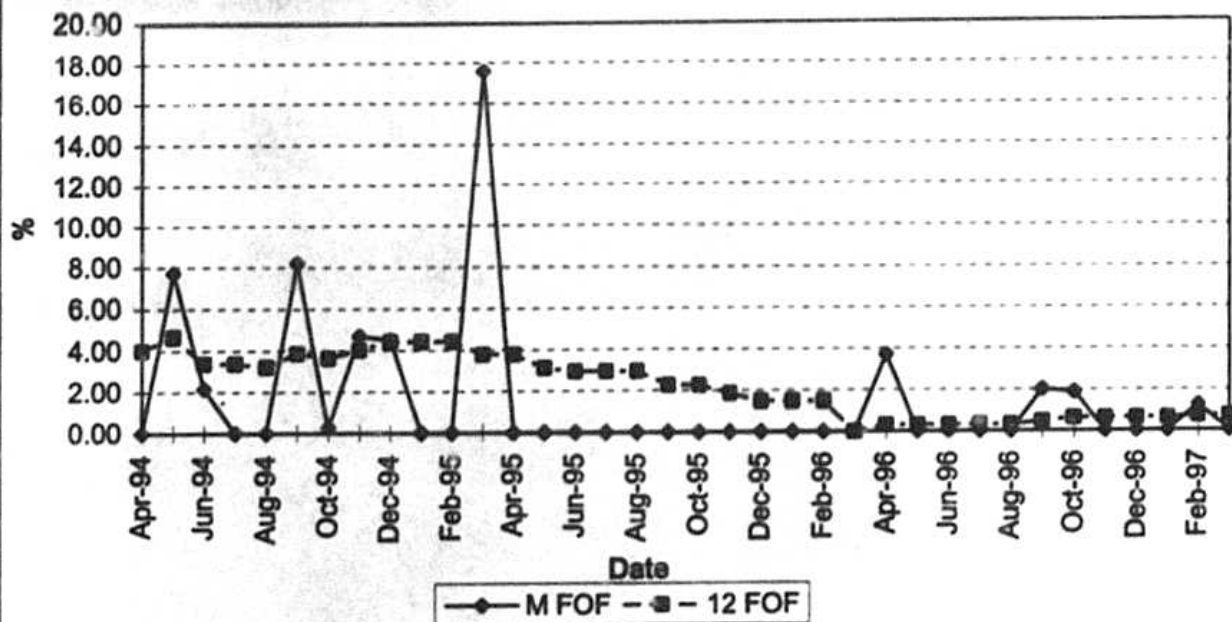
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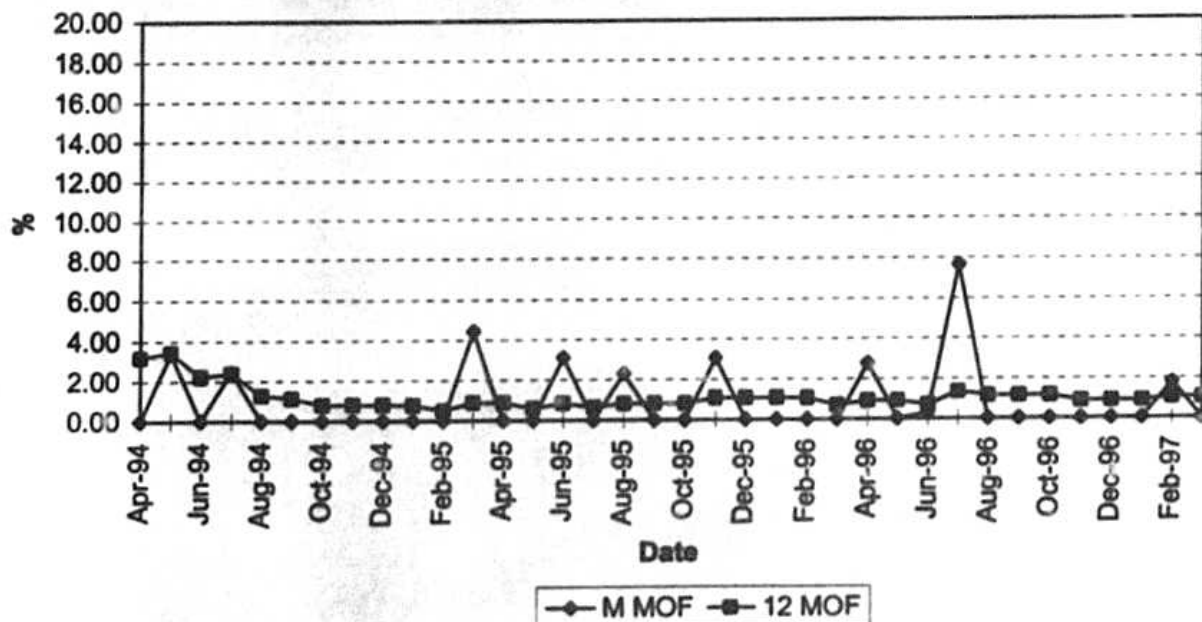
## MAINTENANCE OUTAGE FACTOR



## PTN 4 FORCED OUTAGE FACTOR

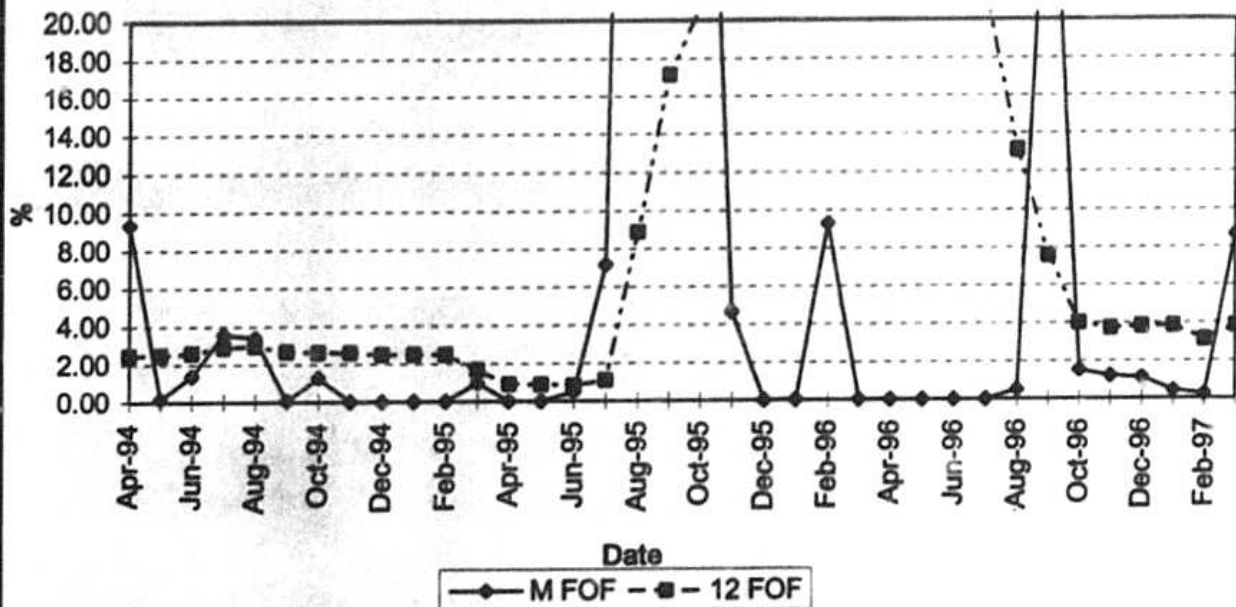


## MAINTENANCE OUTAGE FACTOR

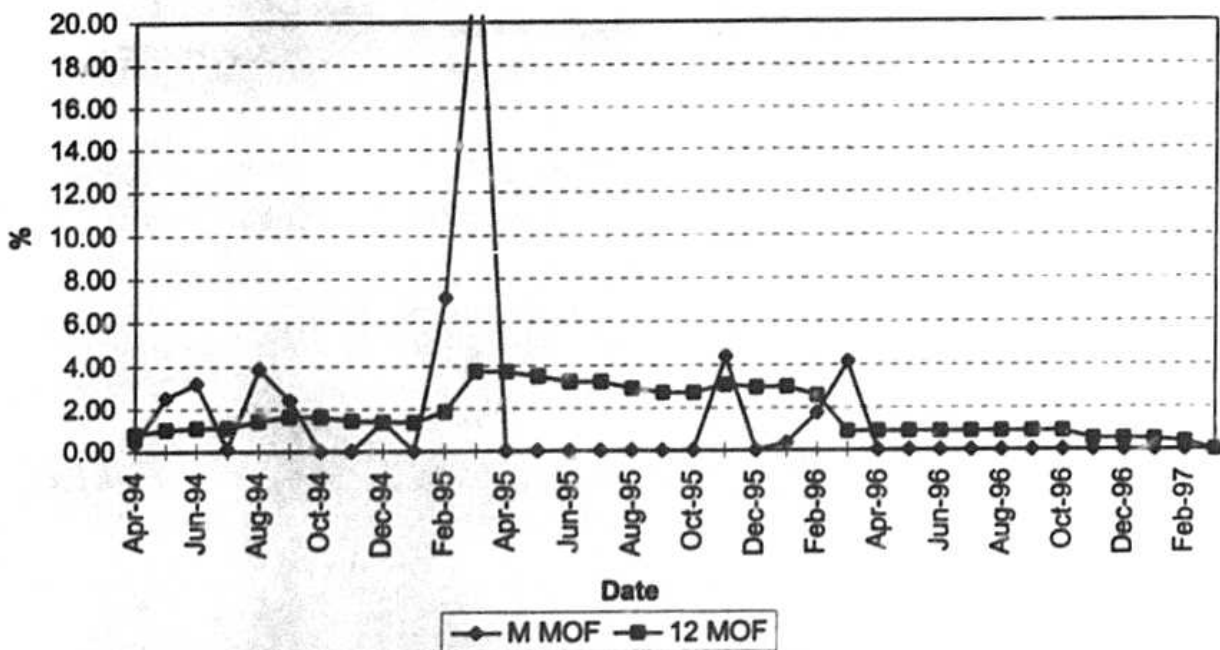




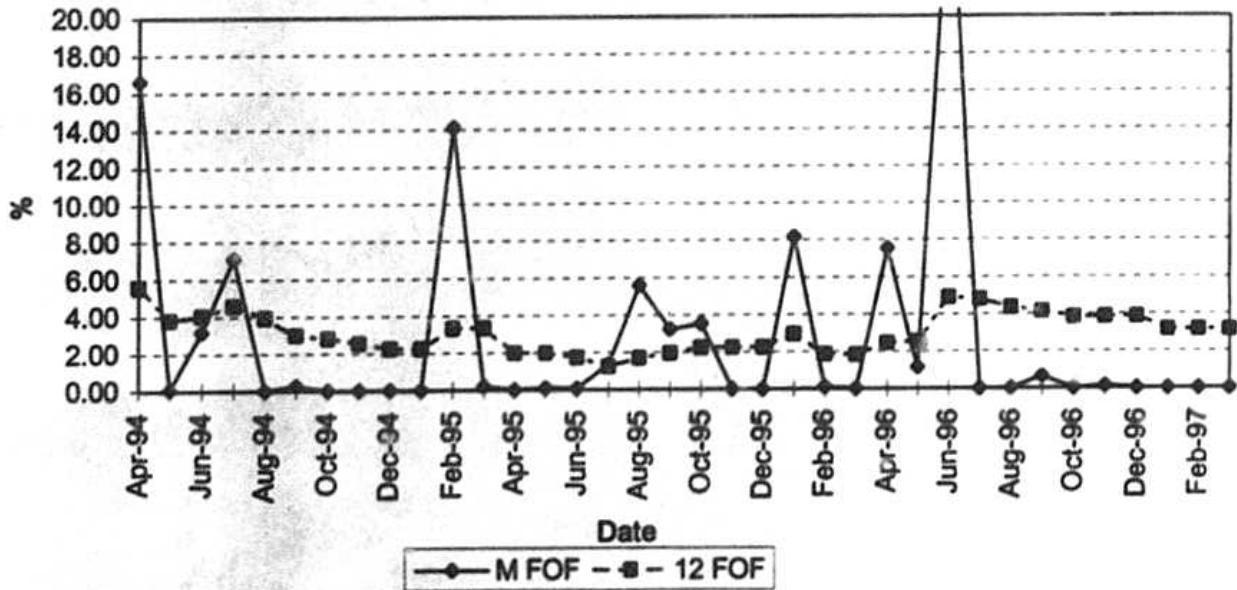
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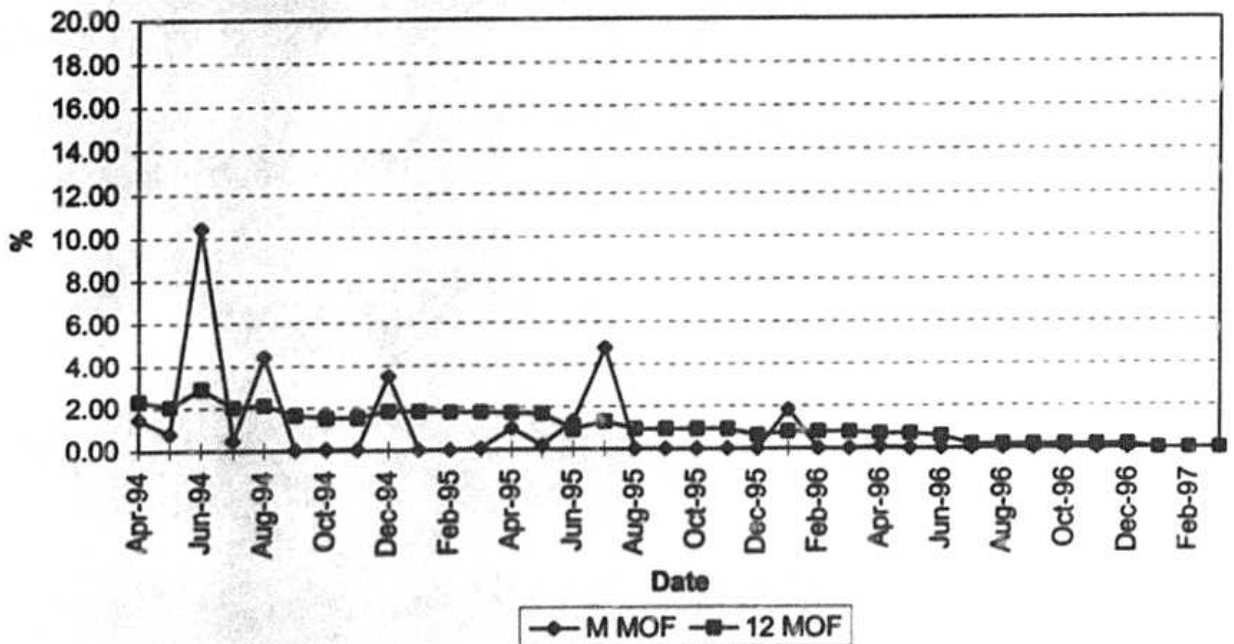
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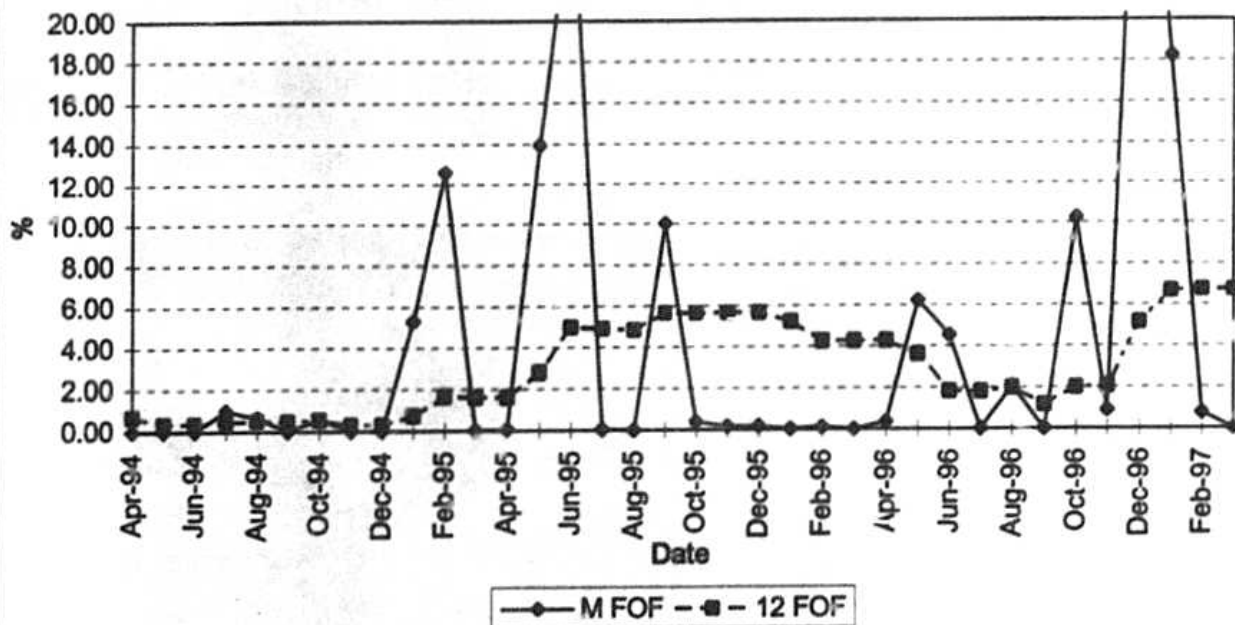
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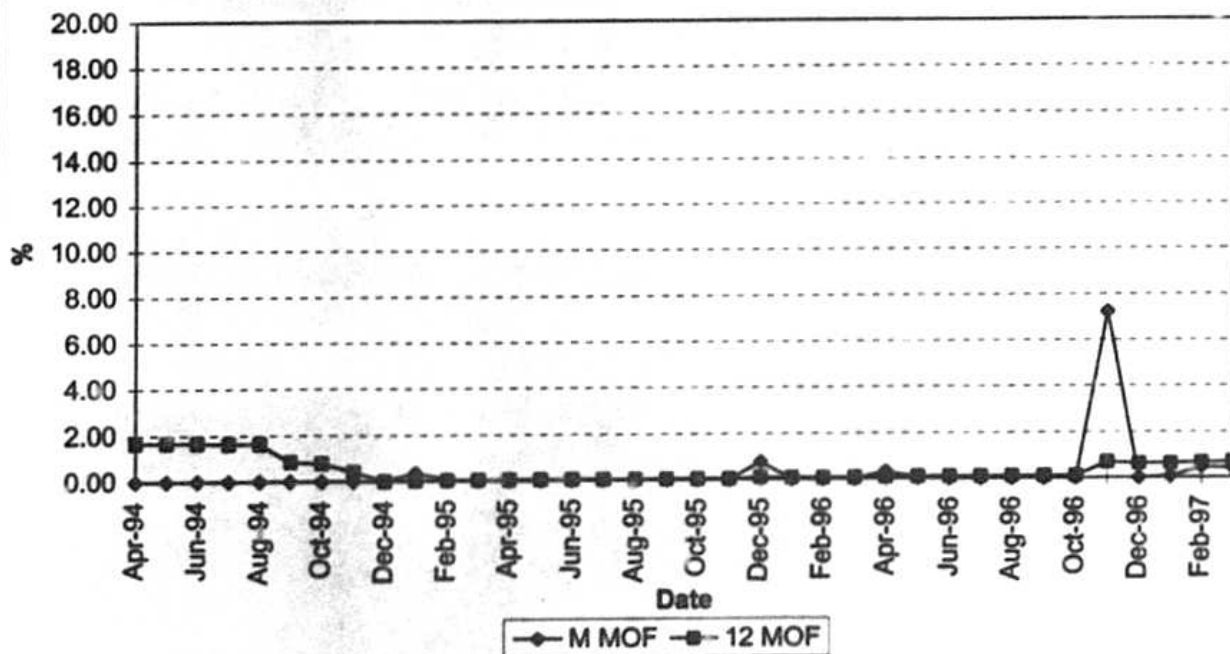
## MAINTENANCE OUTAGE FACTOR



## PSG 4 FORCED OUTAGE FACTOR



## MAINTENANCE OUTAGE FACTOR



**PLANNED OUTAGE SCHEDULE (ESTIMATED)**

**FLORIDA POWER & LIGHT COMPANY**

Period Of: October 1997 through September 1998

<u>PLANT/UNIT</u>		<u>PLAN OUTAGE</u>	<u>REASON FOR OUTAGE</u>	<u>LR MW</u>
CAPE CANAVERAL	1	NONE		
CAPE CANAVERAL	2	11/29/97- 12/12/97	Turbine/Gen Overhaul	397
LAUDERDALE	4	03/04/98- 04/10/98	Combustion Turbine Overhaul	430
LAUDERDALE	5	11/08/97- 11/17/97	Combustion Turbine Overhaul	430
FORT MYERS	2	NONE		
MARTIN	3	02/21/98- 02/26/98	Combustion Turbine Overhaul	215
MARTIN	4	11/15/97- 11/25/97	Combustion Turbine Overhaul	215
		02/14/98- 02/19/98	Combustion Turbine Overhaul	215
		05/02/98- 05/07/98	Combustion Turbine Overhaul	215
PORT EVERGLADES	3	02/28/98- 04/24/98	Turbine/Gen Overhaul	403
RIVIERA	3	02/28/98- 04/28/98	Turbine/Gen Overhaul	290
RIVIERA	4	NONE		
SANFORD	5	NONE		
TURKEY POINT	3	09/28/98- (09/30/98)	Refueling Overhaul	693
TURKEY POINT	4	(10/01/97)- 10/18/97	Refueling Overhaul	693
ST. LUCIE	1	10/20/97- 01/03/98	Refueling Overhaul	839
ST. LUCIE	2	NONE		
SCHERER	4	03/21/98- 04/11/98	Turbine/Gen Overhaul	844