

One Energy Place
Tallahassee, Florida 32320

850 444 6111



October 16, 1998

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0870

Dear Ms. Bayo:

RE: COMMISSION STAFF'S MINIMUM FILING REQUIREMENTS IN SUPPORT
OF THE MONTHLY FUEL AND PURCHASED POWER COST RECOVERY
CHARGE IN DOCKET NO. 980001-EI

Attached are the Actual Unit Performance Data Schedules and
the Actual Unit Outage Data Schedules for September, 1998,
Retail Cost Recovery Charges for Plant Crist, Plant Smith, and
Plant Daniel. These schedules are being sent separate from
the monthly filing.

Sincerely,

Susan D. Cranmer

Susan D. Cranmer
Assistant Secretary and Assistant Treasurer

- CK _____
- FA Dordine
- PP _____
- AF _____
- MU _____
- TR _____
- AG 1
- EG 1
- IN 3
- JPC _____
- RCH _____
- SEC 1
- WAS _____
- OTH _____

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Attachment

cc: Florida Public Service Commission
Sid Matlock

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

CRIST 6	Apr 98	May 98	Jun 98	Jul 98	Aug 98	Sep 98	Total
1. EAF (%)	61.2	95.1	92.0	97.7	100.0	89.2	89.3
2. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3. SH	464.6	709.7	662.8	730.2	744.0	681.1	3992.4
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	254.4	34.3	57.2	13.8	0.0	38.9	398.6
6. POH	253.7	0.0	0.0	0.0	0.0	0.0	253.7
7. FOH	0.7	34.3	57.2	0.0	0.0	38.9	131.1
8. MOH	0.0	0.0	0.0	13.8	0.0	0.0	13.8
9. PFOH	93.9	6.7	0.2	12.8	0.9	106.3	220.8
10. LR pf (MW)	82.6	110.2	191.0	80.6	50.6	116.1	99.4
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
14. Oper MBtu	1081461.0	1775066.0	1697944.0	1972769.0	1973270.0	1635838.0	10136348.0
15. Net Gen (MWH)	102337.0	169835.0	160682.0	184127.0	180910.0	151770.0	949661.0
16. ANOHR (Btu/KWH)	10568.0	10452.0	10567.0	10714.0	10907.0	10778.0	10674.0
17. NOF %	69.5	75.5	76.5	79.5	76.7	70.3	75.0
18. NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
19. ANOHR Equation	$10^6 / \text{AKW} * [593.85 - 27.74 * \text{JAN} - 40.10 * \text{MAR} + 30.09 * \text{JUL} + 26.73 * \text{AUG} - 25.29 * \text{OCT}]$ $+ 5.067 + 0.01123 * \text{LSRF} / \text{AKW}$						

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

CRIST 7	Apr 98	May 98	Jun 98	Jul 98	Aug 98	Sep 98	Total
1. EAF (%)	96.5	98.3	75.7	94.5	76.9	82.1	87.4
2. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3. SH	696.7	739.2	557.7	712.1	577.9	641.1	3924.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	22.3	4.8	162.3	31.9	166.1	78.9	466.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	22.3	4.8	162.3	0.0	166.1	78.9	434.4
8. MOH	0.0	0.0	0.0	31.9	0.0	0.0	31.9
9. PFOH	13.6	46.1	58.7	41.1	70.9	305.2	535.6
10. LR pf (MW)	113.6	88.7	108.1	112.0	42.5	82.9	83.8
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
14. Oper MBtu	3231604.0	3526223.0	2456547.0	3175047.0	2505083.0	2678460.0	17572964.0
15. Net Gen (MWH)	315480.0	335210.0	240340.0	312843.0	242403.0	258743.0	1705019.0
16. ANOHR (Btu/KWH)	10243.0	10519.0	10221.0	10149.0	10334.0	10352.0	10307.0
17. NOF %	89.8	90.0	85.5	87.2	83.2	80.1	86.2
18. NPC (M ³)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
19. ANOHR Equation	$10^{-6} / AKW * [276.36 + 63.12 * MAY + 69.54 * JUL]$ $+ 9,621$						

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

SMITH I	Apr '98	May '98	Jun '98	Jul '98	Aug '98	Sep '98	Total
1. EAF (%)	99.8	99.7	70.0	99.9	99.9	78.5	91.4
2. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3. SH	719.0	744.0	504.1	744.0	744.0	567.6	4022.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	0.0	0.0	215.9	0.0	0.0	152.4	368.3
6. POH	0.0	0.0	215.9	0.0	0.0	152.4	368.3
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	9.5	12.8	0.0	24.6	2.2	14.3	63.4
10. LR pf (MW)	26.7	26.0	0.0	2.7	42.4	26.1	17.7
11. PMOH	1.2	0.0	0.0	0.0	0.0	0.0	1.2
12. LR pm (MW)	26.0	0.0	0.0	0.0	0.0	0.0	26.0
13. NSC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
14. Oper MBtu	1048591.0	1178882.0	788134.0	1177990.0	1165018.0	875455.0	6234070.0
15. Net Gen (MWH)	103185.0	114787.0	77397.0	115257.0	114945.0	85742.0	611313.0
16. ANOHR (Btu/KWH)	10162.0	10270.0	10183.0	10221.0	10135.0	10210.0	10198.0
17. NOF %	89.1	95.8	95.4	96.2	96.0	93.8	94.4
18. NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
19. ANOHR Equation	$10^6 / AKW * [69.20 + 18.16 * JAN + 12.44 * FEB + 15.12 * MAR - 8.67 * MAY + 10.92 * JUN]$ + 9,744						

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

SMITH 2	Apr '98	May '98	Jun '98	Jul '98	Aug '98	Sep '98	Total
1. EAF (%)	0.0	21.5	97.8	93.4	99.8	100.0	65.8
2. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3. SH	0.0	184.9	707.2	737.7	744.0	720.0	3093.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	719.0	559.1	12.8	6.3	0.0	0.0	1297.2
6. POH	719.0	331.5	0.0	0.0	0.0	0.0	1050.5
7. FOH	0.0	227.6	12.8	6.3	0.0	0.0	246.7
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	0.0	51.1	6.5	94.5	9.9	0.0	162.0
10. LR pf (MW)	0.0	92.8	14.1	86.1	21.8	0.0	81.4
11. PMOH	0.0	0.0	8.3	0.0	0.0	0.0	8.3
12. LR pm (MW)	0.0	0.0	60.0	0.0	0.0	0.0	60.0
13. NSC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
14. Oper MBtu	105.0	270373.0	1316452.0	1293595.0	1379711.0	1307649.0	5567885.0
15. Net Gen (MWH)	0.0	25830.0	131525.0	129034.0	137943.0	131676.0	556008.0
16. ANOHR (Btu/KWH)	0.0	10467.0	10009.0	10025.0	10002.0	9931.0	10014.0
17. NOF %	0.0	73.1	97.4	91.6	97.1	95.8	94.1
18. NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19. ANOHR Equation	$10^6 / \text{AKW} * [-18.22 + 16.52 * \text{MAR} - 13.41 * \text{MAY} - 22.58 * \text{SEP} - 13.92 * \text{NOV}]$ + 10,446						

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

DANIEL 1	Apr 98	May 98	Jun 98	Jul 98	Aug 98	Sep 98	Total
1. EAF (%)	85.2	98.0	95.5	83.4	97.7	34.0	82.5
2. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3. SH	626.8	744.0	720.0	668.5	744.0	261.5	3764.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	92.2	0.0	0.0	75.5	0.0	458.5	626.2
6. POH	0.0	0.0	0.0	0.0	0.0	458.5	458.5
7. FOH	92.2	0.0	0.0	3.4	0.0	0.0	95.6
8. MOH	0.0	0.0	0.0	72.1	0.0	0.0	72.1
9. PFOH	155.2	138.9	470.4	482.7	202.8	230.7	1680.7
10. LR pf (MW)	44.0	50.9	32.6	47.2	40.0	35.0	40.6
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0
14. Oper MBtu	2581545.0	3144341.0	3014237.0	2761421.0	3261113.0	1190020.0	15952677.0
15. Net Gen (MWH)	247583.0	303498.0	285918.0	263368.0	312346.0	114365.0	1527078.0
16. ANOHR (Btu/KWH)	10427.0	10360.0	10542.0	10485.0	10441.0	10405.0	10447.0
17. NOF %	82.8	85.5	83.3	82.6	88.0	91.7	85.0
18. NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0
19. ANOHR Equation	$10^{-6} / AKW * [-103.81 - 44.15 * MAR - 40.19 * NOV]$ $+ 12,196 - 0.00343 * LSRF / AKW$						

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1998 - September 1998

DANIEL 2		Apr 98	May 98	Jun 98	Jul 98	Aug 98	Sep 98	Total
1.	EAF (%)	65.8	88.6	79.8	91.5	78.6	72.7	79.6
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	498.7	723.0	636.5	744.0	645.9	589.5	3837.6
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	220.3	21.0	83.5	0.0	98.1	130.5	553.4
6.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	FOH	0.0	0.0	0.0	0.0	98.1	130.5	228.6
8.	MOH	220.3	21.0	83.5	0.0	0.0	0.0	324.8
9.	PFOH	208.0	639.0	630.8	587.6	592.7	497.0	3155.1
10.	LR pf (MW)	58.7	47.7	47.1	51.1	49.0	63.7	51.7
11.	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	NSC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0
14.	Oper Mbtu	2082081.0	3075589.0	2787431.0	3270805.0	2799693.0	2454414.0	16470013.0
15.	Net Gen (MWH)	204942.0	301482.0	268711.0	310738.0	265423.0	233899.0	1585195.0
16.	ANOHR (Btu/KWH)	10159.0	10202.0	10373.0	10526.0	10548.0	10493.0	10390.0
17.	NOF %	86.2	87.4	88.5	87.6	86.1	83.2	86.6
18.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0
19.	ANOHR Equation	$10^6 / AKW * [218.47 + 30.22 * MAY + 42.12 * SEP]$ $+ 9.738$						

ACTUAL UNIT OUTAGE DATA

GULF POWER COMPANY

September, 1998

Crist 6

DATE	OUTAGE	HOURS	(MW)	DESCRIPTION
	TYPE *		AFFECTED	
09/03	PFO	0.4	67	Service Water Flow Problems
09/07	FFO	12.3	317	Main Steam Piping Problem
09/08	PFO	4.3	53	Foreign Object In Pulverizer Mill
09/17	FFO	26.6	317	Boiler Tube Leak - Furnace Wall
09/19	PFO	11.2	117	Cooling Tower Booster Motor Problem
09/19	PFO	3.8	67	Cooling Tower Booster Motor Problem
09/19	PFO	68.3	122	Condenser Vacuum Problem
09/25	PFO	13.0	92	Pulverizer Mill Problem
09/30	PFO	5.2	191	Precipitator Fouling
09/30	PFO	0.2	73	Pulverizer Control System Problem

- * FFO - Full Forced Outage
- PFO - Partial Forced Outage
- FMO - Full Maintenance Outage
- PMO - Partial Maintenance Outage
- PO - Planned Outage

ACTUAL UNIT OUTAGE DATA

GULF POWER COMPANY

September, 1998

Crist 7

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
09/01	PFO	6.1	54	Low Btu Coal
09/01	PFO	34.3	97	Pulverizer Inspection
09/03	PFO	105.8	76	Pulverizer Mill Problem
09/07	PFO	7.8	61	Pulverizer Mill Problem
09/07	PFO	13.8	44	Pulverizer Mill Problem
09/09	FFO	29.7	504	Boiler Tube Leak - Furnace Wall
09/11	PFO	3.9	30	Low Btu Coal
09/11	PFO	4.0	40	Low Btu Coal
09/12	PFO	8.9	30	Low Btu Coal
09/13	FFO	49.3	504	Boiler Tube Leak - Furnace Wall
09/16	PFO	0.8	59	Foreign Object In Pulverizer Mill
09/17	PFO	0.4	20	Low Btu Coal
09/17	PFO	0.4	30	Low Btu Coal
09/17	PFO	2.7	40	Low Btu Coal
09/17	PFO	2.6	30	Low Btu Coal
09/17	PFO	1.2	40	Low Btu Coal
09/17	PFO	5.5	49	Low Btu Coal
09/18	PFO	0.8	20	Low Btu Coal
09/18	PFO	0.2	29	Low Btu Coal
09/18	PFO	16.3	40	Condenser Vacuum Problem
09/19	PFO	2.5	30	Condenser Vacuum Problem
09/19	PFO	11.7	30	Condenser Vacuum Problem
09/20	PFO	7.7	30	Condenser Vacuum Problem
09/21	PFO	4.8	25	Condenser Vacuum Problem
09/21	PFO	22.7	344	Condenser Tube Leak
09/22	PFO	4.2	30	Low Btu Coal
09/27	PFO	3.4	30	Condenser Vacuum Problem
09/28	PFO	3.8	30	Condenser Vacuum Problem
09/28	PFO	10.5	20	Condenser Vacuum Problem
09/29	PFO	1.8	127	Foreign Object In Pulverizer Mill
09/29	PFO	6.9	88	Pulverizer Mill Problem
09/29	PFO	1.9	30	Wet Coal Problem
09/29	PFO	8.3	88	Pulverizer Mill Problem

* FFO - Full Forced Outage

PFO - Partial Forced Outage

FMO - Full Maintenance Outage

PMO - Partial Maintenance Outage

PO - Planned Outage

ACTUAL UNIT OUTAGE DATA

GULF POWER COMPANY

September, 1998

Smith 1

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
09/02	PFO	0.2	26	Pulverizer Feeder Problem
09/05	PFO	0.2	21	Pulverizer Feeder Problem
09/15	PFO	6.3	31	Pulverizer Fire
09/17	PFO	1.5	26	Foreign Object In Pulverizer Mill
09/18	PO	152.5	161	Boiler Inspection
09/27	PFO	1.5	29	Pulverizer Fire
09/29	PFO	4.7	19	Wet Coal Problem

* FFO - Full Forced Outage
PFO - Partial Forced Outage
FMO - Full Maintenance Outage
PMO - Partial Maintenance Outage
PO - Planned Outage

ACTUAL UNIT OUTAGE DATA

GULF POWER COMPANY

September, 1998

Smith 2

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
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No Events This Month

- * FFO - Full Forced Outage
- PFO - Partial Forced Outage
- FMO - Full Maintenance Outage
- PMO - Partial Maintenance Outage
- PO - Planned Outage

ACTUAL UNIT OUTAGE DATA

GULF POWER COMPANY

September, 1998

Daniel 2

DATE	OUTAGE TYPE *	HOURS	(MW)		DESCRIPTION
			AFFECTED		
08/31	PFO	3.8	205		RATA Testing
09/01	PFO	78.6	50		Induced Draft Fan Problem
09/04	FFO	77.3	477		Boiler Tube Leak - Economizer
09/08	PFO	7.9	57		Stack Opacity
09/08	PFO	13.5	49		Induced Draft Fan Problem
09/12	PFO	1.8	125		Pulverizer Feeder Problem
09/12	PFO	111.6	52		Induced Draft Fan Problem
09/17	PFO	1.3	147		Wet Coal Problem
09/17	PFO	23.2	62		Induced Draft Fan Problem
09/18	PFO	1.6	65		Boiler Control System Problem
09/18	PFO	24.0	55		Induced Draft Fan Problem
09/19	PFO	0.2	99		Pulverizer Coal Leak
09/19	PFO	4.8	60		Induced Draft Fan Problem
09/19	PFO	3.9	77		Boiler Control System Problem
09/19	PFO	0.6	60		Induced Draft Fan Problem
09/19	PFO	101.8	65		Wet Coal Problem
09/23	PFO	118.3	80		Wet Coal Problem
09/28	FFO	53.2	477		Wet Coal Problem

- * FFO - Full Forced Outage
- PFO - Partial Forced Outage
- FMO - Full Maintenance Outage
- PMO - Partial Maintenance Outage
- PO - Planned Outage