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10 MAY 18 AM 10:42

COMMISSION  
CLERK



May 17, 2010

Ms. Ann Cole, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee FL 32399-0850

Dear Ms. Cole:

RE: COMMISSION STAFF'S MINIMUM FILING REQUIREMENTS IN  
SUPPORT OF THE MONTHLY FUEL AND PURCHASED POWER COST  
RECOVERY CHARGE IN DOCKET NO. 100001-EI

Enclosed are an original and ten copies of Gulf Power Company's Actual Unit Performance Data Schedules and the Actual Unit Outage Data Schedules through April 2010, Retail Cost Recovery Charges for Plant Crist, Plant Smith, and Plant Daniel. These schedules are being sent separate from the monthly filing.

Sincerely,

*Susan Ritenour (LWP)*

vm

COM \_\_\_\_\_  
APA \_\_\_\_\_  
FCR \_\_\_\_\_  
GCL \_\_\_\_\_  
RAD \_\_\_\_\_  
RSC \_\_\_\_\_  
ADM \_\_\_\_\_  
OPC \_\_\_\_\_  
CLK \_\_\_\_\_

Enclosures

cc w/attachment: Florida Public Service Commission  
Sid Matlock

DOCUMENT NUMBER-DATE

04179 MAY 18 09

FPSC-COMMISSION CLERK

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

CRIST 4	Jan '10	Feb '10	Mar '10	Apr '10									
1. EAF (%)	100.0	100.0	99.8	100.0									
2. PH	744.0	672.0	743.0	720.0									
3. SH	744.0	533.4	218.8	149.1									
4. RSH	0.0	138.6	524.2	570.9									
5. UH	0.0	0.0	0.0	0.0									
6. POH	0.0	0.0	0.0	0.0									
7. FOH	0.0	0.0	0.0	0.0									
8. MOH	0.0	0.0	0.0	0.0									
9. PFOH	0.0	0.0	4.8	0.0									
10. LR pf (MW)	0.0	0.0	20.0	0.0									
11. PMOH	0.0	0.0	0.0	0.0									
12. LR pm (MW)	0.0	0.0	0.0	0.0									
13. NSC (MW)	75.0	75.0	75.0	75.0									
14. Oper MBtu	521640.0	349400.0	127174.0	82703.0									
15. Net Gen (MWH)	46518.0	30015.0	10990.0	7496.0									
16. ANOHR (Btu/KWH)	11214.0	11641.0	11572.0	11033.0									
17. NOF %	83.4	75.0	67.0	67.0									
18. NPC (MW)	75.0	75.0	75.0	75.0									
19. ANOHR Equation	$10^6 / AKW * [ 1360.90 - 26.57 * JAN - 25.71 * FEB - 43.72 * APR - 33.69 * MAY + 17.95 * AUG - 17.31 * NOV ]$ $-35180 + 0.37811 * LSRF / AKW$												

DOCUMENT NUMBER-DATE

04179 MAY 18 09

FPSC-COMMISSIONER

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	Jan '10	Feb '10	Mar '10	Apr '10									
CRIST 5													
1. EAF (%)	100.0	99.9	100.0	100.0									
2. PH	744.0	672.0	743.0	720.0									
3. SH	744.0	672.0	743.0	720.0									
4. RSH	0.0	0.0	0.0	0.0									
5. UH	0.0	0.0	0.0	0.0									
6. POH	0.0	0.0	0.0	0.0									
7. FOH	0.0	0.0	0.0	0.0									
8. MOH	0.0	0.0	0.0	0.0									
9. PFOH	1.3	0.6	0.0	0.0									
10. LR pf (MW)	15.0	50.0	0.0	0.0									
11. PMOH	0.0	0.0	0.0	0.0									
12. LR pm (MW)	0.0	0.0	0.0	0.0									
13. NSC (MW)	75.0	75.0	75.0	75.0									
14. Oper MBtu	510627.0	437384.0	433460.0	380116.0									
15. Net Gen (MWH)	45417.0	38776.0	39631.0	33013.0									
16. ANOHR (Btu/KWH)	11243.0	11280.0	10937.0	11514.0									
17. NOF %	81.4	76.9	71.1	61.1									
18. NPC (MW)	75.0	75.0	75.0	75.0									
19. ANOHR Equation	$10^6 / AKW * [ 68.22 + 26.89 * MAR + 21.84 * MAY + 29.87 * JUN + 31.73 * JUL + 49.76 * AUG + 33.72 * SEP + 15.55 * OCT ]$ + 9,414												

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	CRIST 6	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	100.0	95.0	100.0	100.0									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	744.0	566.3	214.1	284.5									
4.	RSH	0.0	73.7	528.9	435.5									
5.	UH	0.0	32.0	0.0	0.0									
6.	POH	0.0	0.0	0.0	0.0									
7.	FOH	0.0	0.0	0.0	0.0									
8.	MOH	0.0	32.0	0.0	0.0									
9.	PFOH	0.0	1.9	0.0	0.0									
10.	LR pf (MW)	0.0	266.0	0.0	0.0									
11.	PMOH	0.0	0.0	0.0	0.0									
12.	LR pm (MW)	0.0	0.0	0.0	0.0									
13.	NSC (MW)	291.0	291.0	291.0	291.0									
14.	Oper MBtu	1666272.0	1212518.0	440197.0	493158.0									
15.	Net Gen (MWH)	152252.0	106646.0	39225.0	43023.0									
16.	ANOHR (Btu/KWH)	10944.0	11370.0	11222.0	11463.0									
17.	NOF %	70.3	64.7	63.0	52.0									
18.	NPC (MW)	291.0	291.0	291.0	291.0									
19.	ANOHR Equation	$10^6 / AKW * [ 296.07 - 47.17 * FEB - 87.78 * NOV ]$ + 9,538												

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	CRIST 7	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	85.0	100.0	99.1	83.7									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	708.7	672.0	743.0	621.7									
4.	RSH	0.0	0.0	0.0	0.0									
5.	UH	35.3	0.0	0.0	98.3									
6.	POH	0.0	0.0	0.0	0.0									
7.	FOH	35.3	0.0	0.0	0.0									
8.	MOH	0.0	0.0	0.0	98.3									
9.	PFOH	169.4	0.0	16.9	65.4									
10.	LR pf (MW)	209.2	0.0	152.7	137.0									
11.	PMOH	0.0	0.0	2.5	0.0									
12.	LR pm (MW)	0.0	0.0	185.0	0.0									
13.	NSC (MW)	465.0	465.0	465.0	465.0									
14.	Oper MBtu	2677872.0	2494523.0	2380779.0	1993199.0									
15.	Net Gen (MWH)	250317.0	242776.0	224450.0	188323.0									
16.	ANOHR (Btu/KWH)	10698.0	10275.0	10607.0	10584.0									
17.	NOF %	76.0	77.7	65.0	65.1									
18.	NPC (MW)	465.0	465.0	465.0	465.0									
19.	ANOHR Equation	$10^6 / AKW * [ 173.73 + 162.82 * MAR + 163.38 * APR + 110.30 * MAY + 180.34 * JUN + 70.53 * JUL + 158.99 * AUG + 84.09 * SEP ]$ $+ 10,050$												

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 1	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	97.9	99.7	99.9	59.3									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	744.0	672.0	743.0	426.9									
4.	RSH	0.0	0.0	0.0	0.0									
5.	UH	0.0	0.0	0.0	293.1									
6.	POH	0.0	0.0	0.0	0.0									
7.	FOH	0.0	0.0	0.0	18.6									
8.	MOH	0.0	0.0	0.0	274.5									
9.	PFOH	28.6	18.2	0.6	0.0									
10.	LR pf (MW)	87.3	16.0	163.0	0.0									
11.	PMOH	0.0	0.0	0.0	0.0									
12.	LR pm (MW)	0.0	0.0	0.0	0.0									
13.	NSC (MW)	162.0	162.0	162.0	162.0									
14.	Oper MBtu	996634.0	874274.0	785457.0	420580.0									
15.	Net Gen (MWH)	94090.0	82163.0	73148.0	38998.0									
16.	ANOHR (Btu/KWH)	10592.0	10641.0	10738.0	10785.0									
17.	NOF %	78.1	75.5	60.8	56.4									
18.	NPC (MW)	162.0	162.0	162.0	162.0									
19.	ANOHR Equation	$10^6 / AKW * [ 687.91 - 14.60 * MAY + 14.79 * JUL - 15.35 * SEP - 8.29 * OCT ]$ $+ 84 + 0.03669 * LSRF / AKW$												

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 2	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	100.0	99.7	93.5	77.4									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	744.0	672.0	455.2	419.0									
4.	RSH	0.0	0.0	239.8	138.2									
5.	UH	0.0	0.0	48.0	162.8									
6.	POH	0.0	0.0	0.0	0.0									
7.	FOH	0.0	0.0	0.0	0.0									
8.	MOH	0.0	0.0	48.0	162.8									
9.	PFOH	0.0	12.7	53.3	0.6									
10.	LR pf (MW)	0.0	23.5	0.0	35.0									
11.	PMOH	0.0	3.0	0.0	0.0									
12.	LR pm (MW)	0.0	30.0	0.0	0.0									
13.	NSC (MW)	195.0	195.0	195.0	195.0									
14.	Oper MBtu	1144923.0	963384.0	589034.0	395158.0									
15.	Net Gen (MWH)	107900.0	93041.0	55953.0	36176.0									
16.	ANOHR (Btu/KWH)	10611.0	10354.0	10527.0	10923.0									
17.	NOF %	74.4	71.0	63.0	44.3									
18.	NPC (MW)	195.0	195.0	195.0	195.0									
19.	ANOHR Equation	$10^6 / AKW * [ 104.09 + 19.47 * JAN + 30.73 * JUN + 21.41 * JUL + 14.11 * AUG ]$ $+ 9,055 + 0.00351 * LSRF / AKW$												

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	DANIEL 1	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	95.7	74.7	0.0	27.2									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	720.1	452.8	0.0	142.7									
4.	RSH	0.0	51.2	0.0	55.6									
5.	UH	23.9	168.0	743.0	521.7									
6.	POH	0.0	168.0	743.0	402.7									
7.	FOH	0.0	0.0	0.0	119.0									
8.	MOH	23.9	0.0	0.0	0.0									
9.	PFOH	27.8	8.3	0.0	10.9									
10.	LR pf (MW)	134.6	57.6	0.0	130.0									
11.	PMOH	2.0	6.0	0.0	0.0									
12.	LR pm (MW)	155.0	102.0	0.0	0.0									
13.	NSC (MW)	510.0	510.0	510.0	510.0									
14.	Oper MBtu	2730266.0	1108131.0	0.0	473304.0									
15.	Net Gen (MWH)	256697.0	100628.0	0.0	41348.0									
16.	ANOHR (Btu/KWH)	10636.0	11012.0	0.0	11447.0									
17.	NOF %	69.9	43.6	0.0	56.8									
18.	NPC (MW)	510.0	510.0	510.0	510.0									
19.	ANOHR Equation	$10^6 / AKW * [ 1634.36 + 42.82 * JAN + 46.68 * MAY ]$ $+ 2.345 + 0.00898 * LSRF / AKW$												



ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	DANIEL 2	Jan '10	Feb '10	Mar '10	Apr '10									
1.	EAF (%)	99.6	91.8	53.7	94.3									
2.	PH	744.0	672.0	743.0	720.0									
3.	SH	744.0	622.4	399.2	645.6									
4.	RSH	0.0	0.0	0.0	35.4									
5.	UH	0.0	49.6	343.8	39.0									
6.	POH	0.0	49.6	343.8	0.0									
7.	FOH	0.0	0.0	0.0	0.0									
8.	MOH	0.0	0.0	0.0	39.0									
9.	PFOH	22.3	20.9	3.8	48.9									
10.	LR pf (MW)	62.0	128.3	50.0	0.0									
11.	PMOH	0.0	0.0	0.0	2.9									
12.	LR pm (MW)	0.0	0.0	0.0	350.0									
13.	NSC (MW)	510.0	510.0	510.0	510.0									
14.	Oper MBtu	2755224.0	1505154.0	952300.0	1485750.0									
15.	Net Gen (MWH)	267470.0	140250.0	84433.0	133749.0									
16.	ANOHR (Btu/KWH)	10301.0	10732.0	11279.0	11108.0									
17.	NOF %	70.5	44.2	41.5	40.6									
18.	NPC (MW)	510.0	510.0	510.0	510.0									
19.	ANOHR Equation	$10^6 / AKW * [ 1662.56 - 88.78 * JAN - 74.02 * FEB - 93.64 * MAR + 51.38 * AUG + 58.75 * SEP ]$ $+ 2,870 + 0.00738 * LSRF / AKW$												



**ACTUAL UNIT OUTAGE DATA**

**GULF POWER COMPANY**

April, 2010

Crist 5

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
				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

April, 2010

Crist 6

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
				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

April, 2010

Daniel 1

DATE	OUTAGE	HOURS	(MW)	DESCRIPTION
	TYPE *		AFFECTED	
02/22	PO	398.7	510.0	Turbine Overhaul
04/17	PO	4.0	510.0	Turbine Overspeed Trip Test
04/18	FFO	119.0	510.0	Turbine Bearings
04/25	PMO	10.9	130.0	Main Steam Relief/Safety Valve

\* 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

April, 2010

Daniel 2

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
04/08	PFO	3.6	30.0	Pulverizer Mill Problem
04/13	PMO	2.9	350.0	Condenser Tube Leaks
04/23	PFO	5.2	62.0	Pulverizer Feeder Problem
04/27	FMO	38.6	510.0	Feedwater Valve Problem

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