



Rhonda J. Alexander  
Manager  
Regulatory, Forecasting & Pricing

One Energy Place  
Pensacola, FL 32520-0780  
850 444 6743 tel  
850 444 6026 fax  
rjalexad@southernco.com

June 20, 2018

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

Re: Commission Staff's minimum filing requirements in support of the Monthly Fuel and Purchased Power Cost Recovery Charge in Docket No. 20180001-EI.

Dear Ms. Stauffer:

Attached for official filing is Gulf Power Company's Actual Unit Performance Data Schedules and the Actual Unit Outage Data Schedules for May 2018, Retail Cost Recovery Charges for Plant Crist, Plant Smith, Plant Scherer, and Plant Daniel. These schedules are being sent separate from the monthly fuel filing.

Sincerely,

A handwritten signature in blue ink that reads "Rhonda J. Alexander".

Rhonda J. Alexander  
Regulatory, Forecasting and Pricing Manager

md

Attachment

cc w/attachment: Florida Public Service Commission  
Michael C. Barrett

**ACTUAL UNIT PERFORMANCE DATA**

**GULF POWER COMPANY**

**PERIOD OF: January 2018 - December 2018**

CRIST 7	Jan '18	Feb '18	Mar '18	Apr '18	May '18								
1. EAF (%)	47.4	39.3	0.0	0.0	70.8								
2. PH	744	672	743	720	744								
3. SH	352.7	120.1	0.0	0.0	576.8								
4. RSH	0.0	144.0	0.0	0.0	0.0								
5. UH	391.3	407.9	743.0	720.0	167.3								
6. POH	0.0	0.0	695.0	720.0	16.4								
7. FOH	0.0	0.0	0.0	0.0	114.6								
8. MOH	391.3	407.9	48.0	0.0	36.3								
9. PFOH	0.0	0.0	0.0	0.0	125.1								
10. LR pf (MW)	0.0	0.0	0.0	0.0	190.0								
11. PMOH	0.0	0.0	0.0	0.0	0.0								
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0								
13. NSC (MW)	475	475	475	475	475								
14. Oper MBtu	1,441,253	407,093	0	0	1,791,218								
15. Net Gen (MWH)	139,399	39,765	0	0	175,139								
16. ANOHR (Blw/KWH)	10,339	10,237	0	0	10,227								
17. NOF %	83.2	69.7	0.0	0.0	63.9								
18. NPC (MW)	475	475	475	475	475								
19. ANOHR Equation	$10^6 / AKW * [ 330.88 - 62.20 * JAN - 68.36 * FEB - 48.28 * MAR - 28.26 * NOV ]$ $+ 9,711 - 0.00043 * LSRF / AKW$												

**ACTUAL UNIT PERFORMANCE DATA**

**GULF POWER COMPANY**

**PERIOD OF: January 2018 - December 2018**

	Jan '18	Feb '18	Mar '18	Apr '18	May '18								
1.	SCHERER 3	99.2	100.0	93.0	99.9	68.6							
2.	PH	744	672	743	720	744							
3.	SH	738.4	672.0	691.1	720.0	523.0							
4.	RSH	0.0	0.0	0.0	0.0	0.0							
5.	UH	5.7	0.0	51.9	0.0	221.0							
6.	POH	0.0	0.0	0.0	0.0	0.0							
7.	FOH	5.7	0.0	0.0	0.0	0.0							
8.	MOH	0.0	0.0	51.9	0.0	221.0							
9.	PFOH	0.0	0.0	0.0	1.7	26.2							
10.	LR pf (MW)	0.0	0.0	0.0	359.0	420.1							
11.	PMOH	0.0	0.0	0.0	0.0	0.0							
12.	LR pm (MW)	0.0	0.0	0.0	0.0	0.0							
13.	NSC (MW)	860	860	860	860	860							
14.	Oper MBtu	4,429,003	2,667,757	2,789,037	3,586,414	2,860,627							
15.	Net Gen (MWH)	419,053	238,089	255,178	327,050	291,198							
16.	ANOHR (Btu/KWH)	10,569	11,205	10,930	10,966	9,824							
17.	NOF %	66.0	41.2	42.9	52.8	64.7							
18.	NPC (MW)	860	860	860	860	860							
19.	ANOHR Equation	$10^6 / AKW * [ 532.42 - 83.71 * MAR + 152.71 * MAY ]$ $+ 9.692$											

**ACTUAL UNIT PERFORMANCE DATA**

**GULF POWER COMPANY**

**PERIOD OF: January 2018 - December 2018**

<b>SMITH 3</b>	<b>Jan '18</b>	<b>Feb '18</b>	<b>Mar '18</b>	<b>Apr '18</b>	<b>May '18</b>								
1. <b>EAF (%)</b>	98.8	99.8	96.5	100.0	63.1								
2. <b>PH</b>	744	672	743	720	744								
3. <b>SH</b>	744.0	672.0	725.5	720.0	512.0								
4. <b>RSH</b>	0.0	0.0	0.0	0.0	0.0								
5. <b>UH</b>	0.0	0.0	17.5	0.0	232.0								
6. <b>POH</b>	0.0	0.0	0.0	0.0	232.0								
7. <b>LOH</b>	0.0	0.0	0.0	0.0	0.0								
8. <b>MOH</b>	0.0	0.0	17.5	0.0	0.0								
9. <b>PFOH</b>	3.1	3.3	0.0	0.0	0.0								
10. <b>LR pf (MW)</b>	150.3	276.0	0.0	0.0	0.0								
11. <b>PAOH</b>	17.5	0.0	18.2	0.0	98.1								
12. <b>LR pm (MW)</b>	276.0	0.0	276.0	0.0	250.0								
13. <b>NSC (MW)</b>	605	605	579	579	579								
14. <b>Oper MBtu</b>	2,601,148	2,236,889	2,507,998	2,566,410	1,542,872								
15. <b>Net Gen (MWH)</b>	373,295	324,932	362,844	382,271	223,987								
16. <b>ANOHR (Btu/KWH)</b>	6,968	6,884	6,912	6,714	6,888								
17. <b>NOF %</b>	82.9	79.9	86.4	91.7	75.6								
18. <b>NPC (MW)</b>	605	605	579	579	579								
19. <b>ANOHR Equation</b>	$10^6 / AKW * [ 144.47 + 12.50 * APR - 81.62 * OCT ]$ $+ 6.675$												

**ACTUAL UNIT PERFORMANCE DATA**

**GULF POWER COMPANY**

**PERIOD OF: January 2018 - December 2018**

	DANIEL I	Jan '18	Feb '18	Mar '18	Apr '18	May '18								
1.	EAF (%)	85.6	100.0	0.0	14.1	71.7								
2.	PH	744	672	743	720	744								
3.	SH	740.6	140.4	0.0	109.4	595.6								
4.	RSH	0.0	531.6	0.0	0.0	0.0								
5.	UH	3.4	0.0	743.0	610.6	148.4								
6.	POH	0.0	0.0	743.0	610.6	0.0								
7.	FOH	3.4	0.0	0.0	0.0	2.3								
8.	MOH	0.0	0.0	0.0	0.0	146.2								
9.	PFOH	575.9	0.0	0.0	0.0	12.5								
10.	LR pf (MW)	89.5	0.0	0.0	0.0	86.0								
11.	PMOH	1.3	0.0	0.0	109.4	511.6								
12.	LR pm (MW)	344.0	0.0	0.0	36.0	59.0								
13.	NSC (MW)	502	502	502	502	502								
14.	Oper MBtu	1,577,643	258,626	0	260,095	1,293,373								
15.	Net Gen (MWH)	139,431	24,250	0	20,350	112,543								
16.	ANOHR (Btu/KWH)	11,315	10,665	0	12,781	11,492								
17.	NOF %	37.5	34.4	0.0	37.0	37.6								
18.	NPC (MW)	502	502	502	502	502								
19.	ANOHR Equation	$10^6 / AKW * [ 481.17 + 92.71 * JAN + 85.98 * MAY ]$ $+ 8,753 + 0.00100 * LSRF / AKW$												

**ACTUAL UNIT PERFORMANCE DATA**

**GULF POWER COMPANY**

**PERIOD OF: January 2018 - December 2018**

	DANIEL 2	Jan '18	Feb '18	Mar '18	Apr '18	May '18								
1.	EAF (%)	98.6	100.0	74.2	93.0	93.8								
2.	PH	744	672	743	720	744								
3.	SH	535.4	166.3	65.3	142.6	744.0								
4.	RSH	208.6	505.7	485.7	544.8	0.0								
5.	UH	0.0	0.0	192.0	32.7	0.0								
6.	POH	0.0	0.0	192.0	24.0	0.0								
7.	FOH	0.0	0.0	0.0	8.7	0.0								
8.	MOH	0.0	0.0	0.0	0.0	0.0								
9.	PEOH	24.7	0.0	0.0	0.0	0.0								
10.	LR pf (MW)	211.7	0.0	0.0	0.0	0.0								
11.	PMOH	0.0	0.0	0.0	250.3	645.0								
12.	LR pm (MW)	0.0	0.0	0.0	36.0	36.0								
13.	NSC (MW)	502	502	502	502	502								
14.	Oper MBtu	1,360,872	310,868	161,298	299,595	1,786,874								
15.	Net Gen (MWH)	121,522	30,438	14,854	24,283	158,163								
16.	ANOHR (Btu/KWH)	11,199	10,213	10,859	12,338	11,298								
17.	NOF %	45.2	36.5	45.3	33.9	42.3								
18.	NPC (MW)	502	502	502	502	502								
19.	ANOHR Equation	$10^6 / AKW * [ 606.70 + 74.51 * JAN - 120.51 * FEB + 58.65 * MAY + 44.01 * JUN - 44.62 * SEP - 81.23 * OCT - 185.41 * NOV ] + 8.600$												

**ACTUAL UNIT OUTAGE DATA**

**GULF POWER COMPANY**

May, 2018

Crist 7

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
3/2/2018	PO	16.4	475.0	Major boiler outage.
5/1/2018	FFO	6.8	475.0	BFPT trip during start-up.
5/4/2018	FMO	36.3	475.0	Primary air shut off damper repair.
5/18/2018	FFO	35.8	475.0	Repair waterwall leak.
5/21/2018	FFO	8.9	475.0	Repair hydraulic leak on governor valve.
5/21/2018	FFO	5.0	475.0	Igniters tripped.
5/23/2018	FFO	58.2	475.0	Repair primary air seal at the air heater.
5/26/2018	PFO	125.1	190.0	BFPT bearing failed.

\* 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**

May, 2018

Smith 3

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
5/8/2018	PMO	5.6	250.0	Search for condenser tube leak.
5/12/2018	PMO	15.0	250.0	Search for condenser tube leak.
5/13/2018	PMO	30.4	250.0	Search for condenser tube leak.
5/15/2018	PMO	17.9	250.0	Search for condenser tube leak.
5/16/2018	PMO	9.2	250.0	Search for condenser tube leak.
5/16/2018	PO	232.0	579.0	Borescope inspections on gas turbines.
5/29/2018	PMO	12.0	250.0	IP economizer vent leak repair.
5/30/2018	PMO	8.1	250.0	Repair HP economizer piping leak.

\* 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

May, 2018

Daniel 1

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
4/26/2018	PMO	274.2	35.7	Low BTU coal.
5/6/2018	FFO	2.3	502.0	Faulty total air flow transmitter caused swing.
5/16/2018	FMO	146.2	502.0	Repair circulating water pump.
5/22/2018	PMO	237.4	86.0	Low BTU coal.
5/23/2018	PFO	3.8	86.0	Feeder plugged and tripped.
5/24/2018	PFO	4.3	86.0	Inspect a mill.
5/24/2018	PFO	1.2	86.0	Mill explosion door blew out.
5/27/2018	PFO	3.2	86.0	Replace broken feeder belt.

\* 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**

May, 2018

Daniel 2

DATE	OUTAGE TYPE *	HOURS	(MW) AFFECTED	DESCRIPTION
4/20/2018	PMO	266.5	36.0	Low BTU coal.
5/16/2018	PMO	378.6	36.0	Low BTU coal.

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

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Fuel and Purchased Power Cost** )  
**Recovery Clause with Generating** )  
**Performance Incentive Factor** )

Docket No.: **20180001-EI**

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 20th day of June, 2018 to the following:

Florida Public Utilities Company  
Florida Division of Chesapeake  
Utilities Corp  
Mike Cassel, Director  
Regulatory and Governmental Affairs  
1750 SW 14<sup>th</sup> Street, Suite 200  
Fernandina Beach, FL 32034  
[mcassel@fpuc.com](mailto:mcassel@fpuc.com)

PCS Phosphate – White Springs  
c/o Stone Mattheis Xenopoulos  
& Brew, P.C.  
James W. Brew/Laura A. Wynn  
Eighth Floor, West Tower  
1025 Thomas Jefferson St, NW  
Washington, DC 20007  
[jbrew@smxblaw.com](mailto:jbrew@smxblaw.com)  
[law@smxblaw.com](mailto:law@smxblaw.com)

Duke Energy Florida  
John T. Burnett  
Dianne M. Triplett  
299 First Avenue North  
St. Petersburg, FL 33701  
[Dianne.triplett@duke-energy.com](mailto:Dianne.triplett@duke-energy.com)  
[John.burnett@duke-energy.com](mailto:John.burnett@duke-energy.com)

Florida Power & Light Company  
John T. Butler  
Maria J. Moncada  
700 Universe Boulevard (LAW/JB)  
Juno Beach, FL 33408-0420  
[John.Butler@fpl.com](mailto:John.Butler@fpl.com)  
[Maria.moncada@fpl.com](mailto:Maria.moncada@fpl.com)

Florida Power & Light Company  
Kenneth Hoffman  
215 South Monroe Street,  
Suite 810  
Tallahassee, FL 32301-1858  
[Ken.Hoffman@fpl.com](mailto:Ken.Hoffman@fpl.com)

Ausley Law Firm  
James D. Beasley  
J. Jeffrey Wahlen  
Post Office Box 391  
Tallahassee, FL 32302  
[jbeasley@ausley.com](mailto:jbeasley@ausley.com)  
[jwahlen@ausley.com](mailto:jwahlen@ausley.com)

Gunster Law Firm  
Beth Keating  
215 South Monroe Street, Suite 601  
Tallahassee, FL 32301-1839  
[bkeating@gunster.com](mailto:bkeating@gunster.com)

Office of Public Counsel  
Patricia A. Christensen  
Associate Public Counsel  
c/o The Florida Legislature  
111 W. Madison Street, Room 812  
Tallahassee, FL 32399-1400  
[Christensen.patty@leg.state.fl.us](mailto:Christensen.patty@leg.state.fl.us)  
[Sayler.erik@leg.state.fl.us](mailto:Sayler.erik@leg.state.fl.us)

Duke Energy Florida, Inc.  
Matthew R. Bernier  
Cameron Cooper  
106 East College Avenue,  
Suite 800  
Tallahassee, FL 32301-7740  
[Matthew.bernier@duke-energy.com](mailto:Matthew.bernier@duke-energy.com)  
[Cameron.Cooper@duke-energy.com](mailto:Cameron.Cooper@duke-energy.com)

Florida Industrial Power Users Group  
c/o Moyle Law Firm  
Jon C. Moyle, Jr.  
118 North Gadsden Street  
Tallahassee, FL 32301  
[jmoyle@moylelaw.com](mailto:jmoyle@moylelaw.com)

Tampa Electric Company  
Ms. Paula K. Brown, Manager  
Regulatory Coordination  
P. O. Box 111  
Tampa, FL 33601-0111  
[Regdept@tecoenergy.com](mailto:Regdept@tecoenergy.com)

Office of the General Counsel  
Suzanne Brownless  
Danijela Janjic  
2540 Shumard Oak Blvd  
Tallahassee, FL 32399-0850  
[djanjic@psc.state.fl.us](mailto:djanjic@psc.state.fl.us)  
[sbrownle@psc.state.fl.us](mailto:sbrownle@psc.state.fl.us)  
[ASoete@psc.state.fl.us](mailto:ASoete@psc.state.fl.us)

Florida Retail Federation  
Robert Scheffel Wright  
John T. LaVia  
c/o Gardner Law Firm  
1300 Thomaswood Drive  
Tallahassee, FL 32308  
[schef@qbwlegal.com](mailto:schef@qbwlegal.com)  
[jlavia@qbwlegal.com](mailto:jlavia@qbwlegal.com)



**JEFFREY A. STONE**  
General Counsel  
Florida Bar No. 325953  
[jastone@southernco.com](mailto:jastone@southernco.com)  
Gulf Power Company  
One Energy Place  
Pensacola, FL 32520-0100  
(850) 444-6550

**RUSSELL A. BADDERS**  
Florida Bar No. 007455  
[rab@beggslane.com](mailto:rab@beggslane.com)  
**STEVEN R. GRIFFIN**  
Florida Bar No. 0627569  
[srg@beggslane.com](mailto:srg@beggslane.com)  
Beggs & Lane  
P. O. Box 12950  
Pensacola FL 32591-2950  
(850) 432-2451  
Attorneys for Gulf Power