

AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

July 19, 2019

VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

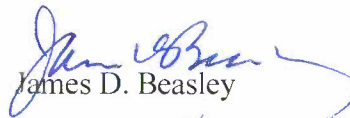
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20190007-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above docket is Tampa Electric Company's Solar Plant Operation Status Report for the month of June 2019, in accordance with the 2017 Amended and Restated Stipulation and Settlement Agreement in Docket No. 20170210-EI, as approved in Order No. PSC-2017-0456-S-EI, dated November 27, 2017.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Attachment

cc: All Parties of Record (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Solar Plant Operation Status Report, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 19th day of July 2019 to the following:

Mr. Charles W. Murphy
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
cmurphy@psc.state.fl.us

Mr. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0100
Russell.Badders@nexteraenergy.com

Mr. Matthew R. Bernier
Duke Energy Florida, Inc.
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
matthew.bernier@duke-energy.com

Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591
srg@beggslane.com

Ms. Dianne M. Triplett
Duke Energy Florida, Inc.
299 First Avenue North
St. Petersburg, FL 33701
dianne.triplett@duke-energy.com

Ms. Holly Henderson
Senior Manager Regulatory Affairs
Gulf Power Company
215 South Monroe Street, Suite 618
Tallahassee, FL 32301
Holly.Henderson@nexteraenergy.com

Ms. Maria Moncada
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
maria.moncada@fpl.com

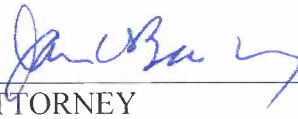
Ms. Patricia Christensen
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1858
ken.hoffman@fpl.com

Mr. Jon C. Moyle, Jr.
Moyle Law Firm
118 N. Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com
mqualls@moyle.law.com

Mr. James W. Brew
Ms. Laura A. Wynn
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
laura.wynn@smxblaw.com

Mr. George Cavros
Southern Alliance for Clean Energy
120 E. Oakland Park Blvd., Suite 105
Fort Lauderdale, FL 33334
george@cavros-law.com



ATTORNEY

Tampa Electric Company
SoBRA Projects
June 2019

Hour	System Retail Demand	Average Hourly Net Output (kWh)						
	(MW)	Payne Creek In Service	Balm In Service	Lithia In Service	Grange Hall In Service	Peace Creek In Service	Bonnie Mine In Service	Lake Hancock In Service
1	2,333	(182)	(215)	(172)	(166)	(132)	(101)	(141)
2	2,175	(182)	(215)	(172)	(167)	(132)	(101)	(141)
3	2,065	(180)	(214)	(172)	(167)	(133)	(101)	(141)
4	1,995	(180)	(216)	(171)	(167)	(132)	(101)	(141)
5	1,975	(178)	(215)	(171)	(166)	(132)	(101)	(141)
6	2,021	(179)	(215)	(171)	(167)	(136)	(101)	(141)
7	2,093	(71)	(102)	(36)	(36)	16	(16)	78
8	2,190	7,050	7,631	8,499	7,204	5,752	5,637	6,835
9	2,395	21,065	23,405	24,037	19,913	15,132	17,530	18,599
10	2,658	26,097	30,991	28,146	26,075	22,121	24,779	23,900
11	2,913	30,317	34,524	29,125	29,571	26,288	25,892	27,290
12	3,146	30,028	36,386	29,945	31,385	27,088	25,540	26,428
13	3,329	31,582	37,889	30,445	31,813	27,036	25,084	26,858
14	3,447	29,300	35,790	27,368	30,732	24,331	23,003	24,462
15	3,508	29,225	34,889	25,757	28,923	22,447	19,728	21,367
16	3,552	26,083	36,746	24,527	28,738	18,227	18,683	18,328
17	3,566	22,826	32,078	23,690	25,896	19,283	18,097	19,014
18	3,532	19,806	28,290	19,086	22,433	15,898	15,753	16,000
19	3,441	16,499	21,260	15,407	16,815	11,686	11,763	11,960
20	3,292	5,747	7,223	5,320	5,481	3,737	3,656	3,948
21	3,164	(227)	(271)	(210)	(130)	(125)	33	(140)
22	3,024	(177)	(217)	(173)	(168)	(136)	(101)	(140)
23	2,789	(172)	(213)	(168)	(167)	(134)	(101)	(141)
24	2,547	(176)	(214)	(168)	(168)	(136)	(101)	(141)

Tampa Electric Company
SoBRA Projects
June 2019

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	9,118	18.0	0.5	1,793,816
2 Balm	74.4	11,322	21.1	0.6	
3 Lithia	74.5	8,988	16.8	0.5	
4 Grange Hall	61.1	9,403	21.4	0.5	
5 Peace Creek	55.4	7,370	18.5	0.4	
6 Bonnie Mine	37.5	7,262	26.9	0.4	
7 Lake Hancock	49.6	7,556	21.2	0.4	
8 Total	422.8	61,019	20.0	3.4	

	Natural Gas Displaced (MCF)	Cost of NG ⁽²⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽²⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal (\$/Ton)
9 Payne Creek	29,035	3.52	0	NA	2,196	77.09
10 Balm	36,054	3.52	0	NA	2,727	77.09
11 Lithia	63,238	3.52	0	NA	230	77.09
12 Grange Hall	66,158	3.52	0	NA	241	77.09
13 Peace Creek	51,854	3.52	0	NA	189	77.09
14 Bonnie Mine	51,094	3.52	0	NA	186	77.09
15 Lake Hancock	53,163	3.52	0	NA	193	77.09
16 Total	350,596		0		5,962	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	4,377	1.0	0.9	0.003
18 Balm	5,435	1.2	1.1	0.003
19 Lithia	4,314	1.0	0.9	0.003
20 Grange Hall	4,513	1.0	0.9	0.003
21 Peace Creek	3,538	0.8	0.7	0.002
22 Bonnie Mine	3,486	0.8	0.7	0.002
23 Lake Hancock	3,627	0.8	0.8	0.002
24 Total	29,289	6.7	6.1	0.018

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	11,400	603,898	261,050	(73,443)	0	802,905
26 Balm	13,028	701,659	258,228	(75,422)	0	897,493
27 Lithia	14,863	714,300	266,762	(77,917)	0	918,008
28 Grange Hall	631	565,956	225,801	(54,292)	0	738,096
29 Peace Creek	0	508,767	186,396	(54,958)	0	640,205
30 Bonnie Mine	10,986	364,971	143,551	(42,411)	0	477,097
31 Lake Hancock	0	318,849	110,621	(50,637)	0	378,833
32 Total	50,908	3,778,400	1,452,409	(429,081)	0	4,852,636

NA Not applicable

(1) Net Generation data represents a calendar month. Negative generation represents station service.

(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.

(3) Fuel Cost per unit data from Schedule A3.

(4) Carrying Cost data represents return on average net investment.

(5) Capital Cost data represents depreciation expense on net investment.

(6) Other Cost data represents dismantlement costs and amortization on ITC. Dismantlement cost estimates will not be available until an updated dismantlement study is completed.

Tampa Electric Company
SoBRA Projects
Year-to-Date June 2019

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	65,114	21.3	0.7	9,479,459
2 Balm	74.4	70,931	21.9	0.7	
3 Lithia	74.5	63,411	19.6	0.7	
4 Grange Hall	61.1	53,063	20.1	0.6	
5 Peace Creek	55.4	41,920	25.8	0.4	
6 Bonnie Mine	37.5	36,949	25.8	0.4	
7 Lake Hancock	49.6	20,601	25.8	0.2	
8 Total	422.8	351,989	22.0	3.7	

	Natural Gas Displaced (MCF)	Cost of NG ⁽²⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽²⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
9 Payne Creek	207,348	3.70	0	NA	15,684	78.98
10 Balm	225,871	3.70	0	NA	17,085	78.98
11 Lithia	446,149	3.70	0	NA	1,623	78.98
12 Grange Hall	373,342	3.70	0	NA	1,358	78.98
13 Peace Creek	294,942	3.70	0	NA	1,073	78.98
14 Bonnie Mine	259,967	3.70	0	NA	946	78.98
15 Lake Hancock	144,945	3.70	0	NA	527	78.98
16 Total	1,952,563		0		38,294	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	31,255	7.2	6.5	0.019
18 Balm	34,047	7.8	7.1	0.021
19 Lithia	30,437	7.0	6.3	0.018
20 Grange Hall	25,470	5.8	5.3	0.015
21 Peace Creek	20,122	4.6	4.2	0.012
22 Bonnie Mine	17,736	4.1	3.7	0.011
23 Lake Hancock	9,888	2.3	2.1	0.006
24 Total	168,955	38.7	35.2	0.102

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	68,400	3,603,670	1,559,620	(440,659)	0	4,791,031
26 Balm	78,459	4,182,839	1,538,801	(452,530)	0	5,347,569
27 Lithia	59,451	3,912,888	1,341,721	(467,502)	0	4,846,558
28 Grange Hall	850	3,023,131	1,200,428	(325,751)	0	3,898,657
29 Peace Creek	0	1,759,185	551,627	(192,354)	0	2,118,458
30 Bonnie Mine	31,453	1,640,885	573,171	(218,619)	0	2,026,890
31 Lake Hancock	0	899,292	216,615	(126,593)	0	989,314
32 Total	238,612	19,021,890	6,981,983	(2,224,009)	0	24,018,476

NA Not applicable

(1) Net Generation data represents a calendar month. Negative generation represents station service.

(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.

(3) Fuel Cost per unit data from Schedule A3.

(4) Carrying Cost data represents return on average net investment.

(5) Capital Cost data represents depreciation expense on net investment.

(6) Other Cost data represents dismantlement costs and amortization on ITC. Dismantlement cost estimates will not be available until an updated dismantlement study is completed.