

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 26, 2021

VIA: ELECTRONIC FILING

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

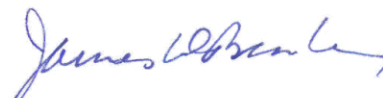
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20210007-EI

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 2021, 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/bmp
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 26th day of July, 2021 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. Matthew R. Bernier
Duke Energy Florida, Inc.
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
matthew.bernier@duke-energy.com

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

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

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

Ms. Patricia Christensen
Charles J. Rehwinkel
Stephanie Morse
Anastacia Pirrello
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us
morse.stephanie@leg.state.fl.us
pirrello.anastacia@leg.state.fl.us

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


Mr. Steven R. Griffin
Beggs & Lane
P.O. Box 12950
Pensacola, FL 32591-2950
srg@beggslane.com

Mr. Mark Bubriski
Ms. Lisa Roddy
Gulf Power Company
134 W. Jefferson Street
Tallahassee, FL 32301
Mark.bubriski@nexteraenergy.com
Lisa.rodny@nexteraenergy.com

Sierra Club
50 F Street NW, Eighth Floor
Washington, DC 20001
Kaya.mark@sierraclub.org

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

Mr. Peter J. Mattheis
Mr. Michael K. Lavanga
Stone Law Firm
1025 Thomas Jefferson St., NW
Suite 800 West
Washington, DC 20007-5201
mkl@smxblaw.com
pjm@smxblaw.com



ATTORNEY

**Tampa Electric Company
SoBRA Projects
June 2021**

Hour	System Retail Demand	Average Hourly Net Output (kWh)									
	(MW)	Payne Creek	Balm	Lithia	Grange Hall	Peace Creek	Bonnie Mine	Lake Hancock	Wimauma	Little Manatee River	Durrance
		In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service
1	2,310	(199)	(217)	(220)	(179)	(168)	(98)	(150)	(136)	(221)	(107)
2	2,157	(199)	(218)	(221)	(179)	(169)	(99)	(150)	(138)	(221)	(106)
3	2,050	(199)	(219)	(222)	(179)	(170)	(99)	(150)	(138)	(222)	(106)
4	1,983	(198)	(219)	(222)	(179)	(170)	(97)	(150)	(136)	(222)	(106)
5	1,962	(198)	(219)	(222)	(179)	(170)	(97)	(150)	(135)	(222)	(106)
6	2,001	(198)	(218)	(222)	(178)	(170)	(98)	(150)	(134)	(222)	(105)
7	2,072	(19)	(76)	(25)	(77)	(42)	(8)	(10)	95	(177)	(45)
8	2,163	10,025	9,400	10,823	6,808	7,405	4,672	6,518	9,432	5,055	5,786
9	2,353	28,773	26,961	28,646	20,907	21,367	13,969	19,150	27,320	16,867	16,914
10	2,586	35,102	34,794	37,407	28,971	27,582	17,500	23,045	35,561	25,407	25,578
11	2,824	40,486	40,793	41,839	34,485	32,021	20,571	27,361	42,642	33,146	30,883
12	3,063	46,994	49,536	48,429	40,462	36,327	23,967	30,996	47,649	40,196	36,715
13	3,266	48,984	53,988	52,457	43,542	37,646	24,888	32,362	51,516	42,674	38,684
14	3,424	45,785	51,466	49,714	42,214	35,460	24,066	31,951	47,027	40,659	36,014
15	3,528	43,824	49,707	48,369	40,157	33,287	22,728	30,567	47,817	41,306	34,874
16	3,583	35,564	44,692	44,532	35,246	29,962	20,515	27,505	43,957	38,895	32,608
17	3,592	30,421	39,431	38,997	31,250	22,427	16,728	20,675	39,269	30,407	26,685
18	3,536	23,043	26,043	26,397	19,593	17,436	11,683	15,504	24,262	23,475	19,790
19	3,392	14,316	17,354	16,644	13,167	9,408	6,411	8,761	17,203	16,506	11,081
20	3,216	4,180	4,987	4,842	4,011	2,121	1,700	1,804	5,425	5,542	3,304
21	3,082	(309)	(339)	(331)	(273)	(233)	(60)	(214)	(28)	(284)	(32)
22	2,927	(203)	(224)	(226)	(188)	(171)	(97)	(153)	(135)	(227)	(108)
23	2,718	(197)	(217)	(218)	(179)	(167)	(96)	(150)	(134)	(221)	(108)
24	2,501	(198)	(218)	(219)	(179)	(168)	(97)	(150)	(134)	(221)	(108)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: JULY 26, 2021**

**Tampa Electric Company
SoBRA Projects
June 2021**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	12,162	24.1	0.7	1,693,474
2 Balm	74.2	13,403	25.1	0.8	
3 Lithia	74.3	13,403	25.1	0.8	
4 Grange Hall	60.8	10,766	24.6	0.6	
5 Peace Creek	54.8	9,321	23.6	0.6	
6 Bonnie Mine	37.4	6,254	23.2	0.4	
7 Lake Hancock	49.4	8,239	23.2	0.5	
8 Wimauma	74.7	13,137	24.4	0.8	
9 Little Manatee River	74.3	10,731	20.1	0.6	
10 Durrance	59.8	9,558	22.2	0.6	
11 Total	629.8	106,974	23.6	6.3	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽⁵⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
12 Payne Creek	39,936	4.43	0	NA	2,902	70.52
13 Balm	44,011	4.43	0	NA	3,198	70.52
14 Lithia	72,326	4.43	0	NA	1,521	70.52
15 Grange Hall	58,096	4.43	0	NA	1,222	70.52
16 Peace Creek	50,299	4.43	0	NA	1,058	70.52
17 Bonnie Mine	33,748	4.43	0	NA	710	70.52
18 Lake Hancock	44,460	4.43	0	NA	935	70.52
19 Wimauma	88,285	4.43	0	NA	625	70.52
20 Little Manatee River	72,116	4.43	0	NA	510	70.52
21 Durrance	67,869	4.43	0	NA	291	70.52
22 Total	571,147		0		12,971	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	5,528	1.0	0.8	0.002
24 Balm	6,092	1.1	0.9	0.003
25 Lithia	6,092	1.1	0.9	0.003
26 Grange Hall	4,893	0.9	0.7	0.002
27 Peace Creek	4,236	0.8	0.6	0.002
28 Bonnie Mine	2,842	0.5	0.4	0.001
29 Lake Hancock	3,745	0.7	0.5	0.002
30 Wimauma	5,971	1.1	0.9	0.002
31 Little Manatee River	4,877	0.9	0.7	0.002
32 Durrance	4,344	0.8	0.6	0.002
33 Total	48,620	9.1	7.0	0.020

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	28,915	571,753	258,131	(73,443)	0	785,355
35 Balm	29,364	673,284	255,696	(75,422)	0	882,923
36 Lithia	42,604	682,322	262,665	(71,155)	0	916,436
37 Grange Hall	80,795	538,357	219,176	(58,232)	0	780,096
38 Peace Creek	20,785	508,534	192,763	(51,400)	0	670,682
39 Bonnie Mine	20,142	347,420	143,334	(38,654)	0	472,241
40 Lake Hancock	(17,558)	452,126	176,506	(46,710)	0	564,363
41 Wimauma	40,803	88,278	453	(75,766)	0	53,768
42 Little Manatee River	100,089	67,999	27,118	(85,115)	0	110,092
43 Durrance	18,743	568,017	217,164	(110,130)	0	693,794
44 Total	364,682	4,498,090	1,753,006	(686,029)	0	5,929,749

NA Not applicable

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

(2) Total System Net Generation 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
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: JULY 26, 2021**

**Tampa Electric Company
SoBRA Projects
Year-to-Date June 2021**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	67,583	22.2	0.8	8,919,861
2 Balm	74.2	80,134	24.9	0.9	
3 Lithia	74.3	80,578	25.0	0.9	
4 Grange Hall	60.8	66,110	25.0	0.7	
5 Peace Creek	54.8	59,044	24.8	0.7	
6 Bonnie Mine	37.4	38,539	23.7	0.4	
7 Lake Hancock	49.4	50,877	23.7	0.6	
8 Wimauma	74.7	82,650	25.5	0.9	
9 Little Manatee River	74.3	75,122	23.3	0.8	
10 Durrance	59.8	57,123	22.0	0.6	
11 Total	629.8	657,760	24.0	7.4	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽⁴⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽⁵⁾ (\$/Ton)
12 Payne Creek	221,920	3.87	0	NA	16,123	77.66
13 Balm	263,133	3.87	0	NA	19,118	77.66
14 Lithia	434,822	3.87	0	NA	9,145	77.66
15 Grange Hall	356,749	3.87	0	NA	7,503	77.66
16 Peace Creek	318,619	3.87	0	NA	6,701	77.66
17 Bonnie Mine	207,968	3.87	0	NA	4,374	77.66
18 Lake Hancock	274,547	3.87	0	NA	5,774	77.66
19 Wimauma	555,434	3.87	0	NA	3,930	77.66
20 Little Manatee River	504,843	3.87	0	NA	3,572	77.66
21 Durrance	405,619	3.87	0	NA	1,738	77.66
22 Total	3,543,653		0		77,978	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	30,728	5.9	4.3	0.012
24 Balm	36,438	7.0	5.0	0.015
25 Lithia	36,639	7.0	5.1	0.015
26 Grange Hall	30,061	5.8	4.2	0.012
27 Peace Creek	26,848	5.1	3.7	0.011
28 Bonnie Mine	17,524	3.4	2.4	0.007
29 Lake Hancock	23,135	4.4	3.2	0.009
30 Wimauma	37,582	7.2	5.2	0.015
31 Little Manatee River	34,160	6.6	4.7	0.014
32 Durrance	25,974	5.0	3.6	0.010
33 Total	299,090	57.3	41.4	0.120

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	245,206	3,442,228	1,548,786	(440,659)	0	4,795,561
35 Balm	290,270	4,048,789	1,534,176	(452,530)	0	5,420,705
36 Lithia	336,950	4,103,484	1,575,990	(426,932)	0	5,589,492
37 Grange Hall	260,017	3,238,846	1,315,056	(349,394)	0	4,464,524
38 Peace Creek	198,443	3,058,033	1,156,578	(308,400)	0	4,104,654
39 Bonnie Mine	166,309	2,081,460	855,748	(231,927)	0	2,871,590
40 Lake Hancock	214,992	2,719,326	1,059,036	(280,262)	0	3,713,092
41 Wimauma	274,048	1,827,243	627,168	(454,597)	0	2,273,862
42 Little Manatee River	617,497	409,000	162,684	(510,687)	0	678,494
43 Durrance	51,955	3,244,065	1,139,208	(550,652)	0	3,884,576
44 Total	2,655,687	28,172,474	10,974,430	(4,006,041)	0	37,796,550

NA Not applicable

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

(2) Total System Net Generation from Schedule A3.

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

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(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.