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September 27, 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 August 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 27th day of September 2021 to the following:

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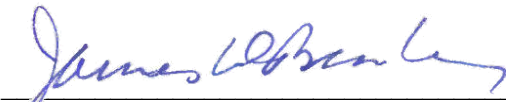
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
August 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	2,507	(218)	(223)	(220)	(173)	(163)	(99)	(148)	(138)	(225)	(106)
2	2,357	(217)	(222)	(220)	(174)	(164)	(99)	(148)	(140)	(226)	(105)
3	2,254	(219)	(223)	(221)	(175)	(165)	(100)	(148)	(141)	(227)	(105)
4	2,186	(219)	(224)	(221)	(174)	(165)	(99)	(148)	(140)	(227)	(105)
5	2,179	(218)	(223)	(221)	(173)	(165)	(99)	(148)	(139)	(227)	(105)
6	2,226	(218)	(223)	(221)	(174)	(165)	(98)	(148)	(139)	(227)	(104)
7	2,326	(217)	(223)	(220)	(174)	(164)	(97)	(148)	(138)	(227)	(103)
8	2,388	4,125	4,564	5,512	3,274	3,345	2,042	2,999	4,949	2,496	2,148
9	2,557	23,760	24,762	29,720	19,896	19,110	12,429	15,972	25,017	19,275	12,793
10	2,807	36,309	39,133	41,291	32,540	31,066	20,701	25,056	40,901	31,311	23,415
11	3,075	40,603	44,657	46,733	36,597	33,629	22,298	26,785	43,667	34,403	28,560
12	3,347	43,421	48,510	50,016	40,273	37,128	23,803	29,677	46,349	39,151	32,380
13	3,578	43,816	50,481	51,247	42,639	38,202	25,244	31,324	45,566	40,207	34,987
14	3,745	42,697	48,030	47,545	40,335	37,257	22,960	31,866	39,985	41,765	32,116
15	3,832	38,741	44,056	44,197	35,643	33,815	21,894	27,811	37,302	37,749	31,013
16	3,857	35,389	37,866	40,561	32,106	31,471	19,406	26,905	29,485	31,411	27,081
17	3,822	26,945	29,458	27,656	22,753	26,831	15,735	22,718	24,208	26,645	22,549
18	3,744	19,048	21,349	24,290	16,869	19,613	10,975	15,683	19,663	21,155	13,934
19	3,606	10,963	9,886	10,943	9,105	7,815	5,045	6,929	10,425	10,855	6,132
20	3,450	1,408	1,928	2,071	1,644	1,165	1,075	1,057	2,546	2,542	1,331
21	3,351	(293)	(316)	(320)	(255)	(229)	(93)	(209)	(128)	(291)	(103)
22	3,176	(221)	(226)	(220)	(176)	(165)	(99)	(149)	(138)	(224)	(108)
23	2,944	(217)	(223)	(218)	(173)	(162)	(99)	(148)	(137)	(223)	(108)
24	2,710	(217)	(223)	(220)	(173)	(162)	(99)	(148)	(137)	(224)	(107)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: SEPTEMBER 27, 2021**

**Tampa Electric Company
SoBRA Projects
August 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	11,307	21.7	0.6	1,848,827
2 Balm	74.2	12,466	22.6	0.7	
3 Lithia	74.3	12,997	23.5	0.7	
4 Grange Hall	60.8	10,282	22.7	0.6	
5 Peace Creek	54.8	9,876	24.2	0.5	
6 Bonnie Mine	37.4	6,279	22.6	0.3	
7 Lake Hancock	49.4	8,155	22.2	0.4	
8 Wimauma	74.7	11,425	20.6	0.6	
9 Little Manatee River	74.3	10,429	18.9	0.6	
10 Durrance	59.8	8,308	18.7	0.4	
11 Total	629.8	101,524	21.7	5.5	

	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	37,128	5.19	0	NA	2,698	73.45
13 Balm	40,934	5.19	0	NA	2,974	73.45
14 Lithia	70,136	5.19	0	NA	1,475	73.45
15 Grange Hall	55,485	5.19	0	NA	1,167	73.45
16 Peace Creek	53,294	5.19	0	NA	1,121	73.45
17 Bonnie Mine	33,883	5.19	0	NA	713	73.45
18 Lake Hancock	44,007	5.19	0	NA	926	73.45
19 Wimauma	76,780	5.19	0	NA	543	73.45
20 Little Manatee River	70,086	5.19	0	NA	496	73.45
21 Durrance	58,993	5.19	0	NA	253	73.45
22 Total	540,726		0		12,365	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	5,139	1.0	0.7	0.002
24 Balm	5,666	1.1	0.8	0.002
25 Lithia	5,907	1.1	0.8	0.002
26 Grange Hall	4,673	0.9	0.7	0.002
27 Peace Creek	4,489	0.8	0.6	0.002
28 Bonnie Mine	2,854	0.5	0.4	0.001
29 Lake Hancock	3,706	0.7	0.5	0.002
30 Wimauma	5,193	1.0	0.7	0.002
31 Little Manatee River	4,740	0.9	0.7	0.002
32 Durrance	3,776	0.7	0.5	0.002
33 Total	46,143	8.6	6.6	0.019

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	41,848	572,350	258,131	(73,443)	0	798,886
35 Balm	42,832	674,305	255,696	(75,422)	0	897,411
36 Lithia	59,787	683,286	262,665	(71,155)	0	934,583
37 Grange Hall	35,192	539,338	219,176	(58,232)	0	735,474
38 Peace Creek	32,690	509,746	192,763	(51,400)	0	683,799
39 Bonnie Mine	23,597	348,765	143,334	(38,654)	0	477,042
40 Lake Hancock	38,721	453,334	176,507	(46,710)	0	621,851
41 Wimauma	20,346	88,612	453	(75,766)	0	33,645
42 Little Manatee River	22,228	67,905	27,118	(85,115)	0	32,137
43 Durrance	15,429	597,347	224,792	220,261	0	1,057,829
44 Total	332,671	4,534,988	1,760,635	(355,637)	0	6,272,657

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. Durrance amount includes adjustment for ITC amort for Mar - July 2021.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: SEPTEMBER 27, 2021**

**Tampa Electric Company
SoBRA Projects
Year-to-Date August 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	90,983	22.3	0.7	12,565,641
2 Balm	74.2	106,492	24.6	0.8	
3 Lithia	74.3	107,716	24.9	0.9	
4 Grange Hall	60.8	87,825	24.8	0.7	
5 Peace Creek	54.8	78,927	24.7	0.6	
6 Bonnie Mine	37.4	51,504	23.6	0.4	
7 Lake Hancock	49.4	67,638	23.5	0.5	
8 Wimauma	74.7	106,791	24.5	0.8	
9 Little Manatee River	74.3	97,113	22.4	0.8	
10 Durrance	59.8	74,358	21.3	0.6	
11 Total	629.8	869,347	23.7	6.9	

	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	298,758	4.16	0	NA	21,706	76.71
13 Balm	349,684	4.16	0	NA	25,406	76.71
14 Lithia	581,267	4.16	0	NA	12,225	76.71
15 Grange Hall	473,929	4.16	0	NA	9,968	76.71
16 Peace Creek	425,913	4.16	0	NA	8,958	76.71
17 Bonnie Mine	277,931	4.16	0	NA	5,846	76.71
18 Lake Hancock	364,994	4.16	0	NA	7,677	76.71
19 Wimauma	717,669	4.16	0	NA	5,077	76.71
20 Little Manatee River	652,629	4.16	0	NA	4,617	76.71
21 Durrance	528,001	4.16	0	NA	2,262	76.71
22 Total	4,670,775		0		103,742	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	41,364	7.9	5.8	0.017
24 Balm	48,418	9.2	6.7	0.020
25 Lithia	48,974	9.3	6.8	0.020
26 Grange Hall	39,930	7.6	5.6	0.016
27 Peace Creek	35,885	6.8	5.0	0.015
28 Bonnie Mine	23,417	4.5	3.3	0.009
29 Lake Hancock	30,753	5.9	4.3	0.012
30 Wimauma	48,554	9.3	6.8	0.020
31 Little Manatee River	44,155	8.4	6.1	0.018
32 Durrance	33,807	6.4	4.7	0.014
33 Total	395,256	75.3	55.1	0.160

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	339,353	4,586,035	2,065,048	(587,545)	0	6,402,891
35 Balm	382,009	5,396,347	2,045,568	(603,374)	0	7,220,551
36 Lithia	447,480	5,469,037	2,101,320	(569,243)	0	7,448,594
37 Grange Hall	340,539	4,316,420	1,753,408	(465,859)	0	5,944,508
38 Peace Creek	269,718	4,076,292	1,542,104	(411,200)	0	5,476,913
39 Bonnie Mine	215,519	2,777,554	1,142,416	(309,236)	0	3,826,254
40 Lake Hancock	298,566	3,624,734	1,412,049	(373,683)	0	4,961,666
41 Wimauma	334,188	2,004,345	628,074	(606,129)	0	2,360,478
42 Little Manatee River	751,634	544,892	216,920	(680,916)	0	832,530
43 Durrance	86,974	4,423,586	1,580,972	(440,522)	0	5,651,011
44 Total	3,465,981	37,219,242	14,487,879	(5,047,707)	0	50,125,395

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. Durrance amount includes adjustment for ITC amort for Mar - July 2021.