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November 22, 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 October 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 22nd day of November 2021 to the following:

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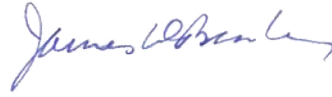
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
October 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	2,164	(193)	(222)	(223)	(176)	(170)	(100)	(151)	(134)	(226)	(103)
2	2,019	(192)	(223)	(223)	(177)	(171)	(100)	(150)	(135)	(227)	(103)
3	1,922	(192)	(222)	(223)	(177)	(171)	(100)	(150)	(136)	(229)	(103)
4	1,864	(192)	(222)	(223)	(177)	(171)	(100)	(151)	(135)	(229)	(103)
5	1,859	(193)	(222)	(224)	(177)	(171)	(100)	(151)	(135)	(228)	(103)
6	1,903	(193)	(220)	(223)	(176)	(170)	(99)	(150)	(135)	(227)	(103)
7	2,017	(193)	(219)	(222)	(176)	(169)	(98)	(150)	(134)	(226)	(101)
8	2,094	670	435	657	227	442	203	445	571	151	243
9	2,187	17,863	16,296	18,949	12,390	12,055	7,091	11,170	13,879	14,438	8,899
10	2,380	39,328	42,891	45,155	33,502	29,060	17,853	26,247	36,399	36,531	24,087
11	2,598	39,825	40,250	43,360	34,167	32,051	21,786	28,704	32,004	35,431	30,447
12	2,807	43,534	44,156	46,710	37,083	33,498	22,384	29,408	33,467	38,972	33,003
13	2,996	44,273	44,247	47,028	38,536	35,582	22,061	31,499	29,869	40,224	33,932
14	3,157	44,160	48,304	49,025	39,216	35,426	21,252	30,839	28,930	41,208	33,533
15	3,278	44,717	47,222	47,408	39,372	35,059	20,506	29,660	26,264	40,728	33,624
16	3,362	43,351	43,676	44,785	37,033	32,192	19,912	27,214	24,342	41,350	31,461
17	3,396	37,666	37,291	38,197	31,997	28,846	18,119	24,191	20,685	36,528	27,565
18	3,356	24,633	25,032	26,475	17,611	15,697	10,239	14,702	13,702	24,792	14,612
19	3,221	3,750	3,774	4,498	2,767	1,925	1,550	1,705	2,910	4,221	2,667
20	3,133	(314)	(359)	(349)	(282)	(261)	(98)	(274)	(126)	(346)	(106)
21	2,973	(193)	(229)	(220)	(178)	(170)	(100)	(168)	(130)	(226)	(107)
22	2,776	(192)	(225)	(220)	(177)	(170)	(100)	(160)	(132)	(224)	(106)
23	2,556	(191)	(222)	(220)	(176)	(169)	(100)	(155)	(132)	(224)	(106)
24	2,335	(192)	(222)	(222)	(178)	(169)	(100)	(152)	(133)	(225)	(105)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: NOVEMBER 22, 2021**

**Tampa Electric Company
SoBRA Projects
October 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	11,821	22.7	0.7	1,594,165
2 Balm	74.2	12,113	21.9	0.8	
3 Lithia	74.3	12,692	23.0	0.8	
4 Grange Hall	60.8	9,972	22.0	0.6	
5 Peace Creek	54.8	8,980	22.0	0.6	
6 Bonnie Mine	37.4	5,635	20.3	0.4	
7 Lake Hancock	49.4	7,867	21.4	0.5	
8 Wimauma	74.7	8,105	14.6	0.5	
9 Little Manatee River	74.3	10,903	19.7	0.7	
10 Durrance	59.8	8,344	18.8	0.5	
11 Total	629.8	96,432	20.6	6.0	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽³⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
12 Payne Creek	38,816	7.03	0	NA	2,820	77.61
13 Balm	39,775	7.03	0	NA	2,890	77.61
14 Lithia	68,490	7.03	0	NA	1,440	77.61
15 Grange Hall	53,812	7.03	0	NA	1,132	77.61
16 Peace Creek	48,459	7.03	0	NA	1,019	77.61
17 Bonnie Mine	30,408	7.03	0	NA	640	77.61
18 Lake Hancock	42,453	7.03	0	NA	893	77.61
19 Wimauma	54,468	7.03	0	NA	385	77.61
20 Little Manatee River	73,272	7.03	0	NA	518	77.61
21 Durrance	59,249	7.03	0	NA	254	77.61
22 Total	509,201		0		11,991	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	5,373	1.0	0.8	0.002
24 Balm	5,505	1.0	0.8	0.002
25 Lithia	5,769	1.1	0.8	0.002
26 Grange Hall	4,532	0.8	0.6	0.002
27 Peace Creek	4,081	0.8	0.6	0.002
28 Bonnie Mine	2,561	0.5	0.4	0.001
29 Lake Hancock	3,576	0.7	0.5	0.001
30 Wimauma	3,684	0.7	0.5	0.002
31 Little Manatee River	4,955	0.9	0.7	0.002
32 Durrance	3,792	0.7	0.5	0.002
33 Total	43,828	8.2	6.3	0.018

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	39,176	569,255	260,219	(73,443)	0	795,207
35 Balm	36,124	669,330	257,229	(75,422)	0	887,261
36 Lithia	31,412	678,093	264,160	(71,155)	0	902,510
37 Grange Hall	31,037	535,648	220,862	(58,232)	0	729,315
38 Peace Creek	23,422	506,084	194,069	(51,400)	0	672,175
39 Bonnie Mine	16,675	346,923	144,917	(38,654)	0	469,861
40 Lake Hancock	40,324	451,672	178,500	(46,710)	0	623,786
41 Wimauma	19,986	731,058	274,293	(75,766)	0	949,571
42 Little Manatee River	60,947	660,258	291,189	(85,115)	0	927,279
43 Durrance	21,535	593,727	226,406	(55,065)	0	786,602
44 Total	320,638	5,742,048	2,311,844	(630,963)	0	7,743,566

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: NOVEMBER 22, 2021**

**Tampa Electric Company
SoBRA Projects
Year-to-Date October 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	113,960	22.3	0.7	15,880,987
2 Balm	74.2	130,535	24.1	0.8	
3 Lithia	74.3	132,806	24.5	0.8	
4 Grange Hall	60.8	107,589	24.3	0.7	
5 Peace Creek	54.8	97,092	24.3	0.6	
6 Bonnie Mine	37.4	62,872	23.0	0.4	
7 Lake Hancock	49.4	82,404	22.9	0.5	
8 Wimauma	74.7	124,584	22.9	0.8	
9 Little Manatee River	74.3	117,348	21.7	0.7	
10 Durrance	59.8	90,356	20.7	0.6	
11 Total	629.8	1,059,546	23.1	6.7	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽³⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
12 Payne Creek	374,207	4.62	0	NA	27,188	74.74
13 Balm	428,633	4.62	0	NA	31,142	74.74
14 Lithia	716,660	4.62	0	NA	15,073	74.74
15 Grange Hall	580,582	4.62	0	NA	12,211	74.74
16 Peace Creek	523,937	4.62	0	NA	11,020	74.74
17 Bonnie Mine	339,276	4.62	0	NA	7,136	74.74
18 Lake Hancock	444,676	4.62	0	NA	9,353	74.74
19 Wimauma	837,243	4.62	0	NA	5,923	74.74
20 Little Manatee River	788,615	4.62	0	NA	5,579	74.74
21 Durrance	641,599	4.62	0	NA	2,749	74.74
22 Total	5,675,427		0		127,373	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	51,807	9.8	7.3	0.021
24 Balm	59,345	11.3	8.3	0.024
25 Lithia	60,377	11.5	8.5	0.025
26 Grange Hall	48,913	9.3	6.9	0.020
27 Peace Creek	44,141	8.4	6.2	0.018
28 Bonnie Mine	28,583	5.4	4.0	0.012
29 Lake Hancock	37,464	7.1	5.2	0.015
30 Wimauma	56,641	10.8	7.9	0.023
31 Little Manatee River	53,352	10.1	7.5	0.022
32 Durrance	41,079	7.8	5.8	0.017
33 Total	481,702	91.4	67.5	0.196

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	419,907	5,689,835	2,584,893	(734,432)	0	7,960,203
35 Balm	462,982	6,695,493	2,559,988	(754,217)	0	8,964,246
36 Lithia	524,669	6,785,283	2,629,640	(711,554)	0	9,228,039
37 Grange Hall	408,118	5,356,079	2,194,942	(582,324)	0	7,376,815
38 Peace Creek	327,141	5,058,949	1,930,431	(514,001)	0	6,802,521
39 Bonnie Mine	256,500	3,451,218	1,432,250	(386,544)	0	4,753,423
40 Lake Hancock	385,009	4,500,403	1,768,551	(467,104)	0	6,186,860
41 Wimauma	375,097	2,808,448	902,820	(757,661)	0	3,328,704
42 Little Manatee River	843,031	1,268,377	535,227	(851,145)	0	1,795,489
43 Durrance	132,570	5,578,044	2,033,588	(550,652)	0	7,193,550
44 Total	4,135,024	47,192,129	18,572,330	(6,309,633)	0	63,589,850

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.