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February 25, 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 January 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 25th day of February 2021 to the following:

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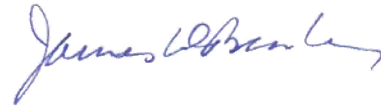
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
January 2021**

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)								
		Payne Creek	Balm	Lithia	Grange Hall	Peace Creek	Bonnie Mine	Lake Hancock	Wimauma	Little Manatee River
		In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service
1	1,763	(199)	(216)	(217)	(176)	(166)	(100)	(159)	(129)	(223)
2	1,698	(199)	(216)	(218)	(176)	(167)	(100)	(159)	(132)	(227)
3	1,665	(199)	(216)	(218)	(176)	(167)	(99)	(159)	(133)	(227)
4	1,662	(199)	(216)	(218)	(176)	(168)	(99)	(160)	(134)	(227)
5	1,705	(199)	(216)	(218)	(176)	(167)	(99)	(160)	(135)	(225)
6	1,830	(199)	(216)	(218)	(177)	(166)	(98)	(159)	(135)	(224)
7	2,010	(193)	(214)	(216)	(177)	(164)	(97)	(158)	(135)	(223)
8	2,156	1,291	989	1,216	710	915	534	952	1,368	1,008
9	2,230	16,559	15,700	17,351	12,132	12,308	7,802	12,004	16,817	15,329
10	2,239	31,283	31,670	30,217	25,178	23,574	15,170	21,052	33,248	31,340
11	2,223	37,423	37,625	36,105	31,192	27,669	17,993	24,211	39,803	37,274
12	2,196	41,302	40,756	40,288	33,672	30,750	19,949	26,930	42,464	39,542
13	2,176	40,025	40,018	40,155	32,304	30,827	19,806	26,542	41,924	41,332
14	2,161	38,420	38,229	37,022	32,471	29,364	18,593	25,586	40,951	40,762
15	2,153	38,386	38,481	36,427	31,782	27,985	17,420	24,261	39,588	40,386
16	2,155	36,291	36,416	33,799	30,132	25,891	16,578	23,394	37,910	37,817
17	2,180	24,383	22,458	21,851	17,561	15,002	9,369	13,199	22,880	23,495
18	2,244	4,058	3,807	3,793	2,909	2,280	1,555	1,998	4,744	4,884
19	2,359	(317)	(353)	(345)	(278)	(261)	(96)	(241)	(126)	(330)
20	2,335	(197)	(220)	(216)	(176)	(177)	(99)	(160)	(125)	(219)
21	2,251	(198)	(219)	(216)	(176)	(169)	(99)	(158)	(125)	(219)
22	2,133	(198)	(219)	(216)	(176)	(167)	(99)	(159)	(126)	(217)
23	1,996	(198)	(217)	(215)	(176)	(165)	(99)	(159)	(126)	(217)
24	1,862	(198)	(216)	(217)	(175)	(165)	(99)	(159)	(126)	(218)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: FEBRUARY 25, 2021**

**Tampa Electric Company
SoBRA Projects
January 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	9,507	18.2	0.7	1,317,591
2 Balm	74.2	9,399	17.0	0.7	
3 Lithia	74.3	9,153	16.6	0.7	
4 Grange Hall	60.8	7,677	17.0	0.6	
5 Peace Creek	54.8	6,954	17.1	0.5	
6 Bonnie Mine	37.4	4,448	16.0	0.3	
7 Lake Hancock	49.4	6,137	16.7	0.5	
8 Wimauma	74.7	9,893	17.8	0.8	
9 Little Manatee River	74.3	9,643	17.4	0.7	
10 Durrance	59.8	6,905	15.5	0.5	
11 Total	629.8	79,716	17.0	6.1	

	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	31,218	3.60	0	NA	2,268	69.75
13 Balm	30,863	3.60	0	NA	2,242	69.75
14 Lithia	49,392	3.60	0	NA	1,039	69.75
15 Grange Hall	41,427	3.60	0	NA	871	69.75
16 Peace Creek	37,526	3.60	0	NA	789	69.75
17 Bonnie Mine	24,003	3.60	0	NA	505	69.75
18 Lake Hancock	33,117	3.60	0	NA	697	69.75
19 Wimauma	66,484	3.60	0	NA	470	69.75
20 Little Manatee River	64,804	3.60	0	NA	458	69.75
21 Durrance	49,031	3.60	0	NA	210	69.75
22 Total	427,865		0		9,550	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	4,326	0.9	0.6	0.002
24 Balm	4,277	0.8	0.6	0.002
25 Lithia	4,165	0.8	0.5	0.002
26 Grange Hall	3,493	0.7	0.5	0.001
27 Peace Creek	3,164	0.6	0.4	0.001
28 Bonnie Mine	2,024	0.4	0.3	0.001
29 Lake Hancock	2,792	0.6	0.4	0.001
30 Wimauma	4,501	0.9	0.6	0.002
31 Little Manatee River	4,388	0.9	0.6	0.002
32 Durrance	3,142	0.6	0.4	0.001
33 Total	36,271	7.2	4.8	0.014

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	47,655	576,828	258,131	(73,443)	0	809,171
35 Balm	47,841	677,693	255,696	(75,422)	0	905,808
36 Lithia	52,776	686,905	262,665	(71,155)	0	931,190
37 Grange Hall	38,691	542,362	219,176	(58,232)	0	741,997
38 Peace Creek	37,011	511,853	192,763	(51,400)	0	690,227
39 Bonnie Mine	25,600	347,526	142,270	(38,654)	0	476,742
40 Lake Hancock	49,818	455,243	176,506	(46,710)	0	634,857
41 Wimauma	51,539	460,163	156,525	(75,766)	0	592,461
42 Little Manatee River	113,086	68,462	27,106	(85,115)	0	123,539
43 Durrance	0	317,569	11,530	0	0	329,099
44 Total	464,018	4,644,604	1,702,368	(575,898)	0	6,235,091

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: FEBRUARY 25, 2021**

**Tampa Electric Company
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Year-to-Date January 2021**

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