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January 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. 20200007-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 December 2020, 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 January 2021 to the following:

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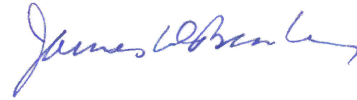
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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
December 2020**

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	1,836	(200)	(218)	(217)	(178)	(166)	(96)	(158)	(133)	(224)
2	1,769	(200)	(219)	(218)	(177)	(166)	(96)	(159)	(135)	(225)
3	1,737	(200)	(219)	(218)	(177)	(166)	(96)	(158)	(137)	(225)
4	1,737	(200)	(219)	(219)	(177)	(166)	(96)	(158)	(137)	(225)
5	1,786	(200)	(219)	(219)	(178)	(167)	(96)	(157)	(137)	(224)
6	1,903	(200)	(218)	(217)	(177)	(166)	(97)	(156)	(137)	(222)
7	2,069	(200)	(217)	(216)	(177)	(166)	(98)	(156)	(136)	(221)
8	2,209	2,687	2,241	2,817	1,755	1,550	974	1,634	2,750	2,117
9	2,289	21,677	21,693	23,648	16,386	13,335	9,388	13,586	21,988	21,311
10	2,314	37,597	36,631	37,324	30,392	25,206	17,524	23,625	37,514	37,451
11	2,297	37,425	39,268	38,802	31,815	27,625	18,836	25,000	39,741	39,772
12	2,258	37,123	40,072	38,638	32,331	27,367	18,543	25,055	39,933	40,246
13	2,233	38,844	41,882	40,841	33,750	28,121	18,711	25,507	41,686	42,333
14	2,211	37,842	40,196	38,581	33,594	28,980	18,409	25,710	40,629	41,796
15	2,198	35,223	38,458	35,346	32,169	27,998	16,660	24,284	38,722	40,570
16	2,199	32,531	32,655	30,153	27,518	25,002	14,476	21,815	33,095	35,411
17	2,223	16,905	17,278	16,321	13,032	11,089	6,571	9,941	16,701	18,409
18	2,326	860	770	795	546	392	318	342	1,327	1,131
19	2,441	(259)	(282)	(282)	(222)	(216)	(97)	(200)	(131)	(278)
20	2,407	(200)	(217)	(216)	(177)	(171)	(96)	(160)	(129)	(222)
21	2,337	(200)	(217)	(216)	(177)	(167)	(96)	(159)	(128)	(222)
22	2,235	(200)	(217)	(217)	(177)	(166)	(96)	(159)	(131)	(222)
23	2,100	(200)	(217)	(217)	(177)	(163)	(96)	(159)	(131)	(222)
24	1,956	(200)	(217)	(217)	(177)	(163)	(95)	(158)	(131)	(222)

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**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20200007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: JANUARY 25, 2021**

**Tampa Electric Company  
SoBRA Projects  
December 2020**

	Net Capability (MW)	Net Generation <sup>(1)</sup> (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation <sup>(2)</sup> (MWh)
1 Payne Creek	70.1	9,175	17.6	0.7	1,351,236
2 Balm	74.2	9,556	17.3	0.7	
3 Lithia	74.3	9,309	16.8	0.7	
4 Grange Hall	60.8	7,780	17.2	0.6	
5 Peace Creek	54.8	6,646	16.3	0.5	
6 Bonnie Mine	37.4	4,313	15.5	0.3	
7 Lake Hancock	49.4	6,024	16.4	0.4	
8 Wimauma	74.7	9,683	17.4	0.7	
9 Little Manatee River	74.3	9,847	17.8	0.7	
10 Total	570.0	72,333	17.1	5.4	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(3)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(3)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
11 Payne Creek	0	3.78	0	NA	4,023	78.50
12 Balm	0	3.78	0	NA	4,190	78.50
13 Lithia	59,953	3.78	0	NA	550	78.50
14 Grange Hall	50,106	3.78	0	NA	460	78.50
15 Peace Creek	42,802	3.78	0	NA	393	78.50
16 Bonnie Mine	27,777	3.78	0	NA	255	78.50
17 Lake Hancock	38,797	3.78	0	NA	356	78.50
18 Wimauma	71,036	3.78	0	NA	2	78.50
19 Little Manatee River	72,239	3.78	0	NA	2	78.50
20 Total	362,711		0		10,231	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	4,175	0.8	0.6	0.002
22 Balm	4,348	0.9	0.6	0.002
23 Lithia	4,236	0.8	0.6	0.002
24 Grange Hall	3,540	0.7	0.5	0.001
25 Peace Creek	3,024	0.6	0.4	0.001
26 Bonnie Mine	1,962	0.4	0.3	0.001
27 Lake Hancock	2,741	0.5	0.4	0.001
28 Wimauma	4,406	0.9	0.6	0.002
29 Little Manatee River	4,480	0.9	0.6	0.002
30 Total	32,912	6.5	4.3	0.013

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	37,746	579,957	258,131	(73,443)	0	802,391
32 Balm	35,307	681,058	255,696	(75,422)	0	896,639
33 Lithia	35,290	690,339	262,665	(71,155)	0	917,138
34 Grange Hall	31,590	545,149	219,176	(58,232)	0	737,683
35 Peace Creek	24,561	514,384	192,757	(51,400)	0	680,302
36 Bonnie Mine	21,391	349,325	142,270	(38,654)	0	474,331
37 Lake Hancock	34,214	457,534	176,506	(46,710)	0	621,543
38 Wimauma	40,852	462,263	156,519	(75,766)	0	583,868
39 Little Manatee River	98,889	68,810	27,092	(85,115)	0	109,676
40 Total	359,840	4,348,819	1,690,812	(575,898)	0	5,823,573

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. 20200007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: JANUARY 25, 2021**

**Tampa Electric Company  
SoBRA Projects  
Year-to-Date December 2020**

	Net Capability (MW)	Net Generation <sup>(1)</sup> (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation <sup>(2)</sup> (MWh)
1 Payne Creek	70.1	141,497	23.0	0.8	18,555,489
2 Balm	74.2	149,517	22.9	0.8	
3 Lithia	74.3	143,290	22.0	0.8	
4 Grange Hall	60.8	118,872	22.3	0.6	
5 Peace Creek	54.8	103,555	21.5	0.6	
6 Bonnie Mine	37.4	67,636	20.6	0.4	
7 Lake Hancock	49.4	83,191	19.2	0.4	
8 Wimauma	74.7	122,767	24.9	0.7	
9 Little Manatee River	74.3	145,399	24.8	0.8	
10 Total	570.0	1,075,724	22.5	5.8	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(3)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(3)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
11 Payne Creek	0	2.97	0	NA	62,048	78.77
12 Balm	0	2.97	0	NA	65,565	78.77
13 Lithia	922,836	2.97	0	NA	8,465	78.77
14 Grange Hall	765,576	2.97	0	NA	7,023	78.77
15 Peace Creek	666,929	2.97	0	NA	6,118	78.77
16 Bonnie Mine	435,599	2.97	0	NA	3,996	78.77
17 Lake Hancock	535,778	2.97	0	NA	4,915	78.77
18 Wimauma	854,629	2.97	0	NA	27	78.77
19 Little Manatee River	1,063,674	2.97	0	NA	27	78.77
20 Total	5,245,021		0		158,181	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	64,892	13.1	9.3	0.027
22 Balm	68,570	13.9	9.8	0.029
23 Lithia	65,749	13.3	9.5	0.028
24 Grange Hall	54,515	11.0	7.8	0.023
25 Peace Creek	47,471	9.6	6.8	0.020
26 Bonnie Mine	31,012	6.3	4.4	0.013
27 Lake Hancock	38,039	7.6	5.3	0.015
28 Wimauma	53,005	10.5	7.0	0.021
29 Little Manatee River	66,244	13.3	9.1	0.027
30 Total	489,496	98.7	69.1	0.202

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	534,466	7,065,774	3,121,289	(881,318)	0	9,840,211
32 Balm	591,250	8,271,058	3,064,752	(905,060)	0	11,022,000
33 Lithia	678,768	8,383,967	3,152,270	(854,828)	0	11,360,177
34 Grange Hall	464,174	6,626,199	2,715,577	(699,943)	0	9,106,007
35 Peace Creek	352,123	6,237,502	2,333,433	(620,994)	0	8,302,064
36 Bonnie Mine	383,268	4,244,520	1,707,773	(467,032)	0	5,868,529
37 Lake Hancock	492,056	5,555,534	2,116,220	(561,049)	0	7,602,761
38 Wimauma	304,330	4,000,862	1,269,699	(681,895)	0	4,892,996
39 Little Manatee River	1,054,042	620,314	274,228	(936,260)	0	1,012,324
40 Total	4,854,478	51,005,730	19,755,241	(6,608,380)	0	69,007,069

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. Little Manatee River ITC amortization includes February amortization recorded but not reported in February.