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November 25, 2020

**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 October 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 November 2020 to the following:

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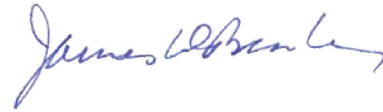
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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
October 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	2,173	(182)	(220)	(198)	(163)	(172)	(100)	(155)	(124)	(224)
2	2,031	(181)	(220)	(198)	(162)	(173)	(101)	(155)	(124)	(224)
3	1,934	(182)	(220)	(199)	(162)	(173)	(101)	(155)	(126)	(226)
4	1,872	(182)	(220)	(200)	(162)	(173)	(101)	(156)	(127)	(225)
5	1,872	(182)	(220)	(200)	(162)	(173)	(101)	(155)	(127)	(224)
6	1,923	(183)	(220)	(201)	(163)	(173)	(100)	(155)	(126)	(223)
7	2,029	(192)	(220)	(204)	(170)	(172)	(100)	(155)	(124)	(223)
8	2,116	205	125	59	80	128	98	86	430	(31)
9	2,211	13,110	14,393	12,305	9,518	10,484	6,720	8,394	14,138	10,129
10	2,409	32,250	36,472	29,318	26,573	25,794	17,041	20,197	33,314	33,534
11	2,632	38,380	46,715	37,218	34,975	29,776	19,854	23,136	43,583	45,002
12	2,856	42,463	48,636	39,288	36,387	33,193	22,021	25,826	44,435	45,077
13	3,057	42,508	48,789	39,957	37,235	34,768	21,727	26,998	43,736	43,294
14	3,206	41,397	46,517	38,129	35,556	31,833	20,412	26,766	42,536	43,902
15	3,302	40,627	40,677	34,711	33,727	28,990	18,125	24,679	39,043	40,927
16	3,361	38,690	38,717	32,462	30,171	28,174	17,683	23,717	34,289	37,217
17	3,388	31,952	33,096	26,877	25,763	25,144	15,754	21,549	29,107	32,711
18	3,342	17,827	21,689	18,499	15,656	14,783	9,238	13,590	20,046	19,390
19	3,219	2,815	3,558	3,268	2,309	2,103	1,523	1,927	3,813	3,920
20	3,139	(299)	(342)	(312)	(251)	(250)	(99)	(230)	(122)	(326)
21	2,987	(188)	(221)	(198)	(164)	(174)	(101)	(157)	(118)	(223)
22	2,792	(184)	(220)	(197)	(163)	(173)	(101)	(156)	(120)	(223)
23	2,589	(184)	(220)	(197)	(162)	(173)	(100)	(155)	(121)	(222)
24	2,365	(184)	(220)	(198)	(163)	(172)	(99)	(155)	(122)	(223)

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**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20200007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: NOVEMBER 25, 2020**

**Tampa Electric Company  
SoBRA Projects  
October 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	10,536	20.2	0.7	1,578,980
2 Balm	74.2	11,676	21.2	0.7	
3 Lithia	74.3	9,597	17.4	0.6	
4 Grange Hall	60.8	8,864	19.6	0.6	
5 Peace Creek	54.8	8,154	20.0	0.5	
6 Bonnie Mine	37.4	5,239	18.8	0.3	
7 Lake Hancock	49.4	6,662	18.1	0.4	
8 Wimauma	74.7	10,758	19.4	0.7	
9 Little Manatee River	74.3	10,920	19.8	0.7	
10 Total	570.0	82,406	19.4	5.2	

	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	3.04	0	NA	4,620	76.25
12 Balm	0	3.04	0	NA	5,120	76.25
13 Lithia	61,808	3.04	0	NA	567	76.25
14 Grange Hall	57,087	3.04	0	NA	524	76.25
15 Peace Creek	52,515	3.04	0	NA	482	76.25
16 Bonnie Mine	33,741	3.04	0	NA	310	76.25
17 Lake Hancock	42,906	3.04	0	NA	394	76.25
18 Wimauma	78,923	3.04	0	NA	2	76.25
19 Little Manatee River	80,111	3.04	0	NA	2	76.25
20 Total	407,090		0		12,020	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	4,794	0.9	0.6	0.002
22 Balm	5,313	1.1	0.7	0.002
23 Lithia	4,367	0.9	0.6	0.002
24 Grange Hall	4,033	0.8	0.5	0.002
25 Peace Creek	3,710	0.7	0.5	0.001
26 Bonnie Mine	2,384	0.5	0.3	0.001
27 Lake Hancock	3,031	0.6	0.4	0.001
28 Wimauma	4,895	1.0	0.6	0.002
29 Little Manatee River	4,969	1.0	0.7	0.002
30 Total	37,495	7.4	4.9	0.015

	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	43,699	582,875	258,131	(73,443)	0	811,261
32 Balm	46,700	683,869	255,696	(75,422)	0	910,843
33 Lithia	56,082	693,232	262,665	(71,155)	0	940,824
34 Grange Hall	38,381	547,587	219,176	(58,232)	0	746,911
35 Peace Creek	37,187	516,493	192,627	(51,400)	0	694,907
36 Bonnie Mine	37,631	350,911	142,270	(38,654)	0	492,158
37 Lake Hancock	38,843	459,483	176,505	(46,710)	0	628,121
38 Wimauma	50,171	464,417	156,649	(75,766)	0	595,471
39 Little Manatee River	80,942	69,470	34,492	(85,115)	0	99,789
40 Total	429,635	4,368,337	1,698,211	(575,898)	0	5,920,285

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: NOVEMBER 25, 2020**

**Tampa Electric Company  
SoBRA Projects  
Year-to-Date October 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	124,912	24.3	0.8	15,928,330
2 Balm	74.2	131,001	24.1	0.8	
3 Lithia	74.3	125,351	23.1	0.8	
4 Grange Hall	60.8	103,782	23.3	0.7	
5 Peace Creek	54.8	90,356	22.5	0.6	
6 Bonnie Mine	37.4	58,996	21.6	0.4	
7 Lake Hancock	49.4	71,276	19.7	0.4	
8 Wimauma	74.7	103,419	27.0	0.6	
9 Little Manatee River	74.3	126,869	26.6	0.8	
10 Total	570.0	935,962	23.7	5.9	

	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	2.83	0	NA	54,775	82.31
12 Balm	0	2.83	0	NA	57,445	82.31
13 Lithia	807,303	2.83	0	NA	7,405	82.31
14 Grange Hall	668,391	2.83	0	NA	6,131	82.31
15 Peace Creek	581,923	2.83	0	NA	5,338	82.31
16 Bonnie Mine	379,954	2.83	0	NA	3,485	82.31
17 Lake Hancock	459,042	2.83	0	NA	4,211	82.31
18 Wimauma	712,689	2.83	0	NA	22	82.31
19 Little Manatee River	927,734	2.83	0	NA	22	82.31
20 Total	4,537,036		0		138,835	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	57,345	11.7	8.3	0.024
22 Balm	60,145	12.2	8.7	0.026
23 Lithia	57,587	11.7	8.4	0.025
24 Grange Hall	47,649	9.7	6.9	0.020
25 Peace Creek	41,465	8.4	6.0	0.018
26 Bonnie Mine	27,081	5.5	3.9	0.011
27 Lake Hancock	32,618	6.6	4.6	0.013
28 Wimauma	44,202	8.7	5.8	0.017
29 Little Manatee River	57,813	11.6	8.0	0.024
30 Total	425,905	86.1	60.7	0.178

	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	452,710	5,903,901	2,605,027	(734,432)	0	8,227,206
32 Balm	486,491	6,906,949	2,553,360	(754,217)	0	9,192,583
33 Lithia	571,344	7,001,246	2,626,940	(712,517)	0	9,487,012
34 Grange Hall	392,909	5,534,211	2,277,225	(583,478)	0	7,620,867
35 Peace Creek	289,424	5,207,239	1,947,919	(518,194)	0	6,926,387
36 Bonnie Mine	331,938	3,544,775	1,423,233	(389,723)	0	4,910,222
37 Lake Hancock	411,213	4,639,096	1,763,208	(467,628)	0	6,345,889
38 Wimauma	215,637	3,074,860	956,524	(530,363)	0	3,716,658
39 Little Manatee River	864,056	482,295	212,604	(766,031)	0	792,924
40 Total	4,015,721	42,294,572	16,366,040	(5,456,584)	0	57,219,749

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