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July 27, 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 June 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 27th day of July 2020 to the following:

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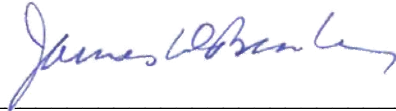
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
June 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	2,399	(199)	(216)	(212)	(181)	(175)	(110)	(160)	(137)	(220)
2	2,227	(199)	(216)	(212)	(181)	(175)	(110)	(159)	(138)	(220)
3	2,106	(199)	(217)	(212)	(182)	(175)	(110)	(159)	(138)	(221)
4	2,026	(199)	(217)	(213)	(182)	(174)	(110)	(159)	(139)	(222)
5	1,995	(199)	(217)	(213)	(181)	(174)	(110)	(159)	(139)	(221)
6	2,033	(199)	(216)	(213)	(181)	(173)	(110)	(159)	(139)	(221)
7	2,083	(14)	(60)	(54)	(81)	27	(2)	9	267	(47)
8	2,174	9,906	10,851	10,749	8,051	7,887	4,917	7,191	11,572	10,894
9	2,385	30,604	33,319	32,082	25,018	23,462	15,151	19,994	33,183	35,174
10	2,655	40,734	44,867	42,199	36,000	31,714	20,916	26,735	45,804	47,724
11	2,931	45,852	47,854	44,736	38,583	34,973	23,875	30,397	48,272	51,919
12	3,195	49,234	52,524	47,414	41,549	36,341	23,777	31,266	54,477	53,875
13	3,425	49,012	51,721	46,817	42,991	37,782	24,143	31,296	53,237	54,839
14	3,589	48,115	53,935	47,953	40,943	36,724	23,438	31,393	52,715	55,811
15	3,700	43,602	47,345	41,259	37,396	32,591	20,708	29,069	49,307	53,269
16	3,752	41,839	47,773	42,512	34,980	28,514	17,883	24,741	47,536	50,735
17	3,761	34,887	41,980	37,269	34,237	22,875	15,359	20,072	43,181	49,359
18	3,736	31,641	36,481	34,156	28,750	20,412	12,961	16,969	35,427	43,501
19	3,621	19,302	23,721	23,514	19,247	11,583	8,082	10,862	25,255	30,675
20	3,432	7,511	8,193	7,759	6,015	4,253	3,141	3,760	8,912	9,829
21	3,270	(41)	(117)	(85)	(87)	(118)	19	(125)	262	3
22	3,108	(203)	(221)	(203)	(182)	(179)	(110)	(161)	(130)	(221)
23	2,871	(198)	(216)	(201)	(181)	(174)	(110)	(160)	(134)	(220)
24	2,630	(198)	(217)	(203)	(181)	(174)	(110)	(160)	(135)	(220)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 2020007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: JULY 27, 2020**

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: JULY 27, 2020**

**Tampa Electric Company
SoBRA Projects
June 2020**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	13,513	26.7	0.8	1,694,408
2 Balm	74.4	14,952	27.9	0.9	
3 Lithia	74.5	13,692	25.5	0.8	
4 Grange Hall	61.1	11,758	26.7	0.7	
5 Peace Creek	55.4	9,825	24.6	0.6	
6 Bonnie Mine	37.5	6,402	23.7	0.4	
7 Lake Hancock	49.5	8,466	23.8	0.5	
8 Wimauma	74.8	15,246	28.3	0.9	
9 Little Manatee River	74.5	16,368	30.5	1.0	
10 Total	572.0	110,222	26.8	6.5	

	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)
11 Payne Creek	0	2.53	0	NA	5,926	63.66
12 Balm	0	2.53	0	NA	6,557	63.66
13 Lithia	88,181	2.53	0	NA	809	63.66
14 Grange Hall	75,725	2.53	0	NA	695	63.66
15 Peace Creek	63,276	2.53	0	NA	580	63.66
16 Bonnie Mine	41,231	2.53	0	NA	378	63.66
17 Lake Hancock	54,524	2.53	0	NA	500	63.66
18 Wimauma	111,848	2.53	0	NA	3	63.66
19 Little Manatee River	120,079	2.53	0	NA	4	63.66
20 Total	554,864		0		15,452	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	6,148	1.2	0.8	0.002
22 Balm	6,803	1.3	0.9	0.003
23 Lithia	6,230	1.2	0.8	0.002
24 Grange Hall	5,350	1.1	0.7	0.002
25 Peace Creek	4,470	0.9	0.6	0.002
26 Bonnie Mine	2,913	0.6	0.4	0.001
27 Lake Hancock	3,852	0.8	0.5	0.001
28 Wimauma	6,937	1.4	0.9	0.003
29 Little Manatee River	7,447	1.5	1.0	0.003
30 Total	50,151	9.9	6.6	0.019

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	26,761	589,272	258,728	(73,443)	0	801,318
32 Balm	29,674	689,766	255,695	(75,422)	0	899,713
33 Lithia	31,237	699,300	262,665	(71,155)	0	922,046
34 Grange Hall	24,347	552,683	219,168	(58,232)	0	737,966
35 Peace Creek	20,836	521,925	197,703	(51,400)	0	689,064
36 Bonnie Mine	20,056	354,240	142,275	(38,654)	0	477,917
37 Lake Hancock	23,810	463,157	176,181	(46,710)	0	616,437
38 Wimauma	64,743	467,565	156,342	(75,766)	0	612,884
39 Little Manatee River	85,462	70,096	31,485	(85,115)	0	101,929
40 Total	326,926	4,408,004	1,700,242	(575,898)	0	5,859,273

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: JULY 27, 2020**

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

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	75,803	24.7	0.8	9,092,429
2 Balm	74.4	80,647	24.8	0.9	
3 Lithia	74.5	79,772	24.5	0.9	
4 Grange Hall	61.1	63,187	23.7	0.7	
5 Peace Creek	55.4	54,862	22.7	0.6	
6 Bonnie Mine	37.5	35,811	21.9	0.4	
7 Lake Hancock	49.5	40,410	18.7	0.4	
8 Wimauma	74.8	52,876	32.4	0.6	
9 Little Manatee River	74.5	77,104	29.7	0.8	
10 Total	572.0	560,472	24.7	6.2	

	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)
11 Payne Creek	0	2.72	0	NA	33,240	95.65
12 Balm	0	2.72	0	NA	35,364	95.65
13 Lithia	513,759	2.72	0	NA	4,713	95.65
14 Grange Hall	406,946	2.72	0	NA	3,733	95.65
15 Peace Creek	353,330	2.72	0	NA	3,241	95.65
16 Bonnie Mine	230,635	2.72	0	NA	2,116	95.65
17 Lake Hancock	260,254	2.72	0	NA	2,387	95.65
18 Wimauma	341,896	2.72	0	NA	11	95.65
19 Little Manatee River	562,649	2.72	0	NA	11	95.65
20 Total	2,669,468		0		84,816	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	35,001	7.2	5.4	0.016
22 Balm	37,234	7.7	5.7	0.017
23 Lithia	36,849	7.6	5.7	0.017
24 Grange Hall	29,178	6.0	4.5	0.013
25 Peace Creek	25,315	5.2	3.9	0.011
26 Bonnie Mine	16,532	3.4	2.5	0.007
27 Lake Hancock	18,574	3.8	2.7	0.008
28 Wimauma	21,205	4.2	2.8	0.008
29 Little Manatee River	35,170	7.1	5.0	0.015
30 Total	255,057	52.3	38.2	0.112

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	292,692	3,564,337	1,571,528	(440,659)	0	4,987,898
32 Balm	303,128	4,163,864	1,530,576	(452,530)	0	5,545,038
33 Lithia	350,184	4,220,468	1,576,280	(427,896)	0	5,719,036
34 Grange Hall	248,913	3,337,206	1,400,543	(350,549)	0	4,636,114
35 Peace Creek	158,413	3,133,882	1,176,150	(312,594)	0	4,155,851
36 Bonnie Mine	214,635	2,136,789	854,151	(235,106)	0	2,970,469
37 Lake Hancock	261,744	2,796,065	1,057,365	(280,787)	0	3,834,387
38 Wimauma	84,383	1,213,236	330,209	(227,298)	0	1,400,529
39 Little Manatee River	480,055	203,687	77,724	(425,573)	0	335,893
40 Total	2,394,147	24,769,534	9,574,526	(3,152,992)	0	33,585,215

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.