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June 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 May 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 June 2020 to the following:

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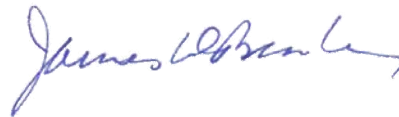
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
May 2020**

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

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)									
		Payne Creek In Service	Balm In Service	Lithia In Service	Grange Hall In Service	Peace Creek In Service	Bonnie Mine In Service	Lake Hancock In Service	Wimauma In Service	Little Manatee River In Service	
1	2,015	(188)	(214)	(221)	(185)	(169)	(111)	(157)	(138)	(219)	
2	1,859	(188)	(216)	(222)	(186)	(170)	(111)	(158)	(138)	(219)	
3	1,749	(188)	(216)	(222)	(186)	(170)	(111)	(158)	(140)	(219)	
4	1,681	(188)	(217)	(222)	(186)	(171)	(111)	(158)	(139)	(220)	
5	1,656	(188)	(223)	(222)	(185)	(170)	(111)	(158)	(139)	(220)	
6	1,690	(189)	(223)	(221)	(185)	(170)	(111)	(158)	(138)	(219)	
7	1,742	(103)	(155)	(160)	(140)	(91)	(52)	(79)	102	(115)	
8	1,829	10,577	11,393	13,031	8,283	8,468	4,612	8,059	12,253	11,771	
9	2,016	31,093	36,108	36,758	27,400	25,435	15,579	22,202	37,386	37,666	
10	2,240	42,218	48,734	49,000	38,269	34,594	21,809	28,753	50,585	50,991	
11	2,466	47,726	53,193	50,935	41,876	36,945	23,245	30,203	56,711	55,832	
12	2,687	51,888	57,254	54,571	44,229	39,824	24,884	33,161	57,527	59,471	
13	2,893	54,008	59,421	58,424	46,272	40,713	25,369	34,359	59,304	61,627	
14	3,068	55,959	57,252	57,365	46,673	41,882	26,424	34,478	58,076	63,243	
15	3,201	55,683	56,133	54,646	45,172	40,303	25,027	32,192	57,933	61,127	
16	3,290	51,059	52,372	50,662	41,436	38,750	24,294	30,024	53,742	56,414	
17	3,334	44,049	48,499	45,382	36,946	35,294	21,929	27,784	50,892	54,182	
18	3,318	36,127	44,638	39,463	32,800	28,017	18,702	24,214	46,685	47,792	
19	3,209	23,797	28,927	28,294	21,208	18,723	12,013	17,081	29,979	33,690	
20	3,014	5,561	6,984	7,258	4,720	4,185	2,518	3,906	8,359	8,377	
21	2,880	(251)	(283)	(259)	(207)	(215)	(100)	(196)	(76)	(292)	
22	2,710	(188)	(222)	(217)	(186)	(171)	(112)	(158)	(132)	(218)	
23	2,481	(186)	(219)	(215)	(185)	(169)	(111)	(157)	(133)	(217)	
24	2,249	(185)	(213)	(216)	(185)	(169)	(111)	(157)	(136)	(218)	

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

**Tampa Electric Company
SoBRA Projects
May 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	15,737	30.1	1.1	1,443,877
2 Balm	74.4	17,307	31.3	1.2	
3 Lithia	74.5	16,838	30.4	1.2	
4 Grange Hall	61.1	13,409	29.5	0.9	
5 Peace Creek	55.4	12,148	29.5	0.8	
6 Bonnie Mine	37.5	7,617	27.3	0.5	
7 Lake Hancock	49.5	10,052	27.3	0.7	
8 Wimauma	74.8	17,898	32.2	1.2	
9 Little Manatee River	74.5	18,581	33.5	1.3	
10 Total	572.0	129,587	30.5	9.0	

	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)
11 Payne Creek	0	2.89	0	NA	6,901	0.00
12 Balm	0	2.89	0	NA	7,589	0.00
13 Lithia	108,442	2.89	0	NA	995	0.00
14 Grange Hall	86,358	2.89	0	NA	792	0.00
15 Peace Creek	78,237	2.89	0	NA	718	0.00
16 Bonnie Mine	49,056	2.89	0	NA	450	0.00
17 Lake Hancock	64,738	2.89	0	NA	594	0.00
18 Wimauma	131,303	2.89	0	NA	4	0.00
19 Little Manatee River	136,314	2.89	0	NA	4	0.00
20 Total	654,449		0		18,047	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	7,160	1.4	0.9	0.003
22 Balm	7,875	1.6	1.0	0.003
23 Lithia	7,661	1.5	1.0	0.003
24 Grange Hall	6,101	1.2	0.8	0.002
25 Peace Creek	5,527	1.1	0.7	0.002
26 Bonnie Mine	3,466	0.7	0.5	0.001
27 Lake Hancock	4,574	0.9	0.6	0.002
28 Wimauma	8,144	1.6	1.1	0.003
29 Little Manatee River	8,454	1.7	1.1	0.003
30 Total	58,962	11.7	7.8	0.023

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	44,994	591,528	258,735	(73,443)	0	821,814
32 Balm	46,342	691,821	255,773	(75,422)	0	918,515
33 Lithia	48,426	701,314	262,665	(71,155)	0	941,249
34 Grange Hall	41,679	554,349	219,167	(58,232)	0	756,963
35 Peace Creek	35,458	522,964	197,693	(51,400)	0	704,715
36 Bonnie Mine	28,091	355,377	142,322	(38,654)	0	487,136
37 Lake Hancock	42,582	464,420	176,144	(46,710)	0	636,435
38 Wimauma	1,720	487,082	171,842	(75,766)	0	584,878
39 Little Manatee River	109,336	47,909	12,200	(85,115)	0	84,330
40 Total	398,628	4,416,764	1,696,541	(575,898)	0	5,936,035

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. \$0/ton due to no coal consumed in May.

(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: JUNE 25, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date May 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	62,290	24.3	0.8	7,398,021
2 Balm	74.4	65,695	24.2	0.9	
3 Lithia	74.5	66,080	24.3	0.9	
4 Grange Hall	61.1	51,429	23.1	0.7	
5 Peace Creek	55.4	45,037	22.3	0.6	
6 Bonnie Mine	37.5	29,409	21.5	0.4	
7 Lake Hancock	49.5	31,944	17.7	0.4	
8 Wimauma	74.8	37,630	34.4	0.5	
9 Little Manatee River	74.5	60,736	29.5	0.8	
10 Total	572.0	450,250	24.3	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)
11 Payne Creek	0	2.76	0	NA	27,315	112.26
12 Balm	0	2.76	0	NA	28,808	112.26
13 Lithia	425,578	2.76	0	NA	3,904	112.26
14 Grange Hall	331,220	2.76	0	NA	3,038	112.26
15 Peace Creek	290,053	2.76	0	NA	2,661	112.26
16 Bonnie Mine	189,404	2.76	0	NA	1,737	112.26
17 Lake Hancock	205,730	2.76	0	NA	1,887	112.26
18 Wimauma	230,048	2.76	0	NA	7	112.26
19 Little Manatee River	442,570	2.76	0	NA	7	112.26
20 Total	2,114,604		0		69,364	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	28,852	6.0	4.6	0.013
22 Balm	30,431	6.3	4.8	0.014
23 Lithia	30,619	6.4	4.8	0.014
24 Grange Hall	23,828	5.0	3.8	0.011
25 Peace Creek	20,845	4.3	3.3	0.010
26 Bonnie Mine	13,619	2.8	2.1	0.006
27 Lake Hancock	14,722	3.0	2.2	0.006
28 Wimauma	14,268	2.8	1.9	0.006
29 Little Manatee River	27,723	5.6	4.1	0.012
30 Total	204,906	42.4	31.5	0.092

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	265,931	2,975,065	1,312,800	(367,216)	0	4,186,580
32 Balm	273,454	3,474,098	1,274,881	(377,109)	0	4,645,325
33 Lithia	318,947	3,521,168	1,313,615	(356,741)	0	4,796,989
34 Grange Hall	224,566	2,784,523	1,181,375	(292,316)	0	3,898,148
35 Peace Creek	137,577	2,611,957	978,447	(261,194)	0	3,466,787
36 Bonnie Mine	194,579	1,782,549	711,876	(196,451)	0	2,492,552
37 Lake Hancock	237,934	2,332,908	881,184	(234,076)	0	3,217,950
38 Wimauma	19,640	745,671	173,867	(151,532)	0	787,645
39 Little Manatee River	394,592	133,591	46,239	(340,458)	0	233,964
40 Total	2,067,221	20,361,530	7,874,284	(2,577,094)	0	27,725,942

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.