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April 24, 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 March 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 24th day of April 2020 to the following:

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ATTORNEY

**Tampa Electric Company
SoBRA Projects
March 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	Testing	In Service
1	1,721	(193)	(244)	(218)	(167)	(164)	(109)	(122)	(114)	(218)
2	1,624	(193)	(245)	(220)	(166)	(166)	(109)	(122)	(115)	(218)
3	1,570	(194)	(243)	(221)	(167)	(166)	(109)	(122)	(113)	(218)
4	1,559	(194)	(244)	(221)	(167)	(166)	(109)	(123)	(114)	(219)
5	1,611	(193)	(244)	(221)	(167)	(166)	(109)	(123)	(114)	(219)
6	1,723	(194)	(244)	(220)	(167)	(165)	(109)	(120)	(113)	(218)
7	1,832	(188)	(239)	(213)	(163)	(158)	(104)	(110)	(113)	(217)
8	1,929	2,189	1,893	2,257	1,520	1,634	875	175	202	1,857
9	2,071	18,453	19,712	20,937	13,902	13,461	8,183	7,369	4,740	19,642
10	2,231	39,490	42,165	43,704	31,491	29,220	18,020	19,371	11,615	45,217
11	2,386	51,029	51,680	53,209	40,434	36,596	22,663	24,349	19,226	56,966
12	2,543	54,080	53,595	56,059	42,456	39,626	24,740	25,724	22,628	60,264
13	2,679	54,174	53,619	56,915	44,562	38,337	24,009	24,076	24,221	63,352
14	2,786	52,708	52,087	55,259	42,709	37,430	24,193	23,116	24,611	61,550
15	2,869	49,768	50,426	53,286	41,008	34,469	22,380	23,153	24,426	57,109
16	2,928	48,573	45,530	47,600	39,632	31,968	20,919	23,265	23,162	56,363
17	2,943	41,507	41,220	44,641	32,924	28,162	18,135	19,461	20,819	51,811
18	2,873	30,404	31,981	31,886	23,734	22,616	12,719	17,855	18,879	42,791
19	2,762	15,178	17,048	16,200	11,795	10,241	5,180	8,176	9,634	21,236
20	2,703	924	1,192	1,334	781	425	307	337	906	1,660
21	2,515	(195)	(251)	(223)	(169)	(169)	(108)	(131)	(115)	(229)
22	2,299	(188)	(244)	(219)	(167)	(163)	(110)	(127)	(113)	(218)
23	2,075	(188)	(243)	(218)	(166)	(161)	(109)	(126)	(114)	(218)
24	1,804	(190)	(243)	(218)	(166)	(163)	(109)	(127)	(115)	(218)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: APRIL 24, 2020**

**Tampa Electric Company
SoBRA Projects
March 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	14,145	27.1	0.9	1,625,095
2 Balm	74.4	14,250	25.8	0.9	
3 Lithia	74.5	14,906	26.9	0.9	
4 Grange Hall	61.1	11,320	24.9	0.7	
5 Peace Creek	55.4	9,992	24.3	0.6	
6 Bonnie Mine	37.5	6,233	22.4	0.4	
7 Lake Hancock	49.5	6,666	18.1	0.4	
8 Wimauma	74.8	6,316	-	0.4	
9 Little Manatee River	74.5	16,661	30.1	1.0	
10 Total	572.0	100,489	27.2	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	2.57	0	NA	6,203	(558.15)
12 Balm	0	2.57	0	NA	6,249	(558.15)
13 Lithia	96,000	2.57	0	NA	881	(558.15)
14 Grange Hall	72,905	2.57	0	NA	669	(558.15)
15 Peace Creek	64,352	2.57	0	NA	590	(558.15)
16 Bonnie Mine	40,143	2.57	0	NA	368	(558.15)
17 Lake Hancock	42,931	2.57	0	NA	394	(558.15)
18 Wimauma	-	-	-	-	-	-
19 Little Manatee River	122,228	2.57	0	NA	0	(558.15)
20 Total	438,558		0		15,353	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	6,436	1.3	0.8	0.002
22 Balm	6,484	1.3	0.9	0.003
23 Lithia	6,782	1.3	0.9	0.003
24 Grange Hall	5,151	1.0	0.7	0.002
25 Peace Creek	4,546	0.9	0.6	0.002
26 Bonnie Mine	2,836	0.6	0.4	0.001
27 Lake Hancock	3,033	0.6	0.4	0.001
28 Wimauma	-	-	-	-
29 Little Manatee River	7,581	1.5	1.0	0.003
30 Total	42,849	8.5	5.7	0.017

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	46,071	595,912	258,772	(73,443)	0	827,312
32 Balm	35,314	696,218	255,815	(75,422)	0	911,925
33 Lithia	63,034	705,651	262,820	(71,075)	0	960,430
34 Grange Hall	31,097	557,985	219,230	(58,136)	0	750,176
35 Peace Creek	16,071	525,456	197,475	(50,959)	0	688,043
36 Bonnie Mine	30,032	357,525	142,656	(38,352)	0	491,861
37 Lake Hancock	64,037	467,708	176,548	(46,649)	0	661,644
38 Wimauma	-	1,652	485	-	0	2,137
39 Little Manatee River	63,184	24,769	11,111	(85,076)	0	13,988
40 Total	348,840	3,932,876	1,524,912	(499,111)	0	5,307,517

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. Negative \$/ton due to prior period adjustments.

(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: APRIL 24, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date March 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	34,560	22.5	0.8	4,516,191
2 Balm	74.4	35,838	22.1	0.8	
3 Lithia	74.5	37,006	22.8	0.8	
4 Grange Hall	61.1	28,431	21.3	0.6	
5 Peace Creek	55.4	24,112	19.9	0.5	
6 Bonnie Mine	37.5	15,734	19.2	0.3	
7 Lake Hancock	49.5	14,146	13.1	0.3	
8 Wimauma	74.8	6,272	-	0.1	
9 Little Manatee River	74.5	28,026	29.0	0.6	
10 Total	572.0	224,125	22.0	5.0	

	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	2.75	0	NA	15,155	103.40
12 Balm	0	2.75	0	NA	15,715	103.40
13 Lithia	238,331	2.75	0	NA	2,186	103.40
14 Grange Hall	183,105	2.75	0	NA	1,680	103.40
15 Peace Creek	155,289	2.75	0	NA	1,424	103.40
16 Bonnie Mine	101,332	2.75	0	NA	930	103.40
17 Lake Hancock	91,105	2.75	0	NA	836	103.40
18 Wimauma	-	-	-	-	-	-
19 Little Manatee River	202,604	2.75	0	NA	0	103.40
20 Total	971,767		0		37,926	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	16,235	3.5	2.9	0.008
22 Balm	16,846	3.7	3.0	0.009
23 Lithia	17,390	3.8	3.1	0.009
24 Grange Hall	13,364	2.9	2.4	0.007
25 Peace Creek	11,324	2.5	2.0	0.006
26 Bonnie Mine	7,396	1.6	1.3	0.004
27 Lake Hancock	6,623	1.4	1.1	0.003
28 Wimauma	-	-	-	-
29 Little Manatee River	12,840	2.7	2.1	0.006
30 Total	102,019	22.0	18.0	0.052

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	148,413	1,790,258	795,106	(220,330)	0	2,513,448
32 Balm	155,438	2,088,834	763,251	(226,265)	0	2,781,258
33 Lithia	190,130	2,117,024	788,251	(213,225)	0	2,882,180
34 Grange Hall	116,777	1,674,534	742,989	(174,408)	0	2,359,891
35 Peace Creek	66,450	1,565,358	583,136	(152,876)	0	2,062,068
36 Bonnie Mine	119,665	1,071,008	426,867	(115,055)	0	1,502,485
37 Lake Hancock	133,664	1,403,076	528,854	(139,946)	0	1,925,648
38 Wimauma	-	4,834	1,459	-	0	6,293
39 Little Manatee River	188,118	60,149	21,972	(170,152)	0	100,087
40 Total	1,118,655	11,775,075	4,651,885	(1,412,257)	0	16,133,359

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.