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May 26, 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 April 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 26th day of May 2020 to the following:

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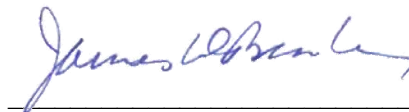
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
April 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	1,841	(189)	(236)	(224)	(186)	(167)	(112)	(155)	(138)	(212)
2	1,708	(188)	(238)	(224)	(187)	(166)	(112)	(155)	(139)	(212)
3	1,615	(189)	(239)	(224)	(186)	(167)	(112)	(156)	(139)	(212)
4	1,559	(190)	(240)	(224)	(187)	(168)	(112)	(156)	(140)	(213)
5	1,547	(189)	(240)	(225)	(188)	(169)	(112)	(156)	(139)	(213)
6	1,591	(189)	(239)	(224)	(187)	(169)	(112)	(153)	(138)	(212)
7	1,652	(189)	(238)	(224)	(186)	(168)	(109)	(156)	(133)	(213)
8	1,711	2,726	2,592	2,896	1,950	1,866	1,287	1,866	2,624	2,865
9	1,833	18,202	17,492	21,328	13,502	12,381	9,438	12,392	17,091	20,116
10	1,997	29,890	28,372	30,178	23,316	23,478	16,688	20,858	28,717	35,730
11	2,161	38,952	38,630	37,961	29,412	25,858	19,284	22,898	37,120	41,622
12	2,326	42,497	41,838	40,363	32,778	31,469	21,539	27,083	43,957	46,131
13	2,489	42,974	47,007	44,115	35,171	32,804	22,304	28,468	49,522	50,589
14	2,628	43,851	46,780	44,843	35,475	32,411	23,139	29,372	50,300	51,529
15	2,735	42,687	45,715	42,503	34,639	32,833	21,858	28,255	49,881	49,416
16	2,818	42,832	45,435	42,821	34,847	31,536	20,571	27,217	50,699	54,353
17	2,879	39,871	43,293	40,283	33,426	29,540	19,526	25,850	47,521	49,893
18	2,893	35,234	38,668	36,914	29,208	24,440	16,786	21,379	40,705	43,717
19	2,805	19,466	22,256	22,911	15,902	14,103	9,491	12,720	22,626	23,876
20	2,656	2,693	2,863	3,240	2,060	1,729	1,217	1,558	3,550	3,533
21	2,585	(217)	(268)	(238)	(190)	(190)	(109)	(175)	(133)	(259)
22	2,408	(187)	(236)	(222)	(184)	(166)	(111)	(154)	(137)	(211)
23	2,202	(187)	(234)	(221)	(185)	(167)	(111)	(154)	(135)	(212)
24	1,998	(188)	(235)	(223)	(186)	(166)	(111)	(155)	(138)	(212)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: MAY 26, 2020**

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DOCKET NO. 20200007-EI
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**Tampa Electric Company
SoBRA Projects
April 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	11,993	23.7	0.8	1,437,953
2 Balm	74.4	12,550	23.4	0.9	
3 Lithia	74.5	12,236	22.8	0.9	
4 Grange Hall	61.1	9,589	21.8	0.7	
5 Peace Creek	55.4	8,777	22.0	0.6	
6 Bonnie Mine	37.5	6,058	22.4	0.4	
7 Lake Hancock	49.5	7,746	21.7	0.5	
8 Wimauma	74.8	13,460	25.0	0.9	
9 Little Manatee River	74.5	14,129	26.3	1.0	
10 Total	572.0	96,538	23.4	6.7	

	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	2.67	0	NA	5,259	0.00
12 Balm	0	2.67	0	NA	5,503	0.00
13 Lithia	78,804	2.67	0	NA	723	0.00
14 Grange Hall	61,756	2.67	0	NA	566	0.00
15 Peace Creek	56,527	2.67	0	NA	519	0.00
16 Bonnie Mine	39,016	2.67	0	NA	358	0.00
17 Lake Hancock	49,887	2.67	0	NA	458	0.00
18 Wimauma	98,745	2.67	0	NA	3	0.00
19 Little Manatee River	103,653	2.67	0	NA	3	0.00
20 Total	488,388		0		13,392	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	5,457	1.1	0.7	0.002
22 Balm	5,710	1.1	0.8	0.002
23 Lithia	5,567	1.1	0.7	0.002
24 Grange Hall	4,363	0.9	0.6	0.002
25 Peace Creek	3,994	0.8	0.5	0.002
26 Bonnie Mine	2,756	0.5	0.4	0.001
27 Lake Hancock	3,524	0.7	0.5	0.001
28 Wimauma	6,124	1.2	0.8	0.002
29 Little Manatee River	6,429	1.3	0.8	0.002
30 Total	43,925	8.7	5.8	0.017

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	72,524	593,279	258,959	(73,443)	0	851,319
32 Balm	71,674	693,443	255,857	(75,422)	0	945,552
33 Lithia	80,391	702,830	262,699	(72,360)	0	973,560
34 Grange Hall	66,111	555,640	219,219	(59,676)	0	781,294
35 Peace Creek	35,669	523,635	197,618	(56,918)	0	700,004
36 Bonnie Mine	46,822	356,164	142,687	(42,742)	0	502,931
37 Lake Hancock	61,689	465,412	176,186	(47,420)	0	655,867
38 Wimauma	17,919	253,755	566	(75,766)	0	196,474
39 Little Manatee River	97,139	25,533	12,067	(85,192)	0	49,547
40 Total	549,938	4,169,691	1,525,858	(588,939)	0	5,656,548

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 April.

(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: MAY 26, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date April 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	46,553	22.8	0.8	5,954,144
2 Balm	74.4	48,388	22.4	0.8	
3 Lithia	74.5	49,242	22.8	0.8	
4 Grange Hall	61.1	38,020	21.4	0.6	
5 Peace Creek	55.4	32,889	20.5	0.6	
6 Bonnie Mine	37.5	21,792	20.0	0.4	
7 Lake Hancock	49.5	21,892	15.2	0.4	
8 Wimauma	74.8	19,732	36.6	0.3	
9 Little Manatee River	74.5	42,155	28.1	0.7	
10 Total	572.0	320,663	22.4	5.4	

	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	2.73	0	NA	20,414	107.84
12 Balm	0	2.73	0	NA	21,219	107.84
13 Lithia	317,135	2.73	0	NA	2,909	107.84
14 Grange Hall	244,862	2.73	0	NA	2,246	107.84
15 Peace Creek	211,816	2.73	0	NA	1,943	107.84
16 Bonnie Mine	140,348	2.73	0	NA	1,287	107.84
17 Lake Hancock	140,992	2.73	0	NA	1,293	107.84
18 Wimauma	98,745	2.73	0	NA	3	107.84
19 Little Manatee River	306,257	2.73	0	NA	3	107.84
20 Total	1,460,154		0		51,318	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	21,692	4.6	3.6	0.011
22 Balm	22,556	4.8	3.8	0.011
23 Lithia	22,958	4.9	3.8	0.011
24 Grange Hall	17,727	3.8	3.0	0.009
25 Peace Creek	15,317	3.2	2.5	0.007
26 Bonnie Mine	10,153	2.2	1.7	0.005
27 Lake Hancock	10,148	2.1	1.6	0.005
28 Wimauma	6,124	1.2	0.8	0.002
29 Little Manatee River	19,268	4.0	2.9	0.009
30 Total	145,944	30.7	23.8	0.069

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	220,937	2,383,537	1,054,065	(293,773)	0	3,364,767
32 Balm	227,112	2,782,277	1,019,108	(301,687)	0	3,726,810
33 Lithia	270,521	2,819,854	1,050,950	(285,585)	0	3,855,740
34 Grange Hall	182,887	2,230,174	962,208	(234,084)	0	3,141,185
35 Peace Creek	102,119	2,088,993	780,754	(209,794)	0	2,762,072
36 Bonnie Mine	166,487	1,427,172	569,554	(157,797)	0	2,005,416
37 Lake Hancock	195,353	1,868,488	705,040	(187,366)	0	2,581,515
38 Wimauma	17,919	258,589	2,025	(75,766)	0	202,767
39 Little Manatee River	285,257	85,682	34,039	(255,344)	0	149,634
40 Total	1,668,593	15,944,766	6,177,743	(2,001,195)	0	21,789,907

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.