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December 20, 2019

VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

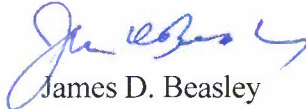
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20190007-EI

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 November 2019, 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/pp
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 20th day of December 2019 to the following:

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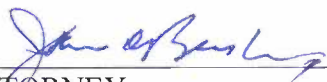
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ATTORNEY

Tampa Electric Company
SoBRA Projects
November 2019

Hour	System Retail Demand	Average Hourly Net Output (kWh)						
	(MW)	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
1	1,833	(180)	(207)	(213)	(168)	(157)	(110)	(145)
2	1,649	(179)	(207)	(213)	(169)	(158)	(110)	(145)
3	1,565	(179)	(207)	(213)	(168)	(159)	(110)	(145)
4	1,517	(181)	(206)	(212)	(169)	(159)	(110)	(145)
5	1,501	(181)	(207)	(212)	(168)	(158)	(110)	(145)
6	1,524	(181)	(219)	(220)	(174)	(160)	(110)	(146)
7	1,626	(191)	(220)	(229)	(178)	(157)	(101)	(142)
8	1,771	(105)	(178)	(153)	(42)	(17)	(8)	(20)
9	1,859	7,626	6,944	6,509	4,828	5,333	2,557	5,064
10	1,956	27,034	26,782	28,800	19,707	19,364	9,841	17,747
11	2,054	37,933	38,078	37,814	29,965	27,845	13,255	24,407
12	2,146	40,435	41,356	41,679	33,541	29,811	14,837	26,378
13	2,228	41,396	41,672	42,139	34,009	29,365	15,048	26,395
14	2,300	39,838	42,497	42,445	34,275	28,263	14,579	25,772
15	2,352	38,280	40,465	40,385	31,436	27,031	13,904	25,021
16	2,388	35,954	37,058	37,946	29,408	23,976	12,788	22,699
17	2,400	30,680	31,098	31,837	25,847	20,497	10,894	19,843
18	2,381	14,039	14,715	15,605	10,938	8,094	5,189	7,824
19	2,376	930	969	1,255	498	369	268	505
20	2,403	124	(213)	158	(110)	(93)	(23)	10
21	2,315	(12)	(207)	(10)	(137)	(124)	(64)	(62)
22	2,211	(183)	(207)	(211)	(166)	(157)	(110)	(145)
23	2,076	(185)	(206)	(211)	(166)	(156)	(110)	(145)
24	1,915	(184)	(205)	(211)	(166)	(155)	(110)	(145)

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: DECEMBER 20, 2019**

**Tampa Electric Company
SoBRA Projects
November 2019**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	9,670	19.1	0.7	1,368,581
2 Balm	74.4	9,897	18.5	0.7	
3 Lithia	74.5	10,037	18.7	0.7	
4 Grange Hall	61.1	7,822	17.8	0.6	
5 Peace Creek	55.4	6,756	16.9	0.5	
6 Bonnie Mine	37.5	3,466	12.8	0.3	
7 Lake Hancock	49.5	6,194	17.4	0.5	
8 Little Manatee River	-	-	-	-	-
9 Total	422.7	53,842	17.7	3.9	

	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)
10 Payne Creek	30,793	3.59	0	NA	2,329	76.09
11 Balm	31,516	3.59	0	NA	2,384	76.09
12 Lithia	70,619	3.59	0	NA	257	76.09
13 Grange Hall	55,034	3.59	0	NA	200	76.09
14 Peace Creek	47,534	3.59	0	NA	173	76.09
15 Bonnie Mine	24,386	3.59	0	NA	89	76.09
16 Lake Hancock	43,580	3.59	0	NA	159	76.09
17 Little Manatee River	-	-	-	-	-	-
18 Total	303,462		0		5,590	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
19 Payne Creek	4,642	1.1	1.0	0.003
20 Balm	4,751	1.1	1.0	0.003
21 Lithia	4,818	1.1	1.0	0.003
22 Grange Hall	3,755	0.9	0.8	0.002
23 Peace Creek	3,243	0.7	0.7	0.002
24 Bonnie Mine	1,664	0.4	0.3	0.001
25 Lake Hancock	2,973	0.7	0.6	0.002
26 Little Manatee River	-	-	-	-
27 Total	25,844	5.9	5.4	0.016

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
28 Payne Creek	11,823	599,993	267,732	(73,443)	0	806,104
29 Balm	13,406	697,861	252,779	(75,422)	0	888,625
30 Lithia	2,849	708,927	262,716	(75,650)	0	898,842
31 Grange Hall	478	561,170	262,426	(60,404)	0	763,670
32 Peace Creek	343	505,806	188,043	(54,166)	0	640,026
33 Bonnie Mine	9,965	356,936	141,999	(41,290)	0	467,610
34 Lake Hancock	3,595	466,660	172,894	(50,637)	0	592,512
35 Little Manatee River	125,458	-	-	-	-	125,458
36 Total	167,917	3,897,353	1,548,589	(431,012)	0	5,182,847

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
SoBRA Projects
Year-to-Date November 2019

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	117,627	20.9	0.7	18,022,511
2 Balm	74.4	129,725	21.8	0.7	
3 Lithia	74.5	116,065	19.4	0.6	
4 Grange Hall	61.1	99,322	20.3	0.6	
5 Peace Creek	55.4	83,817	22.9	0.5	
6 Bonnie Mine	37.5	64,414	22.9	0.4	
7 Lake Hancock	49.5	57,734	22.1	0.3	
8 Little Manatee River	-	-	-	-	-
9 Total	422.7	668,704	21.2	3.7	

	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)
10 Payne Creek	374,569	3.50	0	NA	28,332	80.10
11 Balm	413,094	3.50	0	NA	31,246	80.10
12 Lithia	816,613	3.50	0	NA	2,970	80.10
13 Grange Hall	698,812	3.50	0	NA	2,542	80.10
14 Peace Creek	589,722	3.50	0	NA	2,145	80.10
15 Bonnie Mine	453,206	3.50	0	NA	1,648	80.10
16 Lake Hancock	406,206	3.50	0	NA	1,477	80.10
17 Little Manatee River	-	-	-	-	-	-
18 Total	3,752,222		0		70,360	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
19 Payne Creek	56,461	12.9	11.8	0.034
20 Balm	62,268	14.3	13.0	0.038
21 Lithia	55,711	12.8	11.6	0.034
22 Grange Hall	47,675	10.9	9.9	0.029
23 Peace Creek	40,232	9.2	8.4	0.024
24 Bonnie Mine	30,919	7.1	6.4	0.019
25 Lake Hancock	27,712	6.4	5.8	0.017
26 Little Manatee River	-	-	-	-
27 Total	320,978	73.6	66.9	0.194

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
28 Payne Creek	170,213	6,576,670	2,881,702	(807,875)	0	8,820,710
29 Balm	190,668	7,637,908	2,821,905	(829,639)	0	9,820,842
30 Lithia	376,345	7,427,945	2,666,092	(832,147)	0	9,638,235
31 Grange Hall	123,834	5,809,058	2,406,101	(664,444)	0	7,674,549
32 Peace Creek	78,094	4,273,606	1,488,136	(460,414)	0	5,379,422
33 Bonnie Mine	151,767	3,419,034	1,292,485	(420,020)	0	4,443,265
34 Lake Hancock	112,653	3,009,008	964,629	(379,780)	0	3,706,511
35 Little Manatee River	313,470	-	-	-	-	313,470
36 Total	1,517,044	38,153,229	14,521,050	(4,394,319)	0	49,797,005

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.