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March 20, 2020

VIA: ELECTRONIC FILING

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

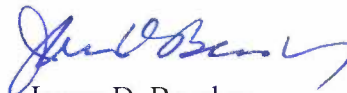
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20200007-EI

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 February 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 20th day of March 2020 to the following:

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ATTORNEY

**Tampa Electric Company
SoBRA Projects
February 2020**

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)								Wimauma Testing	Little Manatee River
		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	1,625	(193)	(234)	(221)	(180)	(170)	(110)	(33)	(44)	(190)	
2	1,545	(193)	(234)	(221)	(180)	(171)	(110)	(32)	(44)	(191)	
3	1,502	(194)	(234)	(220)	(180)	(171)	(110)	(32)	(44)	(191)	
4	1,487	(192)	(234)	(220)	(179)	(171)	(110)	(32)	(44)	(190)	
5	1,516	(193)	(234)	(220)	(179)	(171)	(110)	(32)	(44)	(190)	
6	1,628	(193)	(233)	(220)	(179)	(171)	(110)	(32)	(43)	(190)	
7	1,811	(192)	(231)	(217)	(179)	(169)	(108)	(31)	(44)	(188)	
8	1,913	3,890	4,261	4,463	3,010	2,650	1,617	341	(44)	3,401	
9	1,970	23,538	25,616	29,487	19,602	16,153	10,850	2,541	(44)	22,297	
10	2,017	41,069	42,063	43,202	34,313	29,654	18,116	4,514	(44)	38,485	
11	2,059	44,048	47,018	47,277	37,247	31,777	19,635	5,186	(43)	40,257	
12	2,086	45,225	46,703	47,326	37,083	31,922	20,806	5,734	(43)	45,086	
13	2,118	43,608	47,116	46,506	37,772	31,763	20,791	5,410	(43)	44,798	
14	2,153	44,372	46,826	48,044	38,482	31,495	21,047	5,775	(43)	47,985	
15	2,191	40,228	46,038	46,283	37,104	30,204	20,568	5,592	(43)	45,785	
16	2,220	36,281	40,569	42,505	32,596	27,954	19,540	4,961	(43)	41,222	
17	2,241	28,901	30,413	31,257	24,443	20,746	13,462	3,613	(42)	36,421	
18	2,246	10,415	11,245	11,767	8,371	6,846	4,375	906	(42)	13,444	
19	2,299	(59)	(78)	6	(72)	(98)	(24)	(42)	(43)	101	
20	2,304	(193)	(235)	(221)	(181)	(170)	(110)	(32)	(44)	(199)	
21	2,210	(192)	(234)	(220)	(180)	(169)	(110)	(32)	(45)	(195)	
22	2,079	(193)	(233)	(220)	(180)	(170)	(110)	(32)	(44)	(194)	
23	1,925	(192)	(233)	(219)	(179)	(169)	(110)	(32)	(45)	(193)	
24	1,765	(192)	(234)	(220)	(180)	(169)	(110)	(32)	(45)	(194)	

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 2020007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: MARCH 20, 2020**

Tampa Electric Company
SoBRA Projects
February 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	10,428	21.3	0.7	1,405,166
2 Balm	74.4	11,172	21.6	0.8	
3 Lithia	74.5	11,497	22.2	0.8	
4 Grange Hall	61.1	8,960	21.1	0.6	
5 Peace Creek	55.4	7,515	19.5	0.5	
6 Bonnie Mine	37.5	4,918	18.8	0.3	
7 Lake Hancock	49.5	1,280	3.7	0.1	
8 Wimauma	74.8	(33)	-	-	
9 Little Manatee River	74.5	10,956	26.6	0.8	
10 Total	572.0	66,693	19.9	4.7	

	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	2.68	0	NA	4,573	0.00
12 Balm	0	2.68	0	NA	4,899	0.00
13 Lithia	74,045	2.68	0	NA	679	0.00
14 Grange Hall	57,705	2.68	0	NA	529	0.00
15 Peace Creek	48,399	2.68	0	NA	444	0.00
16 Bonnie Mine	31,674	2.68	0	NA	291	0.00
17 Lake Hancock	8,244	2.68	0	NA	76	0.00
18 Wimauma	-	-	-	-	-	-
19 Little Manatee River	80,375	2.68	0	NA	0	0.00
20 Total	300,442		0		11,490	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	5,005	1.1	1.0	0.003
22 Balm	5,363	1.2	1.1	0.003
23 Lithia	5,519	1.3	1.1	0.003
24 Grange Hall	4,301	1.0	0.9	0.003
25 Peace Creek	3,607	0.8	0.8	0.002
26 Bonnie Mine	2,361	0.5	0.5	0.001
27 Lake Hancock	614	0.1	0.1	0.000
28 Wimauma	-	-	-	-
29 Little Manatee River	5,259	1.2	1.1	0.003
30 Total	32,028	7.3	6.7	0.019

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	41,632	596,027	268,204	(73,443)	0	832,420
32 Balm	45,184	695,433	253,658	(75,422)	0	918,854
33 Lithia	46,517	704,942	262,794	(71,075)	0	943,178
34 Grange Hall	36,422	557,643	262,101	(58,136)	0	798,030
35 Peace Creek	24,326	524,709	197,403	(50,959)	0	695,479
36 Bonnie Mine	24,936	356,765	142,328	(38,352)	0	485,678
37 Lake Hancock	35,742	467,373	176,300	(46,649)	0	632,766
38 Wimauma	-	1,587	485	-	0	2,072
39 Little Manatee River	62,515	23,684	10,861	-	0	97,060
40 Total	317,274	3,928,163	1,574,134	(414,035)	0	5,405,537

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 to be updated once available.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: MARCH 20, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date February 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	20,415	20.2	0.7	2,891,014
2 Balm	74.4	21,588	20.2	0.7	
3 Lithia	74.5	22,100	20.6	0.8	
4 Grange Hall	61.1	17,111	19.4	0.6	
5 Peace Creek	55.4	14,120	17.7	0.5	
6 Bonnie Mine	37.5	9,501	17.6	0.3	
7 Lake Hancock	49.5	7,480	10.5	0.3	
8 Wimauma	74.8	(44)	-	-	
9 Little Manatee River	74.5	11,365	27.6	0.4	
10 Total	572.0	123,636	19.0	4.3	

	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	2.86	0	NA	8,952	85.28
12 Balm	0	2.86	0	NA	9,467	85.28
13 Lithia	142,331	2.86	0	NA	1,306	85.28
14 Grange Hall	110,201	2.86	0	NA	1,011	85.28
15 Peace Creek	90,938	2.86	0	NA	834	85.28
16 Bonnie Mine	61,190	2.86	0	NA	561	85.28
17 Lake Hancock	48,174	2.86	0	NA	442	85.28
18 Wimauma	-	-	-	-	-	-
19 Little Manatee River	80,375	2.86	0	NA	0	85.28
20 Total	533,208		0		22,572	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	9,799	2.2	2.0	0.006
22 Balm	10,362	2.4	2.2	0.006
23 Lithia	10,608	2.4	2.2	0.006
24 Grange Hall	8,213	1.9	1.7	0.005
25 Peace Creek	6,778	1.6	1.4	0.004
26 Bonnie Mine	4,560	1.0	1.0	0.003
27 Lake Hancock	3,590	0.8	0.7	0.002
28 Wimauma	-	-	-	-
29 Little Manatee River	5,259	1.2	1.1	0.003
30 Total	59,170	13.6	12.3	0.036

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	102,343	1,194,346	536,334	(146,886)	0	1,686,136
32 Balm	120,125	1,392,616	507,436	(150,843)	0	1,869,333
33 Lithia	127,096	1,411,373	525,431	(142,150)	0	1,921,750
34 Grange Hall	85,680	1,116,549	523,759	(116,272)	0	1,609,715
35 Peace Creek	50,379	1,039,902	385,661	(101,917)	0	1,374,024
36 Bonnie Mine	89,633	713,483	284,211	(76,703)	0	1,010,624
37 Lake Hancock	69,627	935,368	352,306	(93,297)	0	1,264,004
38 Wimauma	-	3,182	974	-	0	4,156
39 Little Manatee River	124,933	35,380	10,861	-	0	171,174
40 Total	769,815	7,842,199	3,126,973	(828,070)	0	10,910,917

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 to be updated once available.