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October 23, 2019

VIA: ELECTRONIC FILING

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

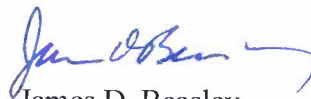
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20190007-EI

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 September 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 23rd day of October 2019 to the following:

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ATTORNEY

Tampa Electric Company
SoBRA Projects
September 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	2,287	(194)	(207)	(223)	(185)	(168)	(103)	(150)
2	2,134	(196)	(207)	(224)	(186)	(169)	(103)	(150)
3	2,030	(193)	(206)	(224)	(186)	(170)	(103)	(150)
4	1,960	(195)	(207)	(226)	(186)	(170)	(103)	(150)
5	1,942	(196)	(206)	(226)	(186)	(170)	(103)	(149)
6	2,007	(196)	(206)	(223)	(185)	(169)	(103)	(149)
7	2,129	(194)	(212)	(223)	(184)	(168)	(103)	(148)
8	2,173	2,176	2,250	838	1,685	1,581	826	1,555
9	2,294	24,304	25,380	26,476	18,377	17,179	10,584	15,916
10	2,534	42,451	46,505	47,014	35,477	31,107	20,413	27,068
11	2,798	42,646	49,813	49,170	40,327	34,609	22,375	28,829
12	3,045	43,669	50,065	49,932	40,693	37,101	23,798	30,890
13	3,257	45,002	50,310	49,616	41,387	38,111	24,277	31,868
14	3,420	43,715	51,089	50,131	39,910	35,950	23,387	29,689
15	3,538	45,053	48,057	47,989	39,547	36,015	23,184	29,807
16	3,613	43,110	46,621	44,235	37,664	34,346	22,743	30,227
17	3,636	38,813	43,934	42,883	35,375	32,128	20,654	28,376
18	3,605	33,759	38,441	37,110	28,008	25,796	16,605	21,807
19	3,474	14,844	15,678	16,156	12,530	10,040	6,112	8,454
20	3,323	548	567	605	464	427	353	375
21	3,211	(230)	(266)	(257)	(188)	(175)	(104)	(154)
22	2,985	(193)	(214)	(224)	(186)	(168)	(105)	(148)
23	2,732	(193)	(215)	(223)	(186)	(167)	(104)	(149)
24	2,492	(194)	(216)	(224)	(185)	(167)	(104)	(150)

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: OCTOBER 23, 2019**

**Tampa Electric Company
SoBRA Projects
September 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	12,969	25.6	0.7	1,790,253
2 Balm	74.4	14,471	27.0	0.8	
3 Lithia	74.5	14,265	26.6	0.8	
4 Grange Hall	61.1	11,455	26.0	0.6	
5 Peace Creek	55.4	10,311	25.8	0.6	
6 Bonnie Mine	37.5	6,643	24.6	0.4	
7 Lake Hancock	49.5	8,781	24.6	0.5	
8 Little Manatee River	-	-	-	-	-
9 Total	422.7	78,895	25.9	4.4	

	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)
10 Payne Creek	41,298	3.25	0	NA	3,124	1,775.77
11 Balm	46,081	3.25	0	NA	3,486	1,775.77
12 Lithia	100,366	3.25	0	NA	365	1,775.77
13 Grange Hall	80,595	3.25	0	NA	293	1,775.77
14 Peace Creek	72,546	3.25	0	NA	264	1,775.77
15 Bonnie Mine	46,739	3.25	0	NA	170	1,775.77
16 Lake Hancock	61,782	3.25	0	NA	225	1,775.77
17 Little Manatee River	-	-	-	-	-	-
18 Total	449,408		0		7,926	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
19 Payne Creek	6,225	1.4	1.3	0.004
20 Balm	6,946	1.6	1.4	0.004
21 Lithia	6,847	1.6	1.4	0.004
22 Grange Hall	5,498	1.3	1.1	0.003
23 Peace Creek	4,949	1.1	1.0	0.003
24 Bonnie Mine	3,189	0.7	0.7	0.002
25 Lake Hancock	4,215	1.0	0.9	0.003
26 Little Manatee River	-	-	-	-
27 Total	37,870	8.7	7.9	0.023

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
28 Payne Creek	14,494	561,044	262,034	(73,443)	0	764,128
29 Balm	14,663	651,730	258,945	(75,422)	0	849,917
30 Lithia	58,873	665,256	265,899	(57,511)	0	932,517
31 Grange Hall	12,092	527,810	227,262	(109,301)	0	657,863
32 Peace Creek	2,720	482,909	187,145	(49,811)	0	622,964
33 Bonnie Mine	11,881	337,756	144,106	(34,000)	0	459,743
34 Lake Hancock	25,321	453,937	176,101	(50,637)	0	604,722
35 Little Manatee River	188,011	-	-	-	-	188,011
36 Total	328,056	3,680,442	1,521,492	(450,125)	0	5,079,865

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. No coal burned in September, \$/ton shown is due to an August adjustment.

(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. 20190007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: OCTOBER 23, 2019**

**Tampa Electric Company
SoBRA Projects
Year-to-Date September 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	96,163	20.9	0.6	14,920,381
2 Balm	74.4	108,352	22.2	0.7	
3 Lithia	74.5	94,885	19.4	0.6	
4 Grange Hall	61.1	82,025	20.6	0.5	
5 Peace Creek	55.4	68,641	24.1	0.5	
6 Bonnie Mine	37.5	55,558	24.6	0.4	
7 Lake Hancock	49.5	44,357	23.5	0.3	
8 Little Manatee River	-	-	-	-	-
9 Total	422.7	549,981	21.7	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	306,220	3.52	0	NA	23,162	79.99
11 Balm	345,034	3.52	0	NA	26,098	79.99
12 Lithia	667,594	3.52	0	NA	2,428	79.99
13 Grange Hall	577,114	3.52	0	NA	2,099	79.99
14 Peace Creek	482,946	3.52	0	NA	1,757	79.99
15 Bonnie Mine	390,896	3.52	0	NA	1,422	79.99
16 Lake Hancock	312,088	3.52	0	NA	1,135	79.99
17 Little Manatee River	-	-	-	-	-	-
18 Total	3,081,892		0		58,101	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
19 Payne Creek	46,158	10.6	9.6	0.028
20 Balm	52,009	11.9	10.8	0.031
21 Lithia	45,545	10.4	9.5	0.028
22 Grange Hall	39,372	9.0	8.2	0.024
23 Peace Creek	32,948	7.6	6.9	0.020
24 Bonnie Mine	26,668	6.1	5.6	0.016
25 Lake Hancock	21,291	4.9	4.4	0.013
26 Little Manatee River	-	-	-	-
27 Total	263,991	60.5	55.0	0.159

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
28 Payne Creek	109,663	5,375,043	2,344,212	(660,989)	0	7,167,929
29 Balm	121,914	6,240,738	2,314,451	(678,795)	0	7,998,308
30 Lithia	252,838	6,008,325	2,140,144	(680,848)	0	7,720,460
31 Grange Hall	45,268	4,684,929	1,881,362	(543,636)	0	6,067,924
32 Peace Creek	16,702	3,261,049	1,112,264	(352,081)	0	4,037,934
33 Bonnie Mine	96,187	2,704,268	1,009,438	(337,441)	0	3,472,452
34 Lake Hancock	42,329	2,074,566	618,907	(278,505)	0	2,457,297
35 Little Manatee River	188,011	-	-	-	-	188,011
36 Total	872,913	30,348,918	11,420,778	(3,532,295)	0	39,110,314

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.