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August 21, 2019

VIA: ELECTRONIC FILING

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

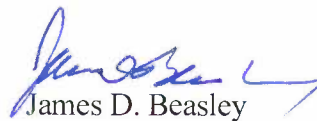
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20190007-EI

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 July 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 21st day of August 2019 to the following:

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ATTORNEY

Tampa Electric Company
SoBRA Projects
July 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	2,316	(159)	(210)	(153)	(183)	(161)	(110)	(142)
2	2,166	(160)	(211)	(155)	(184)	(162)	(110)	(142)
3	2,061	(160)	(210)	(154)	(184)	(162)	(110)	(143)
4	2,000	(163)	(210)	(155)	(185)	(162)	(110)	(142)
5	1,986	(161)	(209)	(155)	(184)	(162)	(110)	(142)
6	2,042	(159)	(210)	(154)	(184)	(162)	(110)	(143)
7	2,127	(136)	(181)	(166)	(156)	(109)	(105)	(93)
8	2,210	6,701	7,891	4,180	6,228	6,183	4,489	6,377
9	2,410	24,463	26,681	21,518	20,424	20,551	17,760	21,708
10	2,676	31,187	37,157	27,856	29,817	28,972	23,949	27,601
11	2,949	33,781	41,382	28,922	32,621	30,864	24,970	29,333
12	3,196	35,718	42,940	28,358	33,862	32,249	24,216	29,053
13	3,387	35,794	44,682	29,409	36,352	32,851	24,339	30,009
14	3,513	30,716	41,559	26,193	32,581	31,977	24,695	29,337
15	3,570	32,053	38,000	23,841	30,403	29,724	23,222	28,627
16	3,582	27,229	33,763	20,058	26,348	26,009	18,908	23,231
17	3,560	22,278	27,184	18,431	21,328	22,086	17,793	20,979
18	3,510	19,475	24,656	14,583	19,658	15,286	13,373	14,797
19	3,390	10,435	16,913	11,257	12,747	6,684	6,257	7,038
20	3,233	2,903	4,437	3,153	3,716	1,919	2,234	1,864
21	3,098	(223)	(250)	(193)	(131)	(155)	(3)	(130)
22	2,955	(165)	(210)	(156)	(183)	(161)	(109)	(143)
23	2,740	(162)	(210)	(153)	(182)	(160)	(110)	(141)
24	2,515	(161)	(211)	(154)	(182)	(160)	(110)	(141)

Tampa Electric Company
SoBRA Projects
July 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	9,648	18.4	0.5	1,784,985
2 Balm	74.4	11,886	21.5	0.7	
3 Lithia	74.5	7,947	14.3	0.4	
4 Grange Hall	61.1	9,393	20.7	0.5	
5 Peace Creek	55.4	8,747	21.2	0.5	
6 Bonnie Mine	37.5	6,980	25.0	0.4	
7 Lake Hancock	49.5	8,283	22.5	0.5	
8 Total	422.7	62,884	20.0	3.5	

	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)
9 Payne Creek	30,723	3.28	0	NA	2,324	76.25
10 Balm	37,850	3.28	0	NA	2,863	76.25
11 Lithia	55,914	3.28	0	NA	203	76.25
12 Grange Hall	66,088	3.28	0	NA	240	76.25
13 Peace Creek	61,542	3.28	0	NA	224	76.25
14 Bonnie Mine	49,110	3.28	0	NA	179	76.25
15 Lake Hancock	58,278	3.28	0	NA	212	76.25
16 Total	359,504		0		6,245	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	4,631	1.1	1.0	0.003
18 Balm	5,705	1.3	1.2	0.003
19 Lithia	3,815	0.9	0.8	0.002
20 Grange Hall	4,509	1.0	0.9	0.003
21 Peace Creek	4,199	1.0	0.9	0.003
22 Bonnie Mine	3,350	0.8	0.7	0.002
23 Lake Hancock	3,976	0.9	0.8	0.002
24 Total	30,184	6.9	6.3	0.018

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	14,324	604,220	261,232	(73,443)	0	806,333
26 Balm	14,922	702,057	258,301	(75,422)	0	899,858
27 Lithia	105,680	714,403	266,942	(77,917)	0	1,009,108
28 Grange Hall	83,087	566,577	226,758	(54,292)	0	822,130
29 Peace Creek	12,881	508,952	186,678	(54,958)	0	653,552
30 Bonnie Mine	42,700	365,119	148,237	(42,411)	0	513,645
31 Lake Hancock	75,461	322,985	112,141	(50,637)	0	459,950
32 Total	349,055	3,784,313	1,460,289	(429,081)	0	5,164,576

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 July 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	74,762	20.9	0.7	11,264,444
2 Balm	74.4	82,817	21.9	0.7	
3 Lithia	74.5	71,358	18.8	0.6	
4 Grange Hall	61.1	62,456	20.2	0.6	
5 Peace Creek	55.4	50,667	24.9	0.4	
6 Bonnie Mine	37.5	43,929	25.7	0.4	
7 Lake Hancock	49.5	28,884	24.8	0.3	
8 Total	422.7	414,873	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)
9 Payne Creek	238,071	3.63	0	NA	18,007	78.56
10 Balm	263,721	3.63	0	NA	19,948	78.56
11 Lithia	502,063	3.63	0	NA	1,826	78.56
12 Grange Hall	439,430	3.63	0	NA	1,598	78.56
13 Peace Creek	356,484	3.63	0	NA	1,297	78.56
14 Bonnie Mine	309,077	3.63	0	NA	1,124	78.56
15 Lake Hancock	203,223	3.63	0	NA	739	78.56
16 Total	2,312,067		0		44,539	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	35,886	8.2	7.5	0.022
18 Balm	39,752	9.1	8.3	0.024
19 Lithia	34,252	7.8	7.1	0.021
20 Grange Hall	29,979	6.9	6.2	0.018
21 Peace Creek	24,320	5.6	5.1	0.015
22 Bonnie Mine	21,086	4.8	4.4	0.013
23 Lake Hancock	13,864	3.2	2.9	0.008
24 Total	199,139	45.6	41.5	0.120

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	82,724	4,207,890	1,820,852	(514,102)	0	5,597,364
26 Balm	93,381	4,884,896	1,797,102	(527,952)	0	6,247,427
27 Lithia	165,131	4,627,291	1,608,663	(545,419)	0	5,855,666
28 Grange Hall	83,936	3,589,708	1,427,186	(380,043)	0	4,720,787
29 Peace Creek	12,881	2,268,137	738,305	(247,312)	0	2,772,010
30 Bonnie Mine	74,153	2,006,004	721,408	(261,030)	0	2,540,535
31 Lake Hancock	75,461	1,222,277	328,756	(177,231)	0	1,449,264
32 Total	587,667	22,806,203	8,442,272	(2,653,090)	0	29,183,053

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.