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May 25, 2021

VIA: ELECTRONIC FILING

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

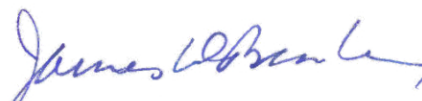
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20210007-EI

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 2021, 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 25th day of May, 2021 to the following:

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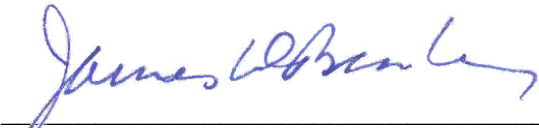
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
April 2021**

Hour	System Retail Demand	Average Hourly Net Output (kWh)									
	(MW)	Payne Creek	Balm	Lithia	Grange Hall	Peace Creek	Bonnie Mine	Lake Hancock	Wimauma	Little Manatee River	Durrance
		In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service
1	1,808	(202)	(220)	(219)	(180)	(165)	(98)	(159)	(137)	(218)	(109)
2	1,678	(202)	(219)	(220)	(180)	(165)	(98)	(159)	(138)	(219)	(109)
3	1,597	(203)	(220)	(220)	(180)	(167)	(99)	(159)	(137)	(220)	(109)
4	1,553	(203)	(220)	(220)	(180)	(168)	(99)	(159)	(137)	(220)	(109)
5	1,552	(203)	(220)	(220)	(180)	(168)	(100)	(159)	(136)	(219)	(109)
6	1,626	(202)	(220)	(220)	(180)	(166)	(98)	(159)	(136)	(219)	(107)
7	1,753	(202)	(219)	(220)	(180)	(165)	(96)	(159)	(135)	(218)	(102)
8	1,845	4,458	4,053	4,780	3,414	3,094	1,959	3,260	4,562	3,567	2,791
9	1,959	27,892	26,163	30,374	21,003	20,537	13,355	19,002	27,374	25,782	17,155
10	2,093	45,037	39,196	44,080	35,963	34,622	23,530	30,974	44,963	40,767	31,919
11	2,230	49,756	47,775	52,643	42,240	38,378	25,258	33,680	50,286	46,732	38,953
12	2,360	52,291	51,683	54,876	44,719	42,015	27,283	34,821	54,092	50,095	43,293
13	2,486	52,418	51,817	54,641	46,688	40,173	27,245	34,560	54,375	49,948	43,748
14	2,604	54,698	54,014	55,221	47,510	40,493	26,557	34,991	54,475	50,192	41,862
15	2,710	54,004	52,980	52,883	47,734	41,927	26,654	35,404	55,647	48,601	38,955
16	2,802	50,921	52,352	51,327	44,324	40,108	24,664	33,924	52,307	47,334	34,383
17	2,869	49,177	48,419	50,724	41,449	38,219	23,252	31,761	49,833	44,045	31,726
18	2,887	41,486	43,247	42,430	34,907	31,854	20,100	26,899	43,534	38,960	26,161
19	2,806	24,162	24,783	26,060	20,229	16,008	11,511	15,025	25,290	22,058	13,955
20	2,672	3,414	3,377	3,640	2,378	2,003	1,414	1,756	3,848	3,106	2,137
21	2,602	(325)	(346)	(346)	(285)	(258)	(97)	(236)	(135)	(307)	(109)
22	2,430	(203)	(220)	(219)	(182)	(166)	(98)	(160)	(135)	(217)	(108)
23	2,215	(201)	(220)	(218)	(180)	(163)	(97)	(158)	(135)	(216)	(108)
24	1,995	(202)	(220)	(218)	(180)	(164)	(98)	(159)	(135)	(217)	(109)

1

Tampa Electric Company
SoBRA Projects
April 2021

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	15,220	30.2	1.0	1,474,082
2 Balm	74.2	14,921	27.9	1.0	
3 Lithia	74.3	15,635	29.2	1.1	
4 Grange Hall	60.8	12,914	29.5	0.9	
5 Peace Creek	54.8	11,625	29.5	0.8	
6 Bonnie Mine	37.4	7,552	28.0	0.5	
7 Lake Hancock	49.4	10,028	28.2	0.7	
8 Wimauma	74.7	15,571	29.0	1.1	
9 Little Manatee River	74.3	14,061	26.3	1.0	
10 Durrance	59.8	10,998	25.5	0.7	
11 Total	629.8	128,525	28.3	8.7	

	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)
12 Payne Creek	49,977	3.44	0	NA	3,631	85.41
13 Balm	48,996	3.44	0	NA	3,560	85.41
14 Lithia	84,371	3.44	0	NA	1,775	85.41
15 Grange Hall	69,688	3.44	0	NA	1,466	85.41
16 Peace Creek	62,732	3.44	0	NA	1,319	85.41
17 Bonnie Mine	40,753	3.44	0	NA	857	85.41
18 Lake Hancock	54,114	3.44	0	NA	1,138	85.41
19 Wimauma	104,642	3.44	0	NA	740	85.41
20 Little Manatee River	94,494	3.44	0	NA	669	85.41
21 Durrance	78,095	3.44	0	NA	335	85.41
22 Total	687,861		0		15,489	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	6,917	1.3	1.0	0.003
24 Balm	6,782	1.3	1.0	0.003
25 Lithia	7,106	1.3	1.0	0.003
26 Grange Hall	5,869	1.1	0.8	0.002
27 Peace Creek	5,284	1.0	0.8	0.002
28 Bonnie Mine	3,432	0.6	0.5	0.001
29 Lake Hancock	4,558	0.9	0.7	0.002
30 Wimauma	7,077	1.3	1.0	0.003
31 Little Manatee River	6,391	1.2	0.9	0.003
32 Durrance	4,999	0.9	0.7	0.002
33 Total	58,415	10.9	8.4	0.024

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	49,251	572,464	258,131	(73,443)	0	806,403
35 Balm	67,230	673,494	255,696	(75,422)	0	920,999
36 Lithia	62,459	682,581	262,665	(71,155)	0	936,550
37 Grange Hall	39,593	538,717	219,176	(58,232)	0	739,254
38 Peace Creek	45,851	508,689	192,763	(51,400)	0	695,903
39 Bonnie Mine	30,686	346,414	142,270	(38,654)	0	480,715
40 Lake Hancock	52,357	452,329	176,506	(46,710)	0	634,481
41 Wimauma	73,618	273,046	156,579	(75,766)	0	427,477
42 Little Manatee River	94,617	68,037	27,118	(85,115)	0	104,658
43 Durrance	107	585,601	230,770	(110,130)	0	706,347
44 Total	515,769	4,701,372	1,921,674	(686,029)	0	6,452,787

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 April 2021

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	38,787	19.2	0.7	5,573,754
2 Balm	74.2	49,379	23.1	0.9	
3 Lithia	74.3	48,908	22.9	0.9	
4 Grange Hall	60.8	40,792	23.3	0.7	
5 Peace Creek	54.8	36,789	23.3	0.7	
6 Bonnie Mine	37.4	23,723	22.0	0.4	
7 Lake Hancock	49.4	32,374	22.8	0.6	
8 Wimauma	74.7	51,541	24.0	0.9	
9 Little Manatee River	74.3	48,234	22.5	0.9	
10 Durrance	59.8	34,406	20.0	0.6	
11 Total	629.8	404,933	22.3	7.3	

	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)
12 Payne Creek	127,364	3.66	0	NA	9,253	80.56
13 Balm	162,144	3.66	0	NA	11,780	80.56
14 Lithia	263,922	3.66	0	NA	5,551	80.56
15 Grange Hall	220,126	3.66	0	NA	4,630	80.56
16 Peace Creek	198,524	3.66	0	NA	4,175	80.56
17 Bonnie Mine	128,016	3.66	0	NA	2,692	80.56
18 Lake Hancock	174,700	3.66	0	NA	3,674	80.56
19 Wimauma	346,371	3.66	0	NA	2,450	80.56
20 Little Manatee River	324,147	3.66	0	NA	2,293	80.56
21 Durrance	244,310	3.66	0	NA	1,047	80.56
22 Total	2,189,624		0		47,547	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	17,640	3.4	2.4	0.007
24 Balm	22,460	4.4	3.0	0.009
25 Lithia	22,245	4.3	3.0	0.009
26 Grange Hall	18,554	3.6	2.5	0.007
27 Peace Creek	16,733	3.3	2.3	0.007
28 Bonnie Mine	10,790	2.1	1.5	0.004
29 Lake Hancock	14,725	2.9	2.0	0.006
30 Wimauma	23,443	4.6	3.2	0.009
31 Little Manatee River	21,939	4.3	3.0	0.009
32 Durrance	15,649	3.0	2.1	0.006
33 Total	184,180	35.8	24.9	0.073

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	174,004	2,298,242	1,032,524	(293,773)	0	3,210,998
35 Balm	193,571	2,701,970	1,022,784	(301,687)	0	3,616,638
36 Lithia	218,782	2,738,563	1,050,660	(284,621)	0	3,723,383
37 Grange Hall	141,823	2,161,835	876,704	(232,929)	0	2,947,433
38 Peace Creek	143,179	2,040,778	771,052	(205,600)	0	2,749,409
39 Bonnie Mine	110,247	1,386,416	569,080	(154,618)	0	1,911,125
40 Lake Hancock	195,709	1,814,874	706,024	(186,841)	0	2,529,766
41 Wimauma	200,299	1,650,870	626,262	(303,065)	0	2,174,367
42 Little Manatee River	428,791	272,968	108,448	(340,458)	0	469,749
43 Durrance	8,539	2,106,558	703,739	(330,391)	0	2,488,445
44 Total	1,814,945	19,173,074	7,467,277	(2,633,984)	0	25,821,312

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.