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December 21, 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 November 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 21st day of December 2020 to the following:

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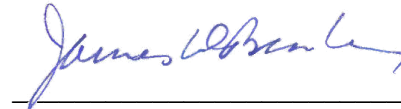
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
November 2020**

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)								
		Payne Creek	Balm	Lithia	Grange Hall	Peace Creek	Bonnie Mine	Lake Hancock	Wimauma	Little Manatee River
		In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service	In Service
1	1,945	(182)	(194)	(218)	(178)	(170)	(100)	(151)	(134)	(223)
2	1,751	(181)	(192)	(219)	(177)	(171)	(101)	(151)	(134)	(224)
3	1,655	(181)	(192)	(219)	(178)	(171)	(101)	(151)	(133)	(224)
4	1,590	(181)	(193)	(219)	(178)	(171)	(101)	(152)	(134)	(224)
5	1,558	(181)	(194)	(219)	(177)	(171)	(101)	(152)	(134)	(224)
6	1,574	(181)	(201)	(217)	(177)	(172)	(101)	(152)	(134)	(223)
7	1,634	(155)	(194)	(197)	(162)	(158)	(82)	(147)	(97)	(206)
8	1,741	6,224	6,234	6,987	5,055	4,765	2,915	4,422	7,135	5,301
9	1,837	22,737	25,395	25,785	20,381	18,198	12,193	16,838	27,496	23,714
10	1,981	31,677	37,278	35,810	30,914	26,528	17,797	22,857	41,437	34,492
11	2,140	31,603	38,974	38,235	32,533	29,749	19,779	26,046	41,967	36,715
12	2,304	30,796	37,488	37,047	32,271	28,164	19,134	24,570	41,131	36,479
13	2,439	30,951	36,289	35,716	31,373	28,523	19,204	24,691	39,768	36,407
14	2,548	31,310	37,745	35,661	30,530	27,432	18,150	24,400	38,488	36,389
15	2,621	28,612	34,224	31,408	27,595	24,987	15,438	23,052	37,260	33,579
16	2,662	23,808	31,548	28,073	23,885	21,626	14,105	21,634	31,980	30,754
17	2,673	11,252	15,334	15,161	11,132	10,401	6,470	9,625	16,015	16,489
18	2,638	420	738	645	401	286	290	287	1,218	924
19	2,606	(224)	(261)	(271)	(221)	(201)	(99)	(188)	(139)	(273)
20	2,610	(181)	(195)	(214)	(178)	(171)	(101)	(152)	(131)	(222)
21	2,497	(181)	(195)	(214)	(178)	(171)	(101)	(152)	(131)	(222)
22	2,374	(181)	(194)	(215)	(177)	(170)	(100)	(152)	(131)	(221)
23	2,226	(181)	(194)	(214)	(177)	(169)	(100)	(151)	(130)	(221)
24	2,058	(181)	(193)	(216)	(178)	(169)	(101)	(151)	(131)	(222)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: DECEMBER 21, 2020**

**Tampa Electric Company
SoBRA Projects
November 2020**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	7,410	14.7	0.6	1,275,923
2 Balm	74.2	8,960	16.7	0.7	
3 Lithia	74.3	8,630	16.1	0.7	
4 Grange Hall	60.8	7,310	16.7	0.6	
5 Peace Creek	54.8	6,553	16.6	0.5	
6 Bonnie Mine	37.4	4,327	16.0	0.3	
7 Lake Hancock	49.4	5,891	16.5	0.5	
8 Wimauma	74.7	9,665	17.9	0.8	
9 Little Manatee River	74.3	8,683	16.2	0.7	
10 Total	570.0	67,429	16.4	5.3	

	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	3.97	0	NA	3,249	67.07
12 Balm	0	3.97	0	NA	3,929	67.07
13 Lithia	55,580	3.97	0	NA	510	67.07
14 Grange Hall	47,079	3.97	0	NA	432	67.07
15 Peace Creek	42,204	3.97	0	NA	387	67.07
16 Bonnie Mine	27,867	3.97	0	NA	256	67.07
17 Lake Hancock	37,940	3.97	0	NA	348	67.07
18 Wimauma	70,904	3.97	0	NA	2	67.07
19 Little Manatee River	63,700	3.97	0	NA	2	67.07
20 Total	345,274		0		9,115	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	3,372	0.7	0.4	0.001
22 Balm	4,077	0.8	0.5	0.002
23 Lithia	3,927	0.8	0.5	0.002
24 Grange Hall	3,326	0.7	0.4	0.001
25 Peace Creek	2,982	0.6	0.4	0.001
26 Bonnie Mine	1,969	0.4	0.3	0.001
27 Lake Hancock	2,680	0.5	0.4	0.001
28 Wimauma	4,398	0.9	0.6	0.002
29 Little Manatee River	3,951	0.8	0.5	0.002
30 Total	30,680	6.1	4.0	0.012

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	44,010	581,916	258,131	(73,443)	0	810,613
32 Balm	69,452	683,051	255,696	(75,422)	0	932,778
33 Lithia	72,135	692,382	262,665	(71,155)	0	956,026
34 Grange Hall	39,674	546,839	219,176	(58,232)	0	747,457
35 Peace Creek	38,138	515,879	192,757	(51,400)	0	695,374
36 Bonnie Mine	29,940	350,420	142,270	(38,654)	0	483,976
37 Lake Hancock	46,629	458,904	176,506	(46,710)	0	635,329
38 Wimauma	47,841	463,739	156,656	(75,766)	0	592,470
39 Little Manatee River	91,098	69,209	34,532	(85,115)	0	109,724
40 Total	478,917	4,362,339	1,698,389	(575,898)	0	5,963,747

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
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: DECEMBER 21, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date November 2020**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	132,322	23.5	0.8	17,204,253
2 Balm	74.2	139,961	23.5	0.8	
3 Lithia	74.3	133,981	22.4	0.8	
4 Grange Hall	60.8	111,092	22.7	0.6	
5 Peace Creek	54.8	96,909	22.0	0.6	
6 Bonnie Mine	37.4	63,323	21.1	0.4	
7 Lake Hancock	49.4	77,167	19.4	0.4	
8 Wimauma	74.7	113,084	25.8	0.7	
9 Little Manatee River	74.3	135,552	25.5	0.8	
10 Total	570.0	1,003,391	23.0	5.8	

	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	2.90	0	NA	58,024	78.80
12 Balm	0	2.90	0	NA	61,374	78.80
13 Lithia	862,883	2.90	0	NA	7,915	78.80
14 Grange Hall	715,470	2.90	0	NA	6,563	78.80
15 Peace Creek	624,127	2.90	0	NA	5,725	78.80
16 Bonnie Mine	407,822	2.90	0	NA	3,741	78.80
17 Lake Hancock	496,982	2.90	0	NA	4,559	78.80
18 Wimauma	783,593	2.90	0	NA	24	78.80
19 Little Manatee River	991,435	2.90	0	NA	24	78.80
20 Total	4,882,310		0		147,950	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	60,717	12.3	8.8	0.026
22 Balm	64,222	13.0	9.3	0.027
23 Lithia	61,514	12.5	8.9	0.026
24 Grange Hall	50,975	10.3	7.3	0.022
25 Peace Creek	44,447	9.0	6.4	0.019
26 Bonnie Mine	29,049	5.9	4.2	0.012
27 Lake Hancock	35,298	7.1	4.9	0.014
28 Wimauma	48,599	9.6	6.4	0.019
29 Little Manatee River	61,764	12.4	8.5	0.025
30 Total	456,585	92.2	64.7	0.189

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	496,720	6,485,817	2,863,158	(807,875)	0	9,037,820
32 Balm	555,943	7,590,000	2,809,056	(829,639)	0	10,125,360
33 Lithia	643,478	7,693,628	2,889,605	(783,673)	0	10,443,038
34 Grange Hall	432,584	6,081,050	2,496,401	(641,711)	0	8,368,324
35 Peace Creek	327,562	5,723,118	2,140,676	(569,594)	0	7,621,762
36 Bonnie Mine	361,878	3,895,195	1,565,503	(428,378)	0	5,394,198
37 Lake Hancock	457,842	5,098,000	1,939,714	(514,338)	0	6,981,218
38 Wimauma	263,478	3,538,599	1,113,180	(606,129)	0	4,309,128
39 Little Manatee River	955,154	551,504	247,136	(851,145)	0	902,648
40 Total	4,494,638	46,656,911	18,064,429	(6,032,482)	0	63,183,496

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 includes February amortization recorded but not reported in February.