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October 25, 2021

**VIA: ELECTRONIC FILING**

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

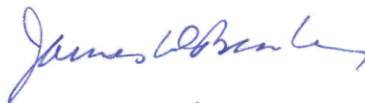
Re: Environmental Cost Recovery Clause;  
FPSC Docket No. 20210007-EI

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 September 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 October 2021 to the following:

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A handwritten signature in blue ink, appearing to read "James W. Brennan", is written above a horizontal line.

ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
September 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	2,362	(245)	(218)	(217)	(176)	(169)	(100)	(155)	(135)	(217)	(104)
2	2,212	(245)	(219)	(219)	(177)	(170)	(100)	(155)	(137)	(218)	(104)
3	2,112	(243)	(219)	(219)	(177)	(170)	(99)	(155)	(137)	(219)	(104)
4	2,047	(244)	(220)	(219)	(176)	(170)	(99)	(155)	(137)	(219)	(104)
5	2,045	(243)	(220)	(219)	(176)	(170)	(99)	(155)	(136)	(219)	(104)
6	2,091	(243)	(219)	(219)	(175)	(170)	(98)	(154)	(136)	(218)	(103)
7	2,204	(242)	(218)	(218)	(174)	(170)	(97)	(154)	(136)	(219)	(103)
8	2,271	1,886	1,985	2,501	1,413	1,484	804	1,309	2,238	1,116	926
9	2,396	21,305	22,315	25,562	16,872	17,163	10,114	14,913	20,977	16,377	10,903
10	2,621	41,477	42,587	46,587	34,655	32,965	21,032	25,028	41,283	32,440	25,279
11	2,850	44,080	44,073	47,944	36,405	36,298	23,292	26,508	41,599	33,450	29,733
12	3,075	45,767	45,384	46,380	39,309	38,441	22,842	27,231	39,194	33,215	32,216
13	3,271	42,336	43,119	45,050	35,576	36,838	22,477	26,443	32,622	33,169	31,360
14	3,430	41,834	46,685	45,166	37,002	34,407	20,462	24,596	33,472	33,401	28,542
15	3,543	40,162	45,010	47,264	36,736	32,149	20,925	24,345	31,039	32,858	29,451
16	3,611	33,794	39,552	38,640	33,978	29,852	19,286	22,368	26,097	31,918	25,234
17	3,630	26,395	34,435	30,966	27,815	24,530	15,239	18,728	25,793	32,832	20,359
18	3,580	24,949	26,251	28,483	20,697	17,819	11,417	15,111	22,043	23,073	16,054
19	3,449	10,426	8,648	10,989	7,790	6,150	4,089	5,186	7,741	9,553	5,369
20	3,322	174	39	147	95	(33)	170	(12)	339	180	186
21	3,206	(279)	(255)	(251)	(202)	(189)	(99)	(207)	(132)	(238)	(105)
22	3,002	(243)	(221)	(213)	(175)	(168)	(99)	(168)	(133)	(215)	(105)
23	2,772	(242)	(216)	(212)	(175)	(168)	(99)	(159)	(133)	(215)	(105)
24	2,547	(243)	(217)	(213)	(176)	(169)	(99)	(157)	(134)	(216)	(104)

1

Tampa Electric Company  
SoBRA Projects  
September 2021

	Net Capability (MW)	Net Generation <sup>(1)</sup> (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation <sup>(2)</sup> (MWh)
1 Payne Creek	70.1	11,156	22.1	0.6	1,721,181
2 Balm	74.2	11,930	22.3	0.7	
3 Lithia	74.3	12,398	23.2	0.7	
4 Grange Hall	60.8	9,792	22.4	0.6	
5 Peace Creek	54.8	9,185	23.3	0.5	
6 Bonnie Mine	37.4	5,733	21.3	0.3	
7 Lake Hancock	49.4	6,899	19.4	0.4	
8 Wimauma	74.7	9,688	18.0	0.6	
9 Little Manatee River	74.3	9,332	17.4	0.5	
10 Durrance	59.8	7,654	17.8	0.4	
11 Total	629.8	93,767	20.7	5.4	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(3)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(3)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
12 Payne Creek	36,633	5.82	0	NA	2,662	65.85
13 Balm	39,174	5.82	0	NA	2,846	65.85
14 Lithia	66,903	5.82	0	NA	1,407	65.85
15 Grange Hall	52,840	5.82	0	NA	1,111	65.85
16 Peace Creek	49,565	5.82	0	NA	1,042	65.85
17 Bonnie Mine	30,937	5.82	0	NA	651	65.85
18 Lake Hancock	37,229	5.82	0	NA	783	65.85
19 Wimauma	65,106	5.82	0	NA	461	65.85
20 Little Manatee River	62,714	5.82	0	NA	444	65.85
21 Durrance	54,349	5.82	0	NA	233	65.85
22 Total	495,451		0		11,639	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	5,070	0.9	0.7	0.002
24 Balm	5,422	1.0	0.8	0.002
25 Lithia	5,635	1.1	0.8	0.002
26 Grange Hall	4,450	0.8	0.6	0.002
27 Peace Creek	4,175	0.8	0.6	0.002
28 Bonnie Mine	2,606	0.5	0.4	0.001
29 Lake Hancock	3,136	0.6	0.4	0.001
30 Wimauma	4,403	0.8	0.6	0.002
31 Little Manatee River	4,241	0.8	0.6	0.002
32 Durrance	3,479	0.7	0.5	0.001
33 Total	42,617	8.0	6.1	0.018

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	41,377	534,545	259,626	(73,443)	0	762,105
35 Balm	44,850	629,816	257,191	(75,422)	0	856,435
36 Lithia	45,777	638,153	264,160	(71,155)	0	876,935
37 Grange Hall	36,542	504,011	220,672	(58,232)	0	702,993
38 Peace Creek	34,001	476,573	194,258	(51,400)	0	653,432
39 Bonnie Mine	24,305	326,741	144,917	(38,654)	0	457,309
40 Lake Hancock	46,119	423,997	178,002	(46,710)	0	601,408
41 Wimauma	20,923	73,045	453	(75,766)	0	18,655
42 Little Manatee River	30,450	63,227	27,118	(85,115)	0	35,681
43 Durrance	24,061	560,731	226,210	(55,065)	0	755,936
44 Total	348,405	4,230,839	1,772,607	(630,963)	0	5,720,888

- 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 September 2021

	Net Capability (MW)	Net Generation <sup>(1)</sup> (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation <sup>(2)</sup> (MWh)
1 Payne Creek	70.1	102,139	22.2	0.7	14,286,822
2 Balm	74.2	118,422	24.4	0.8	
3 Lithia	74.3	120,114	24.7	0.8	
4 Grange Hall	60.8	97,617	24.5	0.7	
5 Peace Creek	54.8	88,112	24.5	0.6	
6 Bonnie Mine	37.4	57,237	23.4	0.4	
7 Lake Hancock	49.4	74,537	23.0	0.5	
8 Wimauma	74.7	116,479	23.8	0.8	
9 Little Manatee River	74.3	106,445	21.9	0.7	
10 Durrance	59.8	82,012	20.9	0.6	
11 Total	629.8	963,114	23.3	6.7	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(3)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(3)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
12 Payne Creek	335,390	4.34	0	NA	24,367	74.64
13 Balm	388,858	4.34	0	NA	28,252	74.64
14 Lithia	648,170	4.34	0	NA	13,632	74.64
15 Grange Hall	526,770	4.34	0	NA	11,079	74.64
16 Peace Creek	475,478	4.34	0	NA	10,000	74.64
17 Bonnie Mine	308,868	4.34	0	NA	6,496	74.64
18 Lake Hancock	402,223	4.34	0	NA	8,460	74.64
19 Wimauma	782,775	4.34	0	NA	5,538	74.64
20 Little Manatee River	715,343	4.34	0	NA	5,061	74.64
21 Durrance	582,350	4.34	0	NA	2,495	74.64
22 Total	5,166,226		0		115,382	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	46,434	8.8	6.5	0.019
24 Balm	53,840	10.2	7.5	0.022
25 Lithia	54,608	10.4	7.6	0.022
26 Grange Hall	44,381	8.4	6.2	0.018
27 Peace Creek	40,059	7.6	5.6	0.016
28 Bonnie Mine	26,022	4.9	3.6	0.011
29 Lake Hancock	33,888	6.4	4.7	0.014
30 Wimauma	52,958	10.1	7.4	0.021
31 Little Manatee River	48,396	9.2	6.7	0.020
32 Durrance	37,286	7.1	5.2	0.015
33 Total	437,874	83.2	61.2	0.178

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
34 Payne Creek	380,730	5,120,580	2,324,674	(660,989)	0	7,164,996
35 Balm	426,859	6,026,163	2,302,759	(678,795)	0	8,076,986
36 Lithia	493,257	6,107,190	2,365,480	(640,398)	0	8,325,529
37 Grange Hall	377,081	4,820,431	1,974,080	(524,091)	0	6,647,500
38 Peace Creek	303,719	4,552,865	1,736,362	(462,601)	0	6,130,346
39 Bonnie Mine	239,824	3,104,295	1,287,333	(347,890)	0	4,283,563
40 Lake Hancock	344,685	4,048,731	1,590,051	(420,393)	0	5,563,074
41 Wimauma	355,112	2,077,390	628,527	(681,895)	0	2,379,133
42 Little Manatee River	782,084	608,119	244,038	(766,031)	0	868,210
43 Durrance	111,035	4,984,317	1,807,182	(495,587)	0	6,406,947
44 Total	3,814,387	41,450,081	16,260,486	(5,678,670)	0	55,846,283

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.