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August 25, 2021

**VIA: ELECTRONIC FILING**

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

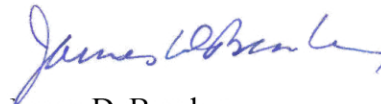
Re: Environmental Cost Recovery Clause;  
FPSC Docket No. 20210007-EI

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 July 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 August, 2021 to the following:

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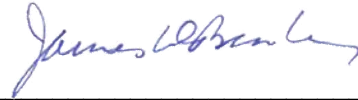
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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
July 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	2,473	(193)	(223)	(224)	(180)	(165)	(99)	(150)	(135)	(227)	(108)
2	2,308	(193)	(223)	(225)	(180)	(165)	(99)	(149)	(135)	(227)	(107)
3	2,193	(193)	(223)	(225)	(180)	(165)	(99)	(150)	(137)	(227)	(107)
4	2,119	(192)	(222)	(225)	(180)	(166)	(99)	(150)	(137)	(228)	(106)
5	2,095	(190)	(222)	(225)	(180)	(166)	(99)	(150)	(135)	(228)	(105)
6	2,128	(187)	(222)	(224)	(180)	(165)	(98)	(150)	(134)	(228)	(105)
7	2,196	(177)	(212)	(209)	(172)	(154)	(69)	(140)	(101)	(226)	(89)
8	2,276	8,638	7,375	9,529	6,602	6,415	3,696	5,301	7,553	4,263	4,085
9	2,483	30,395	28,455	32,985	24,373	22,942	14,478	19,038	26,786	20,388	15,806
10	2,742	40,060	43,372	46,266	36,987	33,094	21,512	26,515	39,919	32,480	26,581
11	3,009	42,835	47,873	50,087	39,621	37,653	24,799	31,856	44,814	38,224	32,053
12	3,256	42,499	49,553	50,818	41,645	36,708	24,570	32,891	45,790	40,612	33,607
13	3,457	39,682	48,888	49,807	40,873	37,234	25,256	33,476	45,401	40,711	32,952
14	3,611	40,664	49,540	47,381	40,371	36,724	23,639	30,002	46,011	40,355	30,077
15	3,708	36,563	44,570	40,731	37,158	29,934	19,330	26,936	37,957	38,751	30,112
16	3,731	34,736	38,977	38,529	31,756	27,955	20,378	24,009	34,930	37,266	27,770
17	3,736	30,477	37,332	36,737	28,380	23,275	15,837	20,029	32,276	31,894	22,584
18	3,710	24,538	30,071	30,504	23,032	18,662	11,907	16,193	26,494	27,046	18,205
19	3,599	16,516	18,272	18,489	15,324	10,706	8,482	9,924	17,672	17,160	11,055
20	3,440	4,651	6,351	6,828	4,756	3,390	2,746	3,153	5,885	6,329	3,468
21	3,309	(279)	(324)	(271)	(268)	(238)	(35)	(224)	12	(223)	(10)
22	3,155	(201)	(232)	(234)	(192)	(171)	(100)	(154)	(134)	(239)	(109)
23	2,932	(193)	(222)	(220)	(180)	(164)	(99)	(150)	(135)	(226)	(109)
24	2,707	(193)	(223)	(222)	(180)	(163)	(98)	(150)	(135)	(226)	(108)

1

Tampa Electric Company  
SoBRA Projects  
July 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	12,093	23.2	0.7	1,796,953
2 Balm	74.2	13,892	25.2	0.8	
3 Lithia	74.3	14,141	25.6	0.8	
4 Grange Hall	60.8	11,433	25.3	0.6	
5 Peace Creek	54.8	10,007	24.5	0.6	
6 Bonnie Mine	37.4	6,686	24.0	0.4	
7 Lake Hancock	49.4	8,606	23.4	0.5	
8 Wimauma	74.7	12,716	22.9	0.7	
9 Little Manatee River	74.3	11,562	20.9	0.6	
10 Durrance	59.8	8,927	20.1	0.5	
11 Total	629.8	110,063	23.5	6.1	

	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	39,709	4.58	0	NA	2,885	76.73
13 Balm	45,617	4.58	0	NA	3,314	76.73
14 Lithia	76,309	4.58	0	NA	1,605	76.73
15 Grange Hall	61,696	4.58	0	NA	1,298	76.73
16 Peace Creek	54,001	4.58	0	NA	1,136	76.73
17 Bonnie Mine	36,080	4.58	0	NA	759	76.73
18 Lake Hancock	46,440	4.58	0	NA	977	76.73
19 Wimauma	85,455	4.58	0	NA	605	76.73
20 Little Manatee River	77,700	4.58	0	NA	550	76.73
21 Durrance	63,389	4.58	0	NA	272	76.73
22 Total	586,396		0		13,399	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	5,496	1.0	0.8	0.002
24 Balm	6,314	1.2	0.9	0.003
25 Lithia	6,427	1.2	0.9	0.003
26 Grange Hall	5,196	1.0	0.7	0.002
27 Peace Creek	4,548	0.9	0.7	0.002
28 Bonnie Mine	3,039	0.6	0.4	0.001
29 Lake Hancock	3,911	0.7	0.6	0.002
30 Wimauma	5,779	1.1	0.8	0.002
31 Little Manatee River	5,255	1.0	0.8	0.002
32 Durrance	4,057	0.8	0.6	0.002
33 Total	50,024	9.4	7.2	0.021

	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	52,299	571,457	258,131	(73,443)	0	808,443
35 Balm	48,907	673,253	255,696	(75,422)	0	902,435
36 Lithia	50,742	682,267	262,665	(71,155)	0	924,519
37 Grange Hall	45,330	538,236	219,176	(58,232)	0	744,509
38 Peace Creek	38,585	508,513	192,763	(51,400)	0	688,461
39 Bonnie Mine	25,614	347,329	143,334	(38,654)	0	477,622
40 Lake Hancock	44,854	452,074	176,506	(46,710)	0	626,724
41 Wimauma	39,794	88,490	453	(75,766)	0	52,971
42 Little Manatee River	111,909	67,987	27,118	(85,115)	0	121,899
43 Durrance	19,590	582,174	216,972	(110,130)	0	708,606
44 Total	477,623	4,511,780	1,752,814	(686,029)	0	6,056,189

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 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	79,676	22.3	0.7	10,716,814
2 Balm	74.2	94,026	24.9	0.9	
3 Lithia	74.3	94,719	25.1	0.9	
4 Grange Hall	60.8	77,543	25.1	0.7	
5 Peace Creek	54.8	69,051	24.8	0.6	
6 Bonnie Mine	37.4	45,225	23.8	0.4	
7 Lake Hancock	49.4	59,483	23.7	0.6	
8 Wimauma	74.7	95,366	25.1	0.9	
9 Little Manatee River	74.3	86,684	22.9	0.8	
10 Durrance	59.8	66,050	21.7	0.6	
11 Total	629.8	767,823	24.0	7.2	

	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	261,629	3.99	0	NA	19,008	77.58
13 Balm	308,750	3.99	0	NA	22,432	77.58
14 Lithia	511,131	3.99	0	NA	10,750	77.58
15 Grange Hall	418,445	3.99	0	NA	8,801	77.58
16 Peace Creek	372,619	3.99	0	NA	7,837	77.58
17 Bonnie Mine	244,047	3.99	0	NA	5,133	77.58
18 Lake Hancock	320,988	3.99	0	NA	6,751	77.58
19 Wimauma	640,889	3.99	0	NA	4,534	77.58
20 Little Manatee River	582,543	3.99	0	NA	4,121	77.58
21 Durrance	469,007	3.99	0	NA	2,010	77.58
22 Total	4,130,049		0		91,378	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	36,225	6.9	5.1	0.015
24 Balm	42,752	8.2	5.9	0.017
25 Lithia	43,066	8.2	6.0	0.017
26 Grange Hall	35,257	6.7	4.9	0.014
27 Peace Creek	31,396	6.0	4.4	0.013
28 Bonnie Mine	20,563	3.9	2.9	0.008
29 Lake Hancock	27,046	5.2	3.8	0.011
30 Wimauma	43,362	8.3	6.0	0.017
31 Little Manatee River	39,415	7.5	5.5	0.016
32 Durrance	30,031	5.7	4.2	0.012
33 Total	349,114	66.6	48.5	0.141

	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	297,505	4,013,685	1,806,917	(514,102)	0	5,604,005
35 Balm	339,177	4,722,042	1,789,872	(527,952)	0	6,323,139
36 Lithia	387,692	4,785,751	1,838,655	(498,087)	0	6,514,011
37 Grange Hall	305,346	3,777,082	1,534,232	(407,627)	0	5,209,034
38 Peace Creek	237,028	3,566,546	1,349,341	(359,800)	0	4,793,115
39 Bonnie Mine	191,922	2,428,789	999,082	(270,581)	0	3,349,212
40 Lake Hancock	259,846	3,171,400	1,235,542	(326,972)	0	4,339,815
41 Wimauma	313,842	1,915,733	627,621	(530,363)	0	2,326,833
42 Little Manatee River	729,406	476,987	189,802	(595,802)	0	800,393
43 Durrance	71,546	3,826,239	1,356,180	(660,783)	0	4,593,182
44 Total	3,133,310	32,684,254	12,727,244	(4,692,069)	0	43,852,739

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.