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December 20, 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 November 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,



Malcolm N. Means

MNM/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 20th day of December 2021 to the following:

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A handwritten signature in blue ink that reads "Malcolm N. Means". The signature is written in a cursive style with a large initial 'M'.

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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
November 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	1,760	(194)	(218)	(220)	(178)	(168)	(100)	(160)	(122)	(226)	(111)
2	1,639	(194)	(219)	(220)	(179)	(169)	(100)	(160)	(123)	(227)	(111)
3	1,563	(195)	(220)	(220)	(178)	(169)	(100)	(160)	(124)	(227)	(111)
4	1,525	(196)	(220)	(220)	(178)	(170)	(100)	(160)	(124)	(227)	(110)
5	1,519	(195)	(220)	(220)	(179)	(169)	(100)	(161)	(124)	(226)	(109)
6	1,558	(195)	(219)	(220)	(178)	(169)	(99)	(161)	(124)	(226)	(108)
7	1,658	(182)	(213)	(216)	(175)	(163)	(90)	(151)	(115)	(222)	(89)
8	1,807	6,219	5,024	6,488	3,573	4,515	2,415	4,232	4,241	4,186	3,439
9	1,910	26,144	23,148	26,532	18,090	18,778	11,463	16,883	18,584	19,729	13,858
10	1,998	36,314	33,762	36,876	28,850	28,097	17,378	23,903	28,111	28,822	23,309
11	2,075	38,632	38,462	41,857	32,611	30,898	18,884	26,245	30,854	33,195	29,144
12	2,128	39,457	40,647	42,762	33,634	30,533	19,408	26,409	29,834	34,629	31,886
13	2,175	38,910	39,349	41,143	33,046	28,929	18,822	25,025	28,277	35,109	31,411
14	2,221	37,468	38,394	39,634	31,895	28,801	18,218	24,065	25,899	32,111	29,704
15	2,259	36,435	36,948	39,663	31,012	27,077	17,217	23,946	24,317	31,800	28,013
16	2,287	30,833	33,063	33,758	26,804	21,185	13,985	19,532	21,120	27,637	20,965
17	2,305	17,799	18,655	19,719	14,038	11,707	7,509	11,089	12,039	15,971	10,435
18	2,312	4,069	3,714	3,835	1,906	2,553	1,583	2,147	2,251	3,686	2,760
19	2,338	45	(101)	(140)	(181)	(66)	(12)	(107)	444	38	33
20	2,380	(204)	(227)	(227)	(182)	(171)	(99)	(179)	311	(237)	(108)
21	2,305	(192)	(219)	(218)	(176)	(164)	(100)	(167)	(6)	(224)	(109)
22	2,201	(192)	(218)	(219)	(176)	(166)	(99)	(164)	(120)	(223)	(109)
23	2,067	(192)	(213)	(218)	(176)	(162)	(98)	(162)	(119)	(223)	(109)
24	1,915	(193)	(216)	(219)	(177)	(164)	(99)	(161)	(120)	(225)	(110)

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**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20210007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: DECEMBER 20, 2021**

**Tampa Electric Company  
SoBRA Projects  
November 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	9,299	18.4	0.7	1,314,807
2 Balm	74.2	9,253	17.3	0.7	
3 Lithia	74.3	9,884	18.5	0.8	
4 Grange Hall	60.8	7,594	17.3	0.6	
5 Peace Creek	54.8	6,930	17.5	0.5	
6 Bonnie Mine	37.4	4,371	16.2	0.3	
7 Lake Hancock	49.4	6,042	17.0	0.5	
8 Wimauma	74.7	6,835	12.7	0.5	
9 Little Manatee River	74.3	7,925	14.8	0.6	
10 Durrance	59.8	6,726	15.6	0.5	
11 Total	629.8	74,859	16.5	5.7	

	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	30,535	7.15	0	NA	2,218	0.00
13 Balm	30,384	7.15	0	NA	2,208	0.00
14 Lithia	53,337	7.15	0	NA	1,122	0.00
15 Grange Hall	40,979	7.15	0	NA	862	0.00
16 Peace Creek	37,396	7.15	0	NA	787	0.00
17 Bonnie Mine	23,587	7.15	0	NA	496	0.00
18 Lake Hancock	32,604	7.15	0	NA	686	0.00
19 Wimauma	45,933	7.15	0	NA	325	0.00
20 Little Manatee River	53,258	7.15	0	NA	377	0.00
21 Durrance	47,760	7.15	0	NA	205	0.00
22 Total	395,775		0		9,284	

	CO <sub>2</sub> Reductions (Tons)	NOx Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	4,226	0.8	0.6	0.002
24 Balm	4,205	0.8	0.6	0.002
25 Lithia	4,492	0.8	0.6	0.002
26 Grange Hall	3,451	0.6	0.5	0.001
27 Peace Creek	3,150	0.6	0.5	0.001
28 Bonnie Mine	1,987	0.4	0.3	0.001
29 Lake Hancock	2,746	0.5	0.4	0.001
30 Wimauma	3,107	0.6	0.4	0.001
31 Little Manatee River	3,602	0.7	0.5	0.001
32 Durrance	3,057	0.6	0.4	0.001
33 Total	34,023	6.4	4.9	0.014

	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	31,196	568,303	260,219	(73,443)	0	786,275
35 Balm	49,512	668,529	257,229	(75,422)	0	899,848
36 Lithia	52,114	677,258	264,160	(71,155)	0	922,376
37 Grange Hall	49,063	534,910	220,862	(58,232)	0	746,603
38 Peace Creek	35,181	505,751	194,261	(51,400)	0	683,793
39 Bonnie Mine	26,792	346,432	144,917	(38,654)	0	479,487
40 Lake Hancock	50,622	451,100	178,500	(46,710)	0	633,512
41 Wimauma	33,924	730,227	274,293	(75,766)	0	962,678
42 Little Manatee River	106,851	659,600	291,189	(85,115)	0	972,526
43 Durrance	18,701	593,028	226,406	(55,065)	0	783,070
44 Total	453,957	5,735,138	2,312,036	(630,963)	0	7,870,167

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. 20210007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: DECEMBER 20, 2021**

**Tampa Electric Company  
SoBRA Projects  
Year-to-Date November 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	123,259	21.9	0.7	17,195,794
2 Balm	74.2	139,788	23.5	0.8	
3 Lithia	74.3	142,690	24.0	0.8	
4 Grange Hall	60.8	115,183	23.6	0.7	
5 Peace Creek	54.8	104,022	23.7	0.6	
6 Bonnie Mine	37.4	67,243	22.4	0.4	
7 Lake Hancock	49.4	88,446	22.3	0.5	
8 Wimauma	74.7	131,419	21.9	0.8	
9 Little Manatee River	74.3	125,273	21.0	0.7	
10 Durrance	59.8	97,082	20.3	0.6	
11 Total	629.8	1,134,405	22.5	6.6	

	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	404,741	4.84	0	NA	29,406	75.41
13 Balm	459,017	4.84	0	NA	33,349	75.41
14 Lithia	769,997	4.84	0	NA	16,195	75.41
15 Grange Hall	621,561	4.84	0	NA	13,073	75.41
16 Peace Creek	561,333	4.84	0	NA	11,806	75.41
17 Bonnie Mine	362,863	4.84	0	NA	7,632	75.41
18 Lake Hancock	477,280	4.84	0	NA	10,038	75.41
19 Wimauma	883,176	4.84	0	NA	6,248	75.41
20 Little Manatee River	841,873	4.84	0	NA	5,956	75.41
21 Durrance	689,359	4.84	0	NA	2,954	75.41
22 Total	6,071,202		0		136,657	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	56,033	10.6	7.9	0.023
24 Balm	63,551	12.1	8.9	0.026
25 Lithia	64,869	12.3	9.1	0.026
26 Grange Hall	52,365	9.9	7.3	0.021
27 Peace Creek	47,291	9.0	6.6	0.019
28 Bonnie Mine	30,570	5.8	4.3	0.012
29 Lake Hancock	40,210	7.6	5.6	0.016
30 Wimauma	59,748	11.4	8.4	0.024
31 Little Manatee River	56,954	10.8	8.0	0.023
32 Durrance	44,135	8.4	6.2	0.018
33 Total	515,725	97.8	72.4	0.210

	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	451,102	6,258,138	2,845,112	(807,875)	0	8,746,477
35 Balm	512,494	7,364,022	2,817,217	(829,639)	0	9,864,095
36 Lithia	576,783	7,462,541	2,893,800	(782,709)	0	10,150,415
37 Grange Hall	457,181	5,890,989	2,415,804	(640,556)	0	8,123,418
38 Peace Creek	362,322	5,564,700	2,124,692	(565,401)	0	7,486,313
39 Bonnie Mine	283,292	3,797,650	1,577,167	(425,199)	0	5,232,910
40 Lake Hancock	435,631	4,951,503	1,947,051	(513,814)	0	6,820,372
41 Wimauma	409,022	3,538,675	1,177,113	(833,428)	0	4,291,382
42 Little Manatee River	949,882	1,927,977	826,416	(936,260)	0	2,768,015
43 Durrance	151,271	6,171,072	2,259,994	(605,717)	0	7,976,620
44 Total	4,588,981	52,927,267	20,884,366	(6,940,597)	0	71,460,017

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.