

# AUSLEY & McMULLEN

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June 25, 2021

**VIA: ELECTRONIC FILING**

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

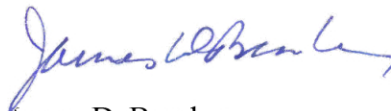
Re: Environmental Cost Recovery Clause;  
FPSC Docket No. 20210007-EI

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 May 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 June, 2021 to the following:

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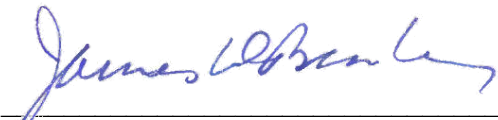
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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
May 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	2,197	(182)	(217)	(220)	(178)	(169)	(100)	(149)	(133)	(218)	(104)
2	2,026	(182)	(217)	(220)	(178)	(170)	(99)	(149)	(136)	(218)	(104)
3	1,906	(182)	(218)	(220)	(178)	(170)	(99)	(149)	(138)	(219)	(105)
4	1,831	(182)	(217)	(220)	(178)	(170)	(99)	(150)	(138)	(220)	(104)
5	1,808	(182)	(218)	(220)	(178)	(169)	(98)	(149)	(137)	(220)	(104)
6	1,853	(182)	(217)	(220)	(178)	(170)	(97)	(149)	(137)	(219)	(103)
7	1,941	(51)	(91)	(58)	(99)	(91)	(37)	(41)	59	(157)	1
8	2,026	11,352	11,977	14,365	8,716	9,135	5,414	8,295	11,809	9,766	6,751
9	2,207	36,186	36,301	42,041	29,765	28,841	18,051	24,668	36,173	33,156	22,128
10	2,439	45,293	50,201	53,492	41,432	37,581	25,686	31,605	51,920	43,833	33,799
11	2,676	48,319	50,157	51,856	42,617	40,462	27,199	33,387	53,832	43,612	38,336
12	2,907	54,033	54,744	56,521	47,974	42,137	27,825	34,413	57,794	49,789	43,261
13	3,116	56,839	57,244	58,222	49,062	43,781	28,996	34,954	59,499	52,850	46,158
14	3,293	52,412	56,193	57,989	47,740	43,179	28,902	33,650	57,495	53,313	45,107
15	3,435	52,250	55,914	57,730	46,043	39,160	27,422	30,709	57,062	54,052	44,614
16	3,545	51,433	53,663	54,732	45,421	38,865	25,812	28,797	54,719	52,698	41,793
17	3,600	47,942	48,784	51,213	42,618	36,483	23,799	27,229	51,361	49,653	40,798
18	3,601	45,176	47,023	49,580	38,380	33,287	20,660	23,816	47,672	44,089	34,815
19	3,489	30,299	32,211	35,210	25,833	21,474	14,166	17,362	31,075	29,073	22,101
20	3,293	7,082	7,914	8,869	5,874	4,813	3,196	3,884	8,045	7,767	5,898
21	3,145	(356)	(395)	(409)	(340)	(304)	(78)	(256)	(106)	(370)	234
22	2,951	(191)	(219)	(223)	(181)	(172)	(100)	(150)	(134)	(218)	(106)
23	2,694	(184)	(216)	(219)	(178)	(168)	(99)	(149)	(134)	(217)	(105)
24	2,434	(181)	(216)	(220)	(178)	(168)	(98)	(149)	(134)	(217)	(104)

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Tampa Electric Company  
SoBRA Projects  
May 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	16,634	31.9	1.0	1,652,633
2 Balm	74.2	17,352	31.4	1.0	
3 Lithia	74.3	18,267	33.0	1.1	
4 Grange Hall	60.8	14,552	32.2	0.9	
5 Peace Creek	54.8	12,934	31.7	0.8	
6 Bonnie Mine	37.4	8,562	30.8	0.5	
7 Lake Hancock	49.4	10,264	27.9	0.6	
8 Wimauma	74.7	17,972	32.3	1.1	
9 Little Manatee River	74.3	16,157	29.2	1.0	
10 Durrance	59.8	13,159	29.6	0.8	
11 Total	629.8	145,853	31.1	8.8	

	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	54,621	4.05	0	NA	3,968	77.25
13 Balm	56,978	4.05	0	NA	4,140	77.25
14 Lithia	98,574	4.05	0	NA	2,073	77.25
15 Grange Hall	78,527	4.05	0	NA	1,652	77.25
16 Peace Creek	69,796	4.05	0	NA	1,468	77.25
17 Bonnie Mine	46,203	4.05	0	NA	972	77.25
18 Lake Hancock	55,388	4.05	0	NA	1,165	77.25
19 Wimauma	120,777	4.05	0	NA	854	77.25
20 Little Manatee River	108,580	4.05	0	NA	768	77.25
21 Durrance	93,439	4.05	0	NA	400	77.25
22 Total	782,883		0		17,461	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	7,560	1.4	1.1	0.003
24 Balm	7,886	1.5	1.1	0.003
25 Lithia	8,302	1.6	1.2	0.003
26 Grange Hall	6,614	1.2	0.9	0.003
27 Peace Creek	5,879	1.1	0.8	0.002
28 Bonnie Mine	3,891	0.7	0.6	0.002
29 Lake Hancock	4,665	0.9	0.7	0.002
30 Wimauma	8,168	1.5	1.2	0.003
31 Little Manatee River	7,343	1.4	1.1	0.003
32 Durrance	5,981	1.1	0.9	0.002
33 Total	66,290	12.4	9.5	0.027

	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	42,287	572,233	258,131	(73,443)	0	799,208
35 Balm	67,335	673,535	255,696	(75,422)	0	921,144
36 Lithia	75,565	682,599	262,665	(71,155)	0	949,673
37 Grange Hall	37,398	538,654	219,176	(58,232)	0	736,996
38 Peace Creek	34,479	508,721	192,763	(51,400)	0	684,563
39 Bonnie Mine	35,920	347,624	143,334	(38,654)	0	488,224
40 Lake Hancock	36,840	452,326	176,506	(46,710)	0	618,962
41 Wimauma	32,945	88,095	453	(75,766)	0	45,727
42 Little Manatee River	88,617	68,033	27,118	(85,115)	0	98,653
43 Durrance	24,673	569,490	218,305	(110,130)	0	702,338
44 Total	476,060	4,501,310	1,754,147	(686,029)	0	6,045,488

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 May 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	55,421	21.8	0.8	7,226,387
2 Balm	74.2	66,731	24.8	0.9	
3 Lithia	74.3	67,175	25.0	0.9	
4 Grange Hall	60.8	55,344	25.1	0.8	
5 Peace Creek	54.8	49,723	25.0	0.7	
6 Bonnie Mine	37.4	32,285	23.8	0.4	
7 Lake Hancock	49.4	42,638	23.8	0.6	
8 Wimauma	74.7	69,513	25.7	1.0	
9 Little Manatee River	74.3	64,391	23.9	0.9	
10 Durrance	59.8	47,565	22.0	0.7	
11 Total	629.8	550,786	24.1	7.6	

	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	181,984	3.75	0	NA	13,222	79.95
13 Balm	219,122	3.75	0	NA	15,920	79.95
14 Lithia	362,496	3.75	0	NA	7,624	79.95
15 Grange Hall	298,652	3.75	0	NA	6,281	79.95
16 Peace Creek	268,320	3.75	0	NA	5,643	79.95
17 Bonnie Mine	174,219	3.75	0	NA	3,664	79.95
18 Lake Hancock	230,087	3.75	0	NA	4,839	79.95
19 Wimauma	467,149	3.75	0	NA	3,305	79.95
20 Little Manatee River	432,727	3.75	0	NA	3,061	79.95
21 Durrance	337,749	3.75	0	NA	1,447	79.95
22 Total	2,972,506		0		65,008	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
23 Payne Creek	25,201	4.8	3.5	0.010
24 Balm	30,346	5.8	4.2	0.012
25 Lithia	30,548	5.9	4.2	0.012
26 Grange Hall	25,168	4.8	3.5	0.010
27 Peace Creek	22,612	4.4	3.1	0.009
28 Bonnie Mine	14,682	2.8	2.0	0.006
29 Lake Hancock	19,390	3.7	2.7	0.008
30 Wimauma	31,612	6.1	4.3	0.013
31 Little Manatee River	29,283	5.6	4.0	0.012
32 Durrance	21,630	4.2	3.0	0.009
33 Total	250,470	48.2	34.4	0.100

	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	216,292	2,870,475	1,290,655	(367,216)	0	4,010,206
35 Balm	260,906	3,375,505	1,278,480	(377,109)	0	4,537,782
36 Lithia	294,346	3,421,162	1,313,325	(355,777)	0	4,673,056
37 Grange Hall	179,222	2,700,489	1,095,880	(291,162)	0	3,684,429
38 Peace Creek	177,659	2,549,499	963,815	(257,000)	0	3,433,972
39 Bonnie Mine	146,167	1,734,040	712,414	(193,272)	0	2,399,349
40 Lake Hancock	232,550	2,267,200	882,530	(233,552)	0	3,148,728
41 Wimauma	233,245	1,738,965	626,715	(378,831)	0	2,220,094
42 Little Manatee River	517,408	341,001	135,566	(425,573)	0	568,402
43 Durrance	33,212	2,676,048	922,044	(440,522)	0	3,190,782
44 Total	2,291,005	23,674,384	9,221,424	(3,320,012)	0	31,866,801

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.