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August 25, 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 July 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 27th day of July 2020 to the following:

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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
July 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	2,461	(200)	(219)	(200)	(179)	(175)	(111)	(151)	(143)	(221)
2	2,303	(200)	(219)	(201)	(179)	(175)	(111)	(151)	(143)	(221)
3	2,191	(200)	(219)	(202)	(180)	(176)	(111)	(152)	(145)	(222)
4	2,117	(200)	(220)	(202)	(179)	(176)	(111)	(152)	(145)	(221)
5	2,086	(200)	(220)	(202)	(179)	(176)	(110)	(152)	(145)	(222)
6	2,116	(200)	(219)	(201)	(179)	(175)	(110)	(152)	(145)	(220)
7	2,170	(190)	(206)	(201)	(176)	(157)	(80)	(139)	(43)	(210)
8	2,250	10,136	9,143	7,665	6,651	6,728	4,085	6,701	10,395	7,537
9	2,473	33,483	33,397	29,502	25,383	23,628	15,412	21,550	34,235	31,225
10	2,763	48,384	42,600	38,004	36,882	33,793	21,759	29,983	47,036	40,772
11	3,052	50,858	53,207	46,274	40,225	36,549	23,156	32,477	54,839	49,160
12	3,335	53,101	50,752	45,553	43,852	39,348	25,555	36,136	54,904	52,230
13	3,552	49,775	50,966	44,073	42,873	36,265	23,188	31,270	53,491	51,834
14	3,683	48,414	52,906	44,117	41,089	30,618	20,833	27,340	55,132	52,061
15	3,757	45,443	44,828	39,651	38,562	31,859	19,562	27,733	49,123	53,424
16	3,792	37,001	41,510	37,634	34,662	26,389	16,604	24,788	45,592	50,423
17	3,787	31,078	34,822	32,227	28,577	21,385	14,262	19,748	37,911	43,898
18	3,741	28,578	30,971	28,757	25,498	18,675	11,728	15,284	34,234	35,916
19	3,603	18,091	18,176	17,037	14,472	13,049	8,273	12,138	20,345	21,904
20	3,418	4,736	5,435	5,349	4,275	3,118	2,688	3,270	6,699	6,932
21	3,272	(208)	(265)	(271)	(227)	(222)	(17)	(194)	114	(136)
22	3,123	(213)	(232)	(215)	(188)	(182)	(111)	(157)	(135)	(223)
23	2,901	(199)	(217)	(206)	(179)	(173)	(111)	(152)	(136)	(220)
24	2,668	(199)	(217)	(206)	(179)	(173)	(111)	(152)	(139)	(221)

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**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20200007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: AUGUST 25, 2020**

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20200007-EI  
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**Tampa Electric Company  
SoBRA Projects  
July 2020**

	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	14,163	27.2	0.8	1,813,167
2 Balm	74.2	14,455	26.2	0.8	
3 Lithia	74.3	12,820	23.2	0.7	
4 Grange Hall	60.8	11,812	26.1	0.7	
5 Peace Creek	54.8	9,903	24.3	0.5	
6 Bonnie Mine	37.4	6,386	23.0	0.4	
7 Lake Hancock	49.4	8,887	24.2	0.5	
8 Wimauma	74.7	15,585	28.0	0.9	
9 Little Manatee River	74.3	15,344	27.8	0.8	
10 Total	570.0	109,355	25.8	6.0	

	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)
11 Payne Creek	0	2.48	0	NA	6,211	66.88
12 Balm	0	2.48	0	NA	6,339	66.88
13 Lithia	82,565	2.48	0	NA	757	66.88
14 Grange Hall	76,073	2.48	0	NA	698	66.88
15 Peace Creek	63,779	2.48	0	NA	585	66.88
16 Bonnie Mine	41,128	2.48	0	NA	377	66.88
17 Lake Hancock	57,235	2.48	0	NA	525	66.88
18 Wimauma	114,334	2.48	0	NA	4	66.88
19 Little Manatee River	112,566	2.48	0	NA	3	66.88
20 Total	547,681		0		15,499	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	6,444	1.3	0.8	0.002
22 Balm	6,577	1.3	0.9	0.003
23 Lithia	5,833	1.2	0.8	0.002
24 Grange Hall	5,374	1.1	0.7	0.002
25 Peace Creek	4,506	0.9	0.6	0.002
26 Bonnie Mine	2,906	0.6	0.4	0.001
27 Lake Hancock	4,044	0.8	0.5	0.002
28 Wimauma	7,091	1.4	0.9	0.003
29 Little Manatee River	6,982	1.4	0.9	0.003
30 Total	49,757	9.8	6.6	0.019

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	43,759	587,116	258,456	(73,443)	0	815,888
32 Balm	52,512	687,918	255,696	(75,422)	0	920,705
33 Lithia	57,257	697,405	262,665	(71,155)	0	946,172
34 Grange Hall	40,519	551,111	219,168	(58,232)	0	752,565
35 Peace Creek	35,051	520,644	193,199	(51,400)	0	697,494
36 Bonnie Mine	29,096	353,210	142,272	(38,654)	0	485,924
37 Lake Hancock	40,848	462,106	176,334	(46,710)	0	632,577
38 Wimauma	29,027	466,530	156,517	(75,766)	0	576,308
39 Little Manatee River	150,584	69,883	31,523	(85,115)	0	166,875
40 Total	478,654	4,395,923	1,695,830	(575,898)	0	5,994,509

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: AUGUST 25, 2020**

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

	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	89,966	25.1	0.8	10,905,596
2 Balm	74.2	95,102	25.1	0.9	
3 Lithia	74.3	92,592	24.4	0.8	
4 Grange Hall	60.8	74,999	24.1	0.7	
5 Peace Creek	54.8	64,765	23.1	0.6	
6 Bonnie Mine	37.4	42,197	22.1	0.4	
7 Lake Hancock	49.4	49,297	19.5	0.5	
8 Wimauma	74.7	68,461	31.3	0.6	
9 Little Manatee River	74.3	92,448	29.5	0.8	
10 Total	570.0	669,827	25.0	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)
11 Payne Creek	0	2.68	0	NA	39,451	86.81
12 Balm	0	2.68	0	NA	41,703	86.81
13 Lithia	596,324	2.68	0	NA	5,470	86.81
14 Grange Hall	483,019	2.68	0	NA	4,431	86.81
15 Peace Creek	417,108	2.68	0	NA	3,826	86.81
16 Bonnie Mine	271,763	2.68	0	NA	2,493	86.81
17 Lake Hancock	317,489	2.68	0	NA	2,912	86.81
18 Wimauma	456,230	2.68	0	NA	14	86.81
19 Little Manatee River	675,215	2.68	0	NA	15	86.81
20 Total	3,217,149		0		100,315	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	41,445	8.5	6.2	0.018
22 Balm	43,811	9.0	6.6	0.019
23 Lithia	42,682	8.8	6.4	0.019
24 Grange Hall	34,552	7.1	5.2	0.015
25 Peace Creek	29,821	6.1	4.5	0.013
26 Bonnie Mine	19,437	4.0	2.9	0.009
27 Lake Hancock	22,617	4.6	3.3	0.010
28 Wimauma	28,296	5.6	3.7	0.011
29 Little Manatee River	42,152	8.5	6.0	0.017
30 Total	304,813	62.1	44.7	0.131

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	336,452	4,151,453	1,829,984	(514,102)	0	5,803,786
32 Balm	355,640	4,851,782	1,786,272	(527,952)	0	6,465,742
33 Lithia	407,441	4,917,873	1,838,945	(499,051)	0	6,665,207
34 Grange Hall	289,432	3,888,317	1,619,711	(408,781)	0	5,388,679
35 Peace Creek	193,464	3,654,526	1,369,349	(363,994)	0	4,853,345
36 Bonnie Mine	243,731	2,489,999	996,423	(273,760)	0	3,456,393
37 Lake Hancock	302,592	3,258,171	1,233,699	(327,497)	0	4,466,965
38 Wimauma	113,410	1,679,766	486,726	(303,065)	0	1,976,837
39 Little Manatee River	630,638	273,570	109,247	(510,687)	0	502,768
40 Total	2,872,800	29,165,457	11,270,356	(3,728,890)	0	39,579,723

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.