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October 26, 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 September 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 26th day of October 2020 to the following:

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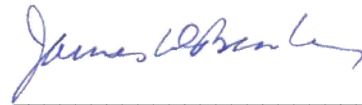
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
September 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	2,237	(187)	(218)	(202)	(177)	(174)	(107)	(152)	(143)	(224)
2	2,098	(186)	(218)	(202)	(178)	(174)	(107)	(152)	(144)	(223)
3	2,004	(186)	(218)	(202)	(179)	(174)	(107)	(152)	(146)	(225)
4	1,944	(186)	(218)	(203)	(178)	(173)	(107)	(152)	(147)	(225)
5	1,931	(186)	(218)	(203)	(177)	(172)	(107)	(152)	(147)	(224)
6	1,982	(186)	(218)	(202)	(176)	(172)	(107)	(152)	(146)	(223)
7	2,083	(190)	(218)	(202)	(175)	(172)	(106)	(151)	(145)	(223)
8	2,156	1,879	1,800	1,136	1,235	1,331	844	1,341	2,324	823
9	2,291	20,906	22,705	21,215	16,695	14,011	9,329	13,677	22,002	18,187
10	2,527	38,165	44,189	38,690	35,225	27,812	18,887	24,898	43,813	40,642
11	2,778	42,696	47,320	42,292	39,287	33,205	21,779	29,061	48,548	43,318
12	3,020	43,913	46,874	43,243	38,196	35,054	23,404	30,687	48,878	43,147
13	3,222	44,793	47,640	43,407	37,541	35,715	22,603	30,200	48,814	43,667
14	3,375	46,580	45,881	44,820	39,744	36,825	22,407	30,041	45,835	43,902
15	3,459	41,433	44,547	40,003	35,334	33,995	21,221	29,012	45,571	43,351
16	3,482	37,759	37,998	33,864	32,508	27,023	17,417	22,835	39,257	37,555
17	3,465	29,395	29,869	29,295	27,488	18,549	13,490	15,165	32,139	32,756
18	3,408	18,765	21,593	19,842	16,716	12,026	9,039	10,931	22,330	24,070
19	3,275	5,925	7,479	5,756	4,957	4,279	3,131	3,784	8,667	9,871
20	3,147	(75)	52	(37)	(1)	(150)	45	(111)	395	280
21	3,041	(205)	(242)	(222)	(198)	(185)	(106)	(161)	(140)	(245)
22	2,840	(184)	(218)	(201)	(178)	(175)	(106)	(151)	(140)	(223)
23	2,628	(184)	(218)	(200)	(178)	(174)	(106)	(151)	(139)	(222)
24	2,412	(184)	(219)	(201)	(178)	(174)	(107)	(151)	(142)	(223)

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**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200007-EI
SOLAR PLANT OPERATION
STATUS REPORT
FILED: OCTOBER 26, 2020**

**Tampa Electric Company
SoBRA Projects
September 2020**

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	11,101	22.0	0.7	1,654,566
2 Balm	74.2	11,864	22.2	0.7	
3 Lithia	74.3	10,837	20.3	0.7	
4 Grange Hall	60.8	9,689	22.1	0.6	
5 Peace Creek	54.8	8,333	21.1	0.5	
6 Bonnie Mine	37.4	5,472	20.3	0.3	
7 Lake Hancock	49.4	7,195	20.2	0.4	
8 Wimauma	74.7	12,210	22.7	0.7	
9 Little Manatee River	74.3	11,373	21.3	0.7	
10 Total	570.0	88,074	21.5	5.3	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽³⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
11 Payne Creek	0	3.39	0	NA	4,868	79.37
12 Balm	0	3.39	0	NA	5,202	79.37
13 Lithia	69,794	3.39	0	NA	640	79.37
14 Grange Hall	62,400	3.39	0	NA	572	79.37
15 Peace Creek	53,667	3.39	0	NA	492	79.37
16 Bonnie Mine	35,242	3.39	0	NA	323	79.37
17 Lake Hancock	46,338	3.39	0	NA	425	79.37
18 Wimauma	89,575	3.39	0	NA	3	79.37
19 Little Manatee River	83,434	3.39	0	NA	3	79.37
20 Total	440,451		0		12,529	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	5,051	1.0	0.7	0.002
22 Balm	5,398	1.1	0.7	0.002
23 Lithia	4,931	1.0	0.7	0.002
24 Grange Hall	4,408	0.9	0.6	0.002
25 Peace Creek	3,792	0.7	0.5	0.001
26 Bonnie Mine	2,490	0.5	0.3	0.001
27 Lake Hancock	3,274	0.6	0.4	0.001
28 Wimauma	5,556	1.1	0.7	0.002
29 Little Manatee River	5,175	1.0	0.7	0.002
30 Total	40,074	7.9	5.3	0.016

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	14,256	583,920	258,456	(73,443)	0	783,189
32 Balm	19,758	684,787	255,696	(75,422)	0	884,820
33 Lithia	26,906	694,185	262,665	(71,155)	0	912,600
34 Grange Hall	27,251	548,416	219,169	(58,232)	0	736,603
35 Peace Creek	8,120	517,184	192,739	(51,400)	0	666,643
36 Bonnie Mine	19,037	351,454	142,270	(38,654)	0	474,106
37 Lake Hancock	(9,824)	460,128	176,503	(46,710)	0	580,096
38 Wimauma	24,225	464,876	156,612	(75,766)	0	569,947
39 Little Manatee River	86,130	69,548	34,452	(85,115)	0	105,015
40 Total	215,858	4,374,498	1,698,562	(575,898)	0	5,713,019

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: OCTOBER 26, 2020**

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

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.1	114,376	24.8	0.8	14,349,350
2 Balm	74.2	119,325	24.5	0.8	
3 Lithia	74.3	115,754	23.7	0.8	
4 Grange Hall	60.8	94,918	23.7	0.7	
5 Peace Creek	54.8	82,202	22.8	0.6	
6 Bonnie Mine	37.4	53,757	21.9	0.4	
7 Lake Hancock	49.4	64,614	19.9	0.5	
8 Wimauma	74.7	92,661	28.2	0.6	
9 Little Manatee River	74.3	115,949	27.4	0.8	
10 Total	570.0	853,556	24.3	5.9	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽³⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
11 Payne Creek	0	2.80	0	NA	50,155	83.12
12 Balm	0	2.80	0	NA	52,325	83.12
13 Lithia	745,495	2.80	0	NA	6,838	83.12
14 Grange Hall	611,304	2.80	0	NA	5,607	83.12
15 Peace Creek	529,409	2.80	0	NA	4,856	83.12
16 Bonnie Mine	346,213	2.80	0	NA	3,176	83.12
17 Lake Hancock	416,136	2.80	0	NA	3,817	83.12
18 Wimauma	633,766	2.80	0	NA	20	83.12
19 Little Manatee River	847,623	2.80	0	NA	20	83.12
20 Total	4,129,946		0		126,815	

	CO ₂ Reductions (Tons)	NOx Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	52,551	10.7	7.7	0.022
22 Balm	54,833	11.2	8.0	0.023
23 Lithia	53,221	10.9	7.8	0.023
24 Grange Hall	43,615	8.9	6.4	0.019
25 Peace Creek	37,755	7.7	5.5	0.016
26 Bonnie Mine	24,697	5.0	3.6	0.011
27 Lake Hancock	29,586	6.0	4.2	0.012
28 Wimauma	39,307	7.8	5.2	0.015
29 Little Manatee River	52,845	10.6	7.4	0.022
30 Total	388,410	78.7	55.7	0.163

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	409,011	5,321,026	2,346,896	(660,989)	0	7,415,945
32 Balm	439,791	6,223,080	2,297,664	(678,795)	0	8,281,740
33 Lithia	515,262	6,308,014	2,364,275	(641,362)	0	8,546,189
34 Grange Hall	354,529	4,986,624	2,058,049	(525,246)	0	6,873,956
35 Peace Creek	252,237	4,690,746	1,755,292	(466,794)	0	6,231,480
36 Bonnie Mine	294,306	3,193,864	1,280,963	(351,069)	0	4,418,064
37 Lake Hancock	372,370	4,179,613	1,586,703	(420,918)	0	5,717,768
38 Wimauma	165,467	2,610,443	799,875	(454,597)	0	3,121,188
39 Little Manatee River	783,114	412,825	178,112	(680,916)	0	693,135
40 Total	3,586,086	37,926,235	14,667,829	(4,880,686)	0	51,299,464

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.