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September 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 August 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 25th day of September 2020 to the following:

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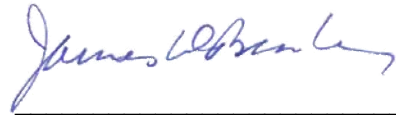
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
August 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	2,439	(187)	(218)	(215)	(179)	(174)	(111)	(152)	(141)	(215)
2	2,286	(187)	(217)	(215)	(179)	(175)	(111)	(152)	(142)	(216)
3	2,182	(187)	(217)	(216)	(179)	(175)	(111)	(152)	(141)	(217)
4	2,112	(187)	(217)	(216)	(179)	(175)	(111)	(152)	(143)	(218)
5	2,086	(187)	(217)	(216)	(178)	(175)	(111)	(152)	(143)	(216)
6	2,117	(187)	(217)	(216)	(178)	(174)	(111)	(151)	(142)	(217)
7	2,186	(190)	(217)	(216)	(178)	(174)	(110)	(152)	(141)	(217)
8	2,254	4,879	4,903	4,509	3,595	3,928	2,226	3,427	5,507	3,086
9	2,452	28,190	29,159	30,719	22,141	20,351	13,223	17,501	27,595	25,214
10	2,744	46,050	45,997	45,604	38,551	32,630	21,153	27,025	45,520	41,685
11	3,057	49,917	48,751	48,534	40,468	33,588	22,853	29,066	48,054	44,780
12	3,340	52,821	50,548	46,908	39,624	35,624	23,843	32,437	46,507	43,491
13	3,544	47,966	45,177	44,984	37,233	35,707	24,282	33,316	42,173	40,597
14	3,656	45,032	40,399	41,771	34,994	29,770	19,488	27,130	39,028	40,513
15	3,688	44,357	36,775	40,612	34,498	28,844	19,249	25,658	36,838	36,885
16	3,674	41,412	33,017	33,239	30,223	28,815	19,006	25,230	31,158	32,996
17	3,648	32,992	28,468	27,072	21,553	21,428	14,651	19,527	25,536	31,108
18	3,593	22,627	21,618	20,709	16,724	16,568	10,850	15,191	22,335	29,349
19	3,493	12,499	12,676	12,297	9,890	7,154	5,670	7,165	13,711	18,816
20	3,339	2,687	3,640	3,101	2,591	1,216	1,068	1,029	4,278	5,146
21	3,237	(266)	(309)	(339)	(263)	(219)	(94)	(199)	(87)	(290)
22	3,065	(193)	(221)	(230)	(181)	(174)	(111)	(153)	(136)	(217)
23	2,847	(187)	(216)	(213)	(178)	(172)	(111)	(151)	(135)	(213)
24	2,622	(187)	(216)	(214)	(179)	(172)	(111)	(151)	(136)	(214)

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

**Tampa Electric Company
SoBRA Projects
August 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	13,309	25.5	0.7	1,789,188
2 Balm	74.2	12,359	22.4	0.7	
3 Lithia	74.3	12,325	22.3	0.7	
4 Grange Hall	60.8	10,230	22.6	0.6	
5 Peace Creek	54.8	9,104	22.3	0.5	
6 Bonnie Mine	37.4	6,088	21.9	0.3	
7 Lake Hancock	49.4	8,122	22.1	0.5	
8 Wimauma	74.7	11,990	21.6	0.7	
9 Little Manatee River	74.3	12,128	21.9	0.7	
10 Total	570.0	95,655	22.6	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	2.98	0	NA	5,836	71.70
12 Balm	0	2.98	0	NA	5,420	71.70
13 Lithia	79,377	2.98	0	NA	728	71.70
14 Grange Hall	65,885	2.98	0	NA	604	71.70
15 Peace Creek	58,633	2.98	0	NA	538	71.70
16 Bonnie Mine	39,209	2.98	0	NA	360	71.70
17 Lake Hancock	52,308	2.98	0	NA	480	71.70
18 Wimauma	87,961	2.98	0	NA	3	71.70
19 Little Manatee River	88,973	2.98	0	NA	3	71.70
20 Total	472,346		0		13,971	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	6,056	1.2	0.8	0.002
22 Balm	5,623	1.1	0.7	0.002
23 Lithia	5,608	1.1	0.7	0.002
24 Grange Hall	4,655	0.9	0.6	0.002
25 Peace Creek	4,142	0.8	0.5	0.002
26 Bonnie Mine	2,770	0.5	0.4	0.001
27 Lake Hancock	3,696	0.7	0.5	0.001
28 Wimauma	5,455	1.1	0.7	0.002
29 Little Manatee River	5,518	1.1	0.7	0.002
30 Total	43,523	8.6	5.7	0.017

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	58,304	585,653	258,456	(73,443)	0	828,970
32 Balm	64,392	686,511	255,696	(75,422)	0	931,177
33 Lithia	80,915	695,956	262,665	(71,155)	0	968,381
34 Grange Hall	37,846	549,891	219,169	(58,232)	0	748,673
35 Peace Creek	50,652	519,036	193,204	(51,400)	0	711,492
36 Bonnie Mine	31,539	352,411	142,270	(38,654)	0	487,565
37 Lake Hancock	79,602	461,314	176,501	(46,710)	0	670,707
38 Wimauma	27,832	465,801	156,537	(75,766)	0	574,403
39 Little Manatee River	66,346	69,707	34,413	(85,115)	0	85,352
40 Total	497,428	4,386,280	1,698,911	(575,898)	0	6,006,721

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: SEPTEMBER 25, 2020**

**Tampa Electric Company
SoBRA Projects
Year-to-Date August 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	103,275	25.2	0.8	12,694,784
2 Balm	74.2	107,461	24.7	0.8	
3 Lithia	74.3	104,917	24.1	0.8	
4 Grange Hall	60.8	85,229	23.9	0.7	
5 Peace Creek	54.8	73,869	23.0	0.6	
6 Bonnie Mine	37.4	48,285	22.1	0.4	
7 Lake Hancock	49.4	57,419	19.9	0.5	
8 Wimauma	74.7	80,451	29.3	0.6	
9 Little Manatee River	74.3	104,576	28.3	0.8	
10 Total	570.0	765,482	24.6	6.0	

	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	2.72	0	NA	45,287	84.02
12 Balm	0	2.72	0	NA	47,123	84.02
13 Lithia	675,701	2.72	0	NA	6,198	84.02
14 Grange Hall	548,904	2.72	0	NA	5,035	84.02
15 Peace Creek	475,741	2.72	0	NA	4,364	84.02
16 Bonnie Mine	310,972	2.72	0	NA	2,852	84.02
17 Lake Hancock	369,798	2.72	0	NA	3,392	84.02
18 Wimauma	544,191	2.72	0	NA	17	84.02
19 Little Manatee River	764,189	2.72	0	NA	17	84.02
20 Total	3,689,495		0		114,286	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	47,501	9.7	7.0	0.021
22 Balm	49,434	10.1	7.3	0.021
23 Lithia	48,290	9.9	7.2	0.021
24 Grange Hall	39,207	8.0	5.8	0.017
25 Peace Creek	33,963	6.9	5.0	0.015
26 Bonnie Mine	22,207	4.5	3.3	0.010
27 Lake Hancock	26,313	5.3	3.7	0.011
28 Wimauma	33,751	6.7	4.5	0.013
29 Little Manatee River	47,670	9.6	6.7	0.020
30 Total	348,336	70.8	50.5	0.148

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	394,756	4,737,106	2,088,440	(587,545)	0	6,632,756
32 Balm	420,033	5,538,293	2,041,968	(603,374)	0	7,396,920
33 Lithia	488,356	5,613,829	2,101,610	(570,207)	0	7,633,588
34 Grange Hall	327,278	4,438,208	1,838,880	(467,013)	0	6,137,353
35 Peace Creek	244,117	4,173,562	1,562,553	(415,394)	0	5,564,837
36 Bonnie Mine	275,270	2,842,410	1,138,693	(312,415)	0	3,943,958
37 Lake Hancock	382,194	3,719,485	1,410,200	(374,207)	0	5,137,671
38 Wimauma	141,242	2,145,567	643,263	(378,831)	0	2,551,241
39 Little Manatee River	696,985	343,277	143,660	(595,802)	0	588,120
40 Total	3,370,229	33,551,737	12,969,267	(4,304,788)	0	45,586,445

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.