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March 20, 2019

**VIA: ELECTRONIC FILING**

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

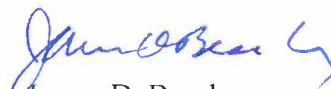
Re: Environmental Cost Recovery Clause;  
FPSC Docket No. 20190007-EI

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 February 2019, 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/pp  
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 20<sup>th</sup> day of March 2019 to the following:

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ATTORNEY

Tampa Electric Company  
SoBRA Projects  
February 2019

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)					
		Payne Creek In Service	Balm In Service	Lithia In Service	Grange Hall In Service	Peace Creek Testing	Bonnie Mine In Service
1	1,695	(186)	(209)	(208)	(129)	(53)	(98)
2	1,591	(187)	(210)	(209)	(126)	(53)	(99)
3	1,530	(188)	(210)	(209)	(124)	(53)	(98)
4	1,504	(187)	(210)	(210)	(125)	(53)	(99)
5	1,525	(187)	(209)	(210)	(125)	(54)	(99)
6	1,640	(186)	(209)	(210)	(124)	(53)	(98)
7	1,827	(185)	(209)	(208)	(124)	(53)	(95)
8	1,913	2,417	2,142	3,934	2,415	147	1,243
9	1,990	18,984	18,023	25,703	15,443	803	8,274
10	2,083	33,096	32,087	42,708	27,914	1,356	15,243
11	2,177	36,932	37,972	49,444	32,888	2,185	17,999
12	2,268	40,783	39,812	52,239	34,520	3,344	19,414
13	2,358	42,561	37,736	49,988	34,813	4,522	19,527
14	2,434	40,181	37,093	47,774	34,870	4,942	20,492
15	2,495	38,503	34,688	46,273	31,923	5,147	19,341
16	2,535	33,552	31,517	41,859	29,227	3,566	17,294
17	2,547	27,415	23,775	33,557	22,007	2,980	13,427
18	2,528	9,080	8,248	11,910	7,577	1,483	4,404
19	2,536	(237)	(288)	(264)	(79)	(35)	12
20	2,515	(188)	(235)	(205)	(143)	(57)	(94)
21	2,392	(188)	(207)	(205)	(139)	(57)	(95)
22	2,229	(187)	(209)	(207)	(136)	(58)	(98)
23	2,035	(186)	(210)	(206)	(132)	(57)	(96)
24	1,844	(186)	(209)	(207)	(130)	(57)	(97)

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20190007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: MARCH 20, 2019**

**Tampa Electric Company  
SoBRA Projects  
February 2019**

	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	70.3	8,999	19.0	0.7	1,334,866
2 Balm	74.4	8,417	16.8	0.6	
3 Lithia	74.5	11,289	22.5	0.8	
4 Grange Hall	61.0	7,613	18.6	0.6	
5 Peace Creek	55.0	833	2.3	0.1	
6 Bonnie Mine	37.5	4,354	17.3	0.3	
7 Lake Hancock	-	-	-	-	
8 Total	372.7	41,505	16.6	3.1	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(2)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(2)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
9 Payne Creek	28,656	3.75	0	NA	2,168	76.76
10 Balm	26,803	3.75	0	NA	2,027	76.76
11 Lithia	35,948	3.75	0	NA	2,719	76.76
12 Grange Hall	24,243	3.75	0	NA	1,834	76.76
13 Peace Creek	2,653	3.75	0	NA	201	76.76
14 Bonnie Mine	13,865	3.75	0	NA	1,049	76.76
15 Lake Hancock	-	-	-	-	-	-
16 Total	132,168		0		9,997	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	5,350	1.6	2.2	0.01
18 Balm	5,004	1.5	2.1	0.01
19 Lithia	6,711	2.0	2.8	0.01
20 Grange Hall	4,526	1.4	1.9	0.01
21 Peace Creek	495	0.1	0.2	0.00
22 Bonnie Mine	2,588	0.8	1.1	0.00
23 Lake Hancock	-	-	-	-
24 Total	24,675	7.5	10.4	0.05

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	11,400	598,327	257,784	(73,443)	0	794,068
26 Balm	12,849	695,127	255,030	(75,422)	0	887,584
27 Lithia	0	713,057	268,154	(78,545)	0	902,666
28 Grange Hall	0	526,409	232,556	(63,441)	0	695,524
29 Peace Creek	0	1,323	0	(27,791)	0	(26,468)
30 Bonnie Mine	0	193,000	3,105	(55,538)	0	140,567
31 Lake Hancock	0	29,390	0	0	0	29,390
32 Total	24,249	2,756,633	1,016,629	(374,180)	0	3,423,330

NA Not applicable

(1) Net Generation data represents a calendar month. Negative generation represents station service.

(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.

(3) Fuel Cost per unit data from Schedule A4.

(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. 20190007-EI  
SOLAR PLANT OPERATION  
STATUS REPORT  
FILED: MARCH 20, 2019**

**Tampa Electric Company  
SoBRA Projects  
Year-to-Date February 2019**

	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	140.6	17,051	8.6	0.6	2,798,640
2 Balm	148.8	18,589	8.8	0.7	
3 Lithia	149.0	21,247	10.1	0.8	
4 Grange Hall	122.0	9,338	5.4	0.3	
5 Peace Creek	110.0	806	0.5	0.0	
6 Bonnie Mine	75.0	4,864	4.6	0.2	
7 Lake Hancock	-	-	-	-	
8 Total	745.4	71,895	6.8	2.6	

	Natural Gas Displaced (MCF)	Cost of NG <sup>(2)</sup> (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil <sup>(2)</sup> (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal <sup>(3)</sup> (\$/Ton)
9 Payne Creek	54,297	4.16	0	NA	4,107	73.48
10 Balm	59,194	4.16	0	NA	4,477	73.48
11 Lithia	67,659	4.16	0	NA	5,118	73.48
12 Grange Hall	29,736	4.16	0	NA	2,249	73.48
13 Peace Creek	2,567	4.16	0	NA	194	73.48
14 Bonnie Mine	15,489	4.16	0	NA	1,172	73.48
15 Lake Hancock	-	-	-	-	-	-
16 Total	228,941		0		17,317	

	CO <sub>2</sub> Reductions (Tons)	NOx Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	10,137	3.1	4.3	0.02
18 Balm	11,051	3.3	4.6	0.02
19 Lithia	12,631	3.8	5.3	0.02
20 Grange Hall	5,551	1.7	2.3	0.01
21 Peace Creek	479	0.1	0.2	0.00
22 Bonnie Mine	2,892	0.9	1.2	0.01
23 Lake Hancock	-	-	-	-
24 Total	42,742	12.9	18.0	0.08

	O&M Cost (\$)	Carrying Cost <sup>(4,7)</sup> (\$)	Capital Cost <sup>(5,7)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	22,800	1,194,127	516,078	(146,886)	0	1,586,119
26 Balm	26,885	1,388,254	509,712	(150,843)	0	1,774,008
27 Lithia	0	1,068,264	268,154	(117,818)	0	1,218,600
28 Grange Hall	541	788,590	232,556	(95,162)	0	926,526
29 Peace Creek	0	1,323	0	(27,791)	0	(26,468)
30 Bonnie Mine	960	209,326	3,105	(83,306)	0	130,085
31 Lake Hancock	0	29,390	0	0	0	29,390
32 Total	51,187	4,679,274	1,529,605	(621,807)	0	5,638,258

NA Not applicable

(1) Net Generation data represents a calendar month. Negative generation represents station service.

(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.

(3) Fuel Cost per unit data from Schedule A4.

(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.

(7) Includes January adjustment to Peace Creek and Bonnie Mine Carrying Cost and Capital Cost.