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December 20, 2018

**VIA: ELECTRONIC FILING**

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

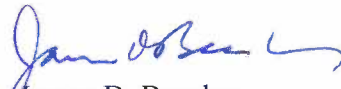
Re: Fuel and Purchased Power Cost Recovery Clause with Generating  
Performance Incentive Factor; FPSC Docket No. 20180001-EI

Dear Ms. Stauffer:

Attached for electronic filing in the above docket is Tampa Electric Company's Solar Plant Operation Status Report for the month of November 2018, 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 December to the following:

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ATTORNEY

**Tampa Electric Company  
SoBRA Projects  
November 2018**

Hour	System Retail Demand	Average Hourly Net Output (kWh)		
	(MW)	Payne Creek	Balm	Lithia
1	1,888	(170)	(164)	(90)
2	1,753	(180)	(161)	(84)
3	1,658	(179)	(173)	(88)
4	1,602	(179)	(173)	(88)
5	1,580	(179)	(173)	(88)
6	1,603	(179)	(172)	(88)
7	1,711	(178)	(181)	(88)
8	1,863	(153)	(177)	(101)
9	1,950	6,450	5,098	1,171
10	2,063	24,841	23,347	4,607
11	2,196	39,038	33,112	7,818
12	2,321	43,264	37,639	10,057
13	2,425	43,988	37,690	10,611
14	2,513	43,809	38,280	10,543
15	2,578	42,783	37,021	9,931
16	2,604	40,601	31,881	9,014
17	2,597	33,962	27,087	7,328
18	2,568	15,795	13,184	3,073
19	2,562	369	562	25
20	2,604	(222)	(253)	(111)
21	2,512	(175)	(169)	(89)
22	2,390	(172)	(165)	(90)
23	2,238	(172)	(165)	(90)
24	2,060	(171)	(165)	(90)

**Tampa Electric Company  
SoBRA Projects  
November 2018**

	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	9,987	19.7	0.7	1,460,391
2 Balm	74.4	8,493	15.8	0.6	
3 Lithia	74.5	2,421	4.5	0.2	
4 Total	219.2	20,901	13.2	1.4	

	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)
5 Payne Creek	74,734	4.17	0	NA	0	NA
6 Balm	63,554	4.17	0	NA	0	NA
7 Lithia	18,117	4.17	0	NA	0	NA
8 Total	156,404		0		0	

	CO <sub>2</sub> Reductions (Tons)	NOx Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
9 Payne Creek	5,937	1.8	2.5	0.01
10 Balm	5,049	1.5	2.1	0.01
11 Lithia	1,439	0.4	0.6	0.00
12 Total	12,426	3.8	5.2	0.02

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 Payne Creek	0	585,350	253,721	(72,751)	0	766,320
14 Balm	0	671,734	245,609	(73,948)	0	843,395
15 Lithia	0	0	0	NA	0	0
16 Total	0	1,257,084	499,330	(146,698)	0	1,609,716

NA Not applicable

(1) Net Generation data represents a calendar month.

(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. Lithia cost not available at this time.

**Tampa Electric Company  
SoBRA Projects  
Year-to-Date (September - November) 2018**

	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	25,948	16.9	0.5	5,039,497
2 Balm	74.4	18,410	11.3	0.4	
3 Lithia	74.5	2,421	1.5	0.0	
4 Total	219.2	46,779	9.8	0.9	

	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)
5 Payne Creek	194,171	4.03	0	NA	0	NA
6 Balm	137,763	4.03	0	NA	0	NA
7 Lithia	18,117	4.03	0	NA	0	NA
8 Total	350,051		0		0	

	CO <sub>2</sub> Reductions (Tons)	NOx Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
9 Payne Creek	15,426	4.7	6.5	0.03
10 Balm	10,945	3.3	4.6	0.02
11 Lithia	1,439	0.4	0.6	0.00
12 Total	27,810	8.4	11.7	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 (\$)
13 Payne Creek	0	1,459,249	506,707	(181,877)	0	1,784,079
14 Balm	0	1,657,044	482,635	(184,869)	0	1,954,810
15 Lithia	0	0	0	NA	0	0
16 Total	0	3,116,293	989,342	(366,746)	0	3,738,889

NA Not applicable

(1) Net Generation data represents a calendar month.

(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. Lithia cost not available at this time.