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April 22, 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 March 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 22<sup>nd</sup> day of April 2019 to the following:

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ATTORNEY

Tampa Electric Company  
SoBRA Projects  
March 2019

Hour	System Retail Demand	Average Hourly Net Output (kWh)					
	(MW)	Payne Creek In Service	Balm In Service	Lithia In Service	Grange Hall In Service	Peace Creek In Service	Bonnie Mine In Service
1	1,607	(187)	(201)	(205)	(110)	(154)	(98)
2	1,533	(185)	(202)	(204)	(109)	(153)	(98)
3	1,499	(186)	(202)	(205)	(111)	(154)	(99)
4	1,500	(185)	(203)	(205)	(111)	(154)	(98)
5	1,571	(186)	(203)	(205)	(110)	(154)	(99)
6	1,715	(187)	(202)	(204)	(121)	(154)	(98)
7	1,840	239	202	423	141	271	141
8	1,909	12,163	11,555	16,859	8,580	9,457	6,847
9	1,994	34,763	32,829	43,424	25,860	24,246	19,257
10	2,086	44,064	42,567	54,203	35,568	32,633	27,062
11	2,165	47,029	45,192	57,556	38,683	34,392	27,496
12	2,238	47,798	46,273	57,232	41,482	36,222	26,899
13	2,315	46,874	48,503	58,859	42,254	37,263	27,073
14	2,387	47,102	47,598	56,645	41,424	36,330	26,772
15	2,456	41,488	44,456	55,242	38,072	34,593	24,978
16	2,515	39,708	41,439	49,652	35,388	33,518	23,259
17	2,535	35,932	35,775	44,250	30,522	27,437	18,992
18	2,486	17,051	18,411	23,726	13,318	13,532	9,045
19	2,435	915	1,187	1,567	839	842	577
20	2,430	(332)	(358)	(391)	(151)	(176)	(58)
21	2,289	(253)	(283)	(212)	(113)	(168)	(98)
22	2,106	(183)	(200)	(203)	(113)	(154)	(97)
23	1,908	(187)	(200)	(203)	(112)	(154)	(97)
24	1,672	(186)	(200)	(204)	(112)	(154)	(97)

Tampa Electric Company  
SoBRA Projects  
March 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	12,806	24.5	0.9	1,427,168
2 Balm	74.4	12,836	23.2	0.9	
3 Lithia	74.5	16,043	28.9	1.1	
4 Grange Hall	61.0	10,873	24.0	0.8	
5 Peace Creek	55.0	9,886	24.2	0.7	
6 Bonnie Mine	37.5	7,359	26.4	0.5	
7 Lake Hancock	-	-	-	-	
8 Total	372.7	69,803	25.2	4.9	

	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)
9 Payne Creek	40,779	3.68	0	NA	3,084	(1,119.69)
10 Balm	40,875	3.68	0	NA	3,092	(1,119.69)
11 Lithia	112,876	3.68	0	NA	411	(1,119.69)
12 Grange Hall	76,501	3.68	0	NA	278	(1,119.69)
13 Peace Creek	69,556	3.68	0	NA	253	(1,119.69)
14 Bonnie Mine	51,777	3.68	0	NA	188	(1,119.69)
15 Lake Hancock	-	-	-	-	-	-
16 Total	392,363		0		7,306	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	6,147	1.4	1.3	0.004
18 Balm	6,161	1.4	1.3	0.004
19 Lithia	7,701	1.8	1.6	0.005
20 Grange Hall	5,219	1.2	1.1	0.003
21 Peace Creek	4,745	1.1	1.0	0.003
22 Bonnie Mine	3,532	0.8	0.7	0.002
23 Lake Hancock	-	-	-	-
24 Total	33,505	7.7	7.0	0.020

	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	11,140	601,207	259,824	(73,443)	0	798,728
26 Balm	12,849	696,140	256,616	(75,422)	0	890,183
27 Lithia	0	709,955	270,795	(78,545)	0	902,205
28 Grange Hall	0	544,061	235,992	(63,441)	0	716,612
29 Peace Creek	0	245,439	2,549	(55,583)	0	192,405
30 Bonnie Mine	0	353,198	141,895	(55,538)	0	439,555
31 Lake Hancock	0	58,976	16	0	0	58,992
32 Total	23,989	3,208,976	1,167,687	(401,972)	0	3,998,680

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 A3. Negative \$/ton due to prior period adjustment.

(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  
SoBRA Projects  
Year-to-Date March 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	210.9	29,857	6.6	0.7	4,225,808
2 Balm	223.2	31,425	6.5	0.7	
3 Lithia	223.5	37,290	7.7	0.9	
4 Grange Hall	183.0	20,211	5.1	0.5	
5 Peace Creek	165.0	10,692	3.0	0.3	
6 Bonnie Mine	112.5	12,223	5.0	0.3	
7 Lake Hancock	-	-	-	-	
8 Total	1,118.1	141,698	5.9	3.4	

	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)
9 Payne Creek	95,076	3.99	0	NA	7,191	79.37
10 Balm	100,069	3.99	0	NA	7,569	79.37
11 Lithia	262,366	3.99	0	NA	954	79.37
12 Grange Hall	142,201	3.99	0	NA	517	79.37
13 Peace Creek	75,227	3.99	0	NA	274	79.37
14 Bonnie Mine	85,999	3.99	0	NA	313	79.37
15 Lake Hancock	-	-	-	-	-	-
16 Total	760,938		0		16,818	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	14,331	3.3	3.0	0.009
18 Balm	15,084	3.5	3.1	0.009
19 Lithia	17,899	4.1	3.7	0.011
20 Grange Hall	9,701	2.2	2.0	0.006
21 Peace Creek	5,132	1.2	1.1	0.003
22 Bonnie Mine	5,867	1.3	1.2	0.004
23 Lake Hancock	-	-	-	-
24 Total	68,015	15.6	14.2	0.041

	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	33,940	1,795,334	775,902	(220,330)	0	2,384,846
26 Balm	39,734	2,084,394	766,328	(226,265)	0	2,664,191
27 Lithia	0	1,778,219	538,949	(196,363)	0	2,120,805
28 Grange Hall	541	1,332,651	468,548	(158,603)	0	1,643,137
29 Peace Creek	0	246,762	2,549	(83,374)	0	165,937
30 Bonnie Mine	960	562,524	145,000	(138,844)	0	569,640
31 Lake Hancock	0	88,366	16	0	0	88,382
32 Total	75,175	7,888,250	2,697,292	(1,023,779)	0	9,636,938

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 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.

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