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May 22, 2019

**VIA: ELECTRONIC FILING**

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

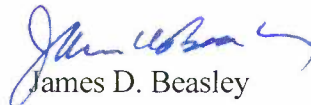
Re: Environmental Cost Recovery Clause;  
FPSC Docket No. 20190007-EI

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 April 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 May 2019 to the following:

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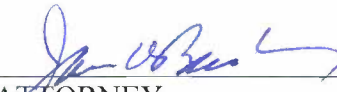
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ATTORNEY

Tampa Electric Company  
SoBRA Projects  
April 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 In Service	Bonnie Mine In Service
1	1,847	(179)	(212)	(198)	(70)	(103)	(100)
2	1,709	(178)	(212)	(197)	(70)	(104)	(101)
3	1,624	(178)	(212)	(196)	(71)	(104)	(100)
4	1,576	(178)	(214)	(196)	(70)	(103)	(100)
5	1,576	(178)	(213)	(195)	(70)	(104)	(100)
6	1,661	(177)	(212)	(194)	(72)	(103)	(100)
7	1,822	(177)	(208)	(195)	(109)	(113)	(95)
8	1,900	4,608	4,361	4,349	2,856	3,164	2,375
9	1,997	25,976	27,172	25,412	16,908	18,916	14,355
10	2,135	40,172	43,549	36,681	28,044	34,389	24,162
11	2,292	45,458	48,901	39,753	34,193	38,809	27,191
12	2,437	45,565	52,609	43,366	39,029	41,096	27,828
13	2,574	49,002	53,783	45,035	42,103	41,827	28,923
14	2,702	50,383	52,346	42,871	42,248	42,408	28,136
15	2,809	47,255	50,408	41,947	40,027	42,294	28,301
16	2,904	45,572	47,011	38,453	37,501	39,987	26,459
17	2,981	41,094	44,554	36,509	34,251	36,789	25,722
18	3,003	37,391	41,171	34,490	31,916	31,211	22,505
19	2,927	21,518	24,992	22,468	18,278	19,077	12,324
20	2,798	3,259	3,793	3,209	1,959	2,227	1,860
21	2,739	(349)	(401)	(286)	(70)	(129)	(98)
22	2,553	(171)	(216)	(191)	(66)	(100)	(100)
23	2,312	(172)	(211)	(190)	(66)	(100)	(100)
24	2,000	(180)	(211)	(191)	(66)	(99)	(100)

Tampa Electric Company  
SoBRA Projects  
April 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	14,130	27.9	0.9	1,529,962
2 Balm	74.4	15,276	28.5	1.0	
3 Lithia	74.5	12,797	23.9	0.8	
4 Grange Hall	61.0	11,423	26.0	0.7	
5 Peace Creek	55.0	12,122	30.6	0.8	
6 Bonnie Mine	37.5	8,345	30.9	0.5	
7 Lake Hancock	49.6	1,803	5.0	0.1	
8 Total	422.3	75,896	25.0	5.0	

	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 (\$/Ton)
9 Payne Creek	44,995	3.50	0	NA	3,403	84.79
10 Balm	48,645	3.50	0	NA	3,679	84.79
11 Lithia	90,037	3.50	0	NA	327	84.79
12 Grange Hall	80,370	3.50	0	NA	292	84.79
13 Peace Creek	85,288	3.50	0	NA	310	84.79
14 Bonnie Mine	58,714	3.50	0	NA	214	84.79
15 Lake Hancock	12,686	3.50	0	NA	46	84.79
16 Total	420,735		0		8,273	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	6,782	1.6	1.4	0.004
18 Balm	7,332	1.7	1.5	0.004
19 Lithia	6,143	1.4	1.3	0.004
20 Grange Hall	5,483	1.3	1.1	0.003
21 Peace Creek	5,819	1.3	1.2	0.004
22 Bonnie Mine	4,006	0.9	0.8	0.002
23 Lake Hancock	865	0.2	0.2	0.001
24 Total	36,430	8.3	7.6	0.022

	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	602,529	261,821	(73,443)	0	802,307
26 Balm	12,849	697,545	256,778	(75,422)	0	891,750
27 Lithia	0	708,585	267,267	(115,305)	0	860,547
28 Grange Hall	(541)	561,586	252,656	(58,565)	0	755,136
29 Peace Creek	0	497,244	176,691	937	0	674,872
30 Bonnie Mine	9,753	355,164	141,269	5,047	0	511,233
31 Lake Hancock	0	181,704	16	(25,319)	0	156,401
32 Total	33,461	3,604,357	1,356,498	(342,069)	0	4,652,247

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. Lithia and Grange Hall include adjustments to Jan-Mar 2019.

Peace Creek and Bonnie Mine include adjustments to Feb-Mar 2019.

Tampa Electric Company  
SoBRA Projects  
Year-to-Date April 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	281.2	43,987	5.4	0.8	5,755,770
2 Balm	297.6	46,701	5.4	0.8	
3 Lithia	298.0	50,087	5.8	0.9	
4 Grange Hall	244.0	31,634	4.5	0.5	
5 Peace Creek	220.0	22,814	3.6	0.4	
6 Bonnie Mine	150.0	20,568	4.8	0.4	
7 Lake Hancock	49.6	1,803	1.3	0.0	
8 Total	1,540.4	217,594	4.9	3.8	

	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	140,071	3.99	0	NA	10,595	79.37
10 Balm	148,714	3.99	0	NA	11,249	79.37
11 Lithia	352,403	3.99	0	NA	1,282	79.37
12 Grange Hall	222,571	3.99	0	NA	810	79.37
13 Peace Creek	160,515	3.99	0	NA	584	79.37
14 Bonnie Mine	144,713	3.99	0	NA	526	79.37
15 Lake Hancock	12,686	3.99	0	NA	46	79.37
16 Total	1,181,674		0		25,091	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	21,114	4.8	4.4	0.013
18 Balm	22,416	5.1	4.7	0.014
19 Lithia	24,042	5.5	5.0	0.015
20 Grange Hall	15,184	3.5	3.2	0.009
21 Peace Creek	10,951	2.5	2.3	0.007
22 Bonnie Mine	9,873	2.3	2.1	0.006
23 Lake Hancock	865	0.2	0.2	0.00
24 Total	104,445	23.9	21.8	0.063

	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	45,340	2,397,863	1,037,723	(293,773)	0	3,187,153
26 Balm	52,583	2,781,939	1,023,106	(301,687)	0	3,555,941
27 Lithia	0	2,486,804	806,216	(311,668)	0	2,981,352
28 Grange Hall	0	1,894,237	721,204	(217,168)	0	2,398,273
29 Peace Creek	0	744,006	179,240	(82,437)	0	840,809
30 Bonnie Mine	10,714	917,688	286,269	(133,797)	0	1,080,874
31 Lake Hancock	0	270,070	32	(25,319)	0	244,783
32 Total	108,636	11,492,607	4,053,790	(1,365,848)	0	14,289,185

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.