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March 5, 2019

**VIA: ELECTRONIC FILING**

Mr. Alan 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 January 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. This report was filed in Docket No. 20190001-EI, but will be filed in this docket on a going-forward basis.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
Attachment

cc: Michael Barrett (w/attachment)  
Suzanne Brownless (w/o attachment)  
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 5<sup>th</sup> day of March 2019 to the following:

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ATTORNEY

Tampa Electric Company  
SoBRA Projects  
January 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 Testing	Bonnie Mine In Service
1	1,781	(181)	(217)	(193)	(112)	(31)	(55)
2	1,720	(181)	(217)	(192)	(112)	(31)	(55)
3	1,694	(181)	(217)	(191)	(112)	(31)	(55)
4	1,696	(182)	(217)	(191)	(112)	(31)	(55)
5	1,748	(180)	(217)	(192)	(112)	(31)	(55)
6	1,901	(180)	(216)	(191)	(112)	(31)	(55)
7	2,123	(180)	(216)	(190)	(111)	(31)	(54)
8	2,230	1,093	1,250	1,753	101	(31)	(0)
9	2,263	14,061	18,197	20,688	2,239	(31)	304
10	2,263	26,435	34,944	34,613	4,204	(31)	646
11	2,249	29,723	40,579	39,232	5,442	(30)	1,086
12	2,224	32,600	43,091	41,696	6,952	(30)	1,603
13	2,200	34,045	43,315	41,295	8,165	(30)	2,436
14	2,181	33,993	42,590	39,959	8,513	(30)	2,858
15	2,164	32,943	40,902	39,148	8,496	(30)	3,028
16	2,159	31,983	37,512	34,946	7,157	(30)	3,239
17	2,175	21,589	24,486	25,573	4,955	(30)	1,645
18	2,228	3,312	3,753	4,410	895	(30)	328
19	2,373	(350)	(407)	(403)	(122)	(30)	(54)
20	2,373	(181)	(219)	(195)	(115)	(30)	(56)
21	2,309	(180)	(216)	(190)	(115)	(30)	(56)
22	2,193	(179)	(216)	(190)	(114)	(31)	(56)
23	2,045	(180)	(216)	(189)	(113)	(30)	(56)
24	1,898	(180)	(217)	(192)	(113)	(30)	(57)

Tampa Electric Company  
SoBRA Projects  
January 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	8,052	15.4	0.6	1,463,774
2 Balm	74.4	10,172	18.4	0.7	
3 Lithia	74.5	9,958	18.0	0.7	
4 Grange Hall	61.0	1,725	3.8	0.1	
5 Peace Creek	55.0	(27)	(0.1)	(0.0)	
6 Bonnie Mine	37.5	510	1.8	0.0	
7 Total	372.7	30,390	11.0	2.1	

	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)
8 Payne Creek	25,641	4.57	0	NA	1,939	72.08
9 Balm	32,392	4.57	0	NA	2,450	72.08
10 Lithia	31,710	4.57	0	NA	2,399	72.08
11 Grange Hall	5,493	4.57	0	NA	415	72.08
12 Peace Creek	(86)	4.57	0	NA	(7)	72.08
13 Bonnie Mine	1,624	4.57	0	NA	123	72.08
14 Total	96,773		0		7,320	

	CO <sub>2</sub> Reductions (Tons)	NO <sub>x</sub> Reductions (Tons)	SO <sub>2</sub> Reductions (Tons)	Hg Reductions (lb)
15 Payne Creek	4,787	1.4	2.0	0.01
16 Balm	6,047	1.8	2.5	0.01
17 Lithia	5,920	1.8	2.5	0.01
18 Grange Hall	1,026	0.3	0.4	0.00
19 Peace Creek	(16)	0.0	0.0	0.00
20 Bonnie Mine	303	0.1	0.1	0.00
21 Total	18,067	5.5	7.6	0.03

	O&M Cost (\$)	Carrying Cost <sup>(4)</sup> (\$)	Capital Cost <sup>(5)</sup> (\$)	Other Cost <sup>(6)</sup> (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
22 Payne Creek	11,400	595,800	258,294	(73,443)	0	792,051
23 Balm	14,036	693,127	254,682	(75,422)	0	886,424
24 Lithia	0	355,207	0	(39,273)	0	315,934
25 Grange Hall	541	262,181	0	(31,721)	0	231,002
26 Peace Creek	0	16,326	0	0	0	16,326
27 Bonnie Mine	960	0	0	(27,769)	0	(26,809)
28 Total	26,938	1,922,641	512,976	(247,627)	0	2,214,928

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  
SoBRA Projects  
Year-to-Date January 2019

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