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January 22, 2019

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. 20190001-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 December 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 22nd day of January 2019 to the following:

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ATTORNEY

Tampa Electric Company
SoBRA Projects
December 2018

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)					
		Payne Creek In Service	Balm In Service	Lithia Testing	Grange Hall Testing	Peace Creek Testing	Bonnie Mine Testing
1	1,760	(170)	(186)	(174)	(0)	(10)	0
2	1,676	(163)	(186)	(174)	(0)	(10)	0
3	1,631	(163)	(186)	(175)	(0)	(10)	0
4	1,619	(162)	(187)	(174)	(0)	(10)	0
5	1,651	(162)	(187)	(174)	(0)	(10)	0
6	1,768	(162)	(186)	(174)	(0)	(10)	0
7	1,944	(162)	(185)	(173)	(0)	(10)	0
8	2,040	1,834	1,710	1,515	(0)	(10)	0
9	2,108	13,509	17,123	15,059	0	(10)	0
10	2,163	21,835	29,361	25,483	9	(10)	0
11	2,200	25,550	28,439	27,834	44	(10)	0
12	2,213	27,660	29,378	27,476	152	(10)	0
13	2,222	28,339	31,101	28,159	286	(10)	0
14	2,224	27,109	31,134	28,631	353	(10)	0
15	2,223	27,183	31,275	29,180	505	(10)	0
16	2,228	23,298	27,422	24,974	422	(10)	0
17	2,241	11,777	12,960	12,593	303	(10)	0
18	2,313	468	705	824	46	(1,584)	0
19	2,419	(211)	(275)	(281)	(3)	(3,590)	0
20	2,374	(168)	(185)	(174)	(3)	(3,343)	0
21	2,303	(168)	(184)	(174)	(3)	(3,343)	0
22	2,194	(168)	(184)	(174)	(3)	(3,343)	0
23	2,049	(167)	(184)	(174)	(3)	(3,343)	0
24	1,897	(169)	(184)	(174)	(3)	(3,343)	0

Tampa Electric Company
SoBRA Projects
December 2018

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	6,407	12.2	0.4	1,455,938
2 Balm	74.4	7,387	13.3	0.5	
3 Lithia	74.5	6,815	12.3	0.5	
4 Grange Hall	61.0	61	0.1	0.0	
5 Peace Creek	55.0	(22)	(0.1)	(0.0)	
6 Bonnie Mine	37.5	(5)	(0.0)	(0.0)	
7 Total	372.7	20,643	7.4	1.4	

	Natural Gas Displaced (MCF)	Cost of NG ⁽²⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽²⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
8 Payne Creek	47,944	5.74	0	NA	0	NA
9 Balm	55,278	5.74	0	NA	0	NA
10 Lithia	50,997	5.74	0	NA	0	NA
11 Grange Hall	456	5.74	0	NA	0	NA
12 Peace Creek	(165)	5.74	0	NA	0	NA
13 Bonnie Mine	(37)	5.74	0	NA	0	NA
14 Total	154,473		0		0	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
15 Payne Creek	3,809	1.2	1.6	0.01
16 Balm	4,392	1.3	1.8	0.01
17 Lithia	4,052	1.2	1.7	0.01
18 Grange Hall	36	0.0	0.0	0.00
19 Peace Creek	(13)	0.0	0.0	0.00
20 Bonnie Mine	(3)	0.0	0.0	0.00
21 Total	12,272	3.7	5.2	0.02

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
22 Payne Creek	0	590,317	254,997	(75,174)	0	770,140
23 Balm	0	682,162	246,122	(79,107)	0	849,177
24 Lithia	1,498	0	0	0	0	1,498
25 Grange Hall	0	0	0	0	0	0
26 Peace Creek	0	0	0	0	0	0
27 Bonnie Mine	0	0	0	0	0	0
28 Total	1,498	1,272,479	501,119	(154,281)	0	1,620,815

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. Payne Creek and Balm include adjustments to Sept thru Nov 2018.

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

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	32,355	15.7	0.5	6,495,435
2 Balm	74.4	25,797	11.8	0.4	
3 Lithia	74.5	9,236	4.2	0.1	
4 Grange Hall	61.0	61	0.0	0.0	
5 Peace Creek	55.0	(22)	(0.0)	(0.0)	
6 Bonnie Mine	37.5	(5)	(0.0)	(0.0)	
7 Total	372.7	67,422	6.2	1.0	

	Natural Gas Displaced (MCF)	Cost of NG ⁽²⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽²⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
8 Payne Creek	242,115	4.16	0	NA	0	NA
9 Balm	193,041	4.16	0	NA	0	NA
10 Lithia	69,114	4.16	0	NA	0	NA
11 Grange Hall	456	4.16	0	NA	0	NA
12 Peace Creek	(165)	4.16	0	NA	0	NA
13 Bonnie Mine	(37)	4.16	0	NA	0	NA
14 Total	504,524		0		0	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
15 Payne Creek	19,235	5.8	8.1	0.04
16 Balm	15,336	4.6	6.4	0.03
17 Lithia	5,491	1.7	2.3	0.01
18 Grange Hall	36	0.0	0.0	0.00
19 Peace Creek	(13)	0.0	0.0	0.00
20 Bonnie Mine	(3)	0.0	0.0	0.00
21 Total	40,082	12.1	16.9	0.07

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
22 Payne Creek	0	2,049,566	761,704	(257,051)	0	2,554,219
23 Balm	0	2,339,206	728,757	(263,976)	0	2,803,987
24 Lithia	1,498	0	0	0	0	1,498
25 Grange Hall	0	0	0	0	0	0
26 Peace Creek	0	0	0	0	0	0
27 Bonnie Mine	0	0	0	0	0	0
28 Total	1,498	4,388,772	1,490,461	(521,027)	0	5,359,704

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. Payne Creek and Balm include adjustments to Sept thru Nov 2018.