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February 25, 2020

VIA: ELECTRONIC FILING

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

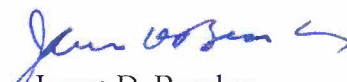
Re: Environmental Cost Recovery Clause;
FPSC Docket No. 20200007-EI

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 2020, 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/bmp
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 25th day of February 2020 to the following:

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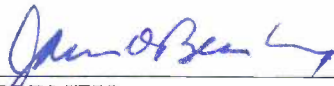
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ATTORNEY

**Tampa Electric Company
SoBRA Projects
January 2020**

Hour	System Retail Demand (MW)	Average Hourly Net Output (kWh)								Wimauma Testing	Little Manatee River Testing
		Payne Creek In Service	Balm In Service	Lithia In Service	Grange Hall In Service	Peace Creek In Service	Bonnie Mine In Service	Lake Hancock In Service			
1	1,758	(195)	(217)	(222)	(182)	(171)	(110)	(153)	(41)	(30)	
2	1,681	(195)	(218)	(222)	(182)	(172)	(110)	(153)	(42)	(30)	
3	1,642	(195)	(218)	(222)	(182)	(172)	(110)	(153)	(42)	(30)	
4	1,636	(195)	(218)	(221)	(182)	(172)	(110)	(153)	(42)	(30)	
5	1,674	(196)	(218)	(221)	(182)	(172)	(110)	(153)	(42)	(30)	
6	1,803	(195)	(216)	(219)	(182)	(170)	(110)	(152)	(41)	(30)	
7	1,999	(195)	(215)	(218)	(182)	(169)	(111)	(148)	(41)	(30)	
8	2,108	1,546	1,266	1,322	981	860	472	902	(40)	10	
9	2,165	19,766	19,655	21,046	14,300	11,792	8,021	11,630	(40)	497	
10	2,212	38,734	39,944	39,826	30,803	25,345	17,298	23,667	(41)	1,119	
11	2,244	42,482	44,498	44,366	35,452	29,476	19,500	27,074	(40)	1,178	
12	2,252	42,915	43,543	43,682	34,793	29,848	20,080	27,103	(40)	1,445	
13	2,260	40,944	43,137	43,144	34,372	28,807	19,309	26,054	(40)	1,911	
14	2,270	39,538	42,129	42,570	34,516	27,562	18,984	25,492	(41)	1,961	
15	2,282	37,720	39,789	41,065	30,749	24,501	18,001	23,290	(41)	1,868	
16	2,297	35,058	37,090	37,793	28,772	21,926	16,048	21,157	(41)	1,895	
17	2,308	22,252	23,592	25,754	17,809	13,100	9,949	13,573	(42)	1,316	
18	2,341	3,785	4,206	4,376	2,799	2,101	1,571	2,063	(41)	439	
19	2,446	(238)	(259)	(250)	(192)	(202)	(108)	(181)	(41)	(39)	
20	2,418	(194)	(216)	(221)	(181)	(169)	(110)	(153)	(41)	(34)	
21	2,329	(194)	(217)	(220)	(182)	(170)	(110)	(153)	(41)	(34)	
22	2,195	(195)	(216)	(221)	(182)	(171)	(110)	(153)	(41)	(34)	
23	2,033	(195)	(215)	(221)	(181)	(169)	(110)	(153)	(40)	(33)	
24	1,877	(196)	(216)	(221)	(182)	(170)	(110)	(153)	(41)	(33)	

1

Tampa Electric Company
SoBRA Projects
January 2020

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	9,987	19.1	0.7	1,485,848
2 Balm	74.4	10,416	18.8	0.7	
3 Lithia	74.5	10,603	19.1	0.7	
4 Grange Hall	61.1	8,151	17.9	0.5	
5 Peace Creek	55.4	6,605	16.0	0.4	
6 Bonnie Mine	37.5	4,583	16.4	0.3	
7 Lake Hancock	49.5	6,200	16.8	0.4	
8 Wimauma	74.8	(11)	-	-	
9 Little Manatee River	74.5	409	-	-	
10 Total	572.0	56,943	18.1	3.8	

	Natural Gas Displaced (MCF)	Cost of NG ⁽³⁾ (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil ⁽³⁾ (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal ⁽³⁾ (\$/Ton)
11 Payne Creek	0	3.03	0	NA	4,379	72.60
12 Balm	0	3.03	0	NA	4,568	72.60
13 Lithia	68,287	3.03	0	NA	626	72.60
14 Grange Hall	52,495	3.03	0	NA	482	72.60
15 Peace Creek	42,538	3.03	0	NA	390	72.60
16 Bonnie Mine	29,516	3.03	0	NA	271	72.60
17 Lake Hancock	39,930	3.03	0	NA	366	72.60
18 Wimauma	-	-	-	-	-	-
19 Little Manatee River	-	-	-	-	-	-
20 Total	232,767		0		11,082	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
21 Payne Creek	4,794	1.1	1.0	0.003
22 Balm	5,000	1.1	1.0	0.003
23 Lithia	5,089	1.2	1.1	0.003
24 Grange Hall	3,912	0.9	0.8	0.002
25 Peace Creek	3,170	0.7	0.7	0.002
26 Bonnie Mine	2,200	0.5	0.5	0.001
27 Lake Hancock	2,976	0.7	0.6	0.002
28 Wimauma	-	-	-	-
29 Little Manatee River	-	-	-	-
30 Total	27,142	6.2	5.7	0.016

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
31 Payne Creek	60,710	598,319	268,130	(73,443)	0	853,716
32 Balm	74,940	697,183	253,778	(75,422)	0	950,480
33 Lithia	80,579	706,431	262,637	(71,075)	0	978,571
34 Grange Hall	49,257	558,906	261,658	(58,136)	0	811,685
35 Peace Creek	26,053	515,193	188,258	(50,959)	0	678,545
36 Bonnie Mine	64,697	356,718	141,883	(38,352)	0	524,946
37 Lake Hancock	33,885	467,995	176,006	(46,649)	0	631,238
38 Wimauma	-	1,595	489	-	0	2,084
39 Little Manatee River	62,419	11,696	0	-	0	74,115
40 Total	452,541	3,914,036	1,552,839	(414,035)	0	5,505,381

NA Not applicable

(1) Net Generation data represents a calendar month. Negative generation represents station service.

(2) Total System Net Generation 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.

Tampa Electric Company
SoBRA Projects
Year-to-Date January 2020

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	9,987	19.1	0.7	1,485,848
2 Balm	74.4	10,416	18.8	0.7	
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4 Grange Hall	61.1	8,151	17.9	0.5	
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