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September 20, 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 August 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 20th day of September 2019 to the following:

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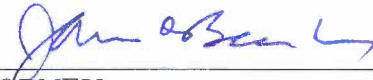
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ATTORNEY

Tampa Electric Company
SoBRA Projects
August 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	Lake Hancock In Service
1	2,432	(162)	(210)	(201)	(168)	(158)	(99)	(134)
2	2,284	(162)	(209)	(201)	(168)	(156)	(98)	(135)
3	2,180	(162)	(208)	(201)	(168)	(156)	(98)	(135)
4	2,115	(164)	(209)	(202)	(169)	(157)	(98)	(135)
5	2,103	(165)	(210)	(201)	(169)	(158)	(98)	(136)
6	2,177	(164)	(212)	(201)	(172)	(158)	(97)	(138)
7	2,301	(164)	(211)	(201)	(172)	(160)	(91)	(137)
8	2,357	3,680	4,061	1,521	2,788	3,327	1,858	2,998
9	2,508	18,833	24,347	22,904	16,557	16,343	10,595	15,029
10	2,754	29,110	38,085	33,364	25,971	25,752	16,738	23,136
11	3,005	30,306	39,476	34,846	27,761	27,692	17,805	23,804
12	3,223	31,343	38,253	34,389	31,023	31,315	19,245	25,903
13	3,419	30,873	41,215	32,274	29,743	30,729	19,321	26,453
14	3,552	29,185	40,080	31,964	29,574	28,900	17,363	24,552
15	3,622	27,152	34,633	27,655	26,894	25,178	16,544	22,092
16	3,649	24,453	31,195	26,331	24,381	21,400	14,519	18,573
17	3,645	21,928	28,291	22,030	20,968	18,822	12,938	16,227
18	3,616	16,175	22,257	18,432	16,885	11,329	9,087	10,932
19	3,520	8,851	13,745	12,390	9,521	6,932	4,804	6,214
20	3,382	1,516	2,569	2,124	2,096	1,460	1,045	1,242
21	3,298	(251)	(354)	(317)	(185)	(185)	(83)	(152)
22	3,131	(154)	(206)	(202)	(167)	(159)	(98)	(134)
23	2,890	(157)	(204)	(202)	(164)	(158)	(98)	(135)
24	2,644	(159)	(206)	(202)	(167)	(158)	(98)	(135)

Tampa Electric Company
SoBRA Projects
August 2019

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	8,432	16.1	0.5	1,865,684
2 Balm	74.4	11,064	20.0	0.6	
3 Lithia	74.5	9,262	16.7	0.5	
4 Grange Hall	61.1	8,114	17.8	0.4	
5 Peace Creek	55.4	7,663	18.6	0.4	
6 Bonnie Mine	37.5	4,986	17.9	0.3	
7 Lake Hancock	49.5	6,692	18.2	0.4	
8 Total	422.7	56,213	17.9	3.0	

	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)
9 Payne Creek	26,851	3.09	0	NA	2,031	78.75
10 Balm	35,232	3.09	0	NA	2,665	78.75
11 Lithia	65,166	3.09	0	NA	237	78.75
12 Grange Hall	57,089	3.09	0	NA	208	78.75
13 Peace Creek	53,916	3.09	0	NA	196	78.75
14 Bonnie Mine	35,081	3.09	0	NA	128	78.75
15 Lake Hancock	47,084	3.09	0	NA	171	78.75
16 Total	320,417		0		5,635	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	4,047	0.9	0.8	0.002
18 Balm	5,311	1.2	1.1	0.003
19 Lithia	4,446	1.0	0.9	0.003
20 Grange Hall	3,895	0.9	0.8	0.002
21 Peace Creek	3,678	0.8	0.8	0.002
22 Bonnie Mine	2,393	0.5	0.5	0.001
23 Lake Hancock	3,212	0.7	0.7	0.002
24 Total	26,982	6.2	5.6	0.016

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	12,445	606,109	261,326	(73,443)	0	806,437
26 Balm	13,870	704,112	258,404	(75,422)	0	900,964
27 Lithia	28,834	715,778	265,582	(77,917)	0	932,277
28 Grange Hall	(50,760)	567,411	226,914	(54,292)	0	689,273
29 Peace Creek	1,101	510,003	186,814	(54,958)	0	642,960
30 Bonnie Mine	10,153	360,508	143,924	(42,411)	0	472,174
31 Lake Hancock	(58,453)	398,352	114,050	(50,637)	0	403,311
32 Total	(42,810)	3,862,273	1,457,014	(429,081)	0	4,847,396

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 August 2019

	Net Capability (MW)	Net Generation ⁽¹⁾ (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation ⁽²⁾ (MWh)
1 Payne Creek	70.3	83,194	20.3	0.6	13,130,128
2 Balm	74.4	93,881	21.6	0.7	
3 Lithia	74.5	80,620	18.6	0.6	
4 Grange Hall	61.1	70,570	19.9	0.5	
5 Peace Creek	55.4	58,330	23.8	0.4	
6 Bonnie Mine	37.5	48,915	24.6	0.4	
7 Lake Hancock	49.5	35,576	23.2	0.3	
8 Total	422.7	471,086	21.1	3.6	

	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)
9 Payne Creek	264,921	3.56	0	NA	20,038	78.58
10 Balm	298,953	3.56	0	NA	22,612	78.58
11 Lithia	567,228	3.56	0	NA	2,063	78.58
12 Grange Hall	496,518	3.56	0	NA	1,806	78.58
13 Peace Creek	410,400	3.56	0	NA	1,493	78.58
14 Bonnie Mine	344,157	3.56	0	NA	1,252	78.58
15 Lake Hancock	250,307	3.56	0	NA	910	78.58
16 Total	2,632,484		0		50,175	

	CO ₂ Reductions (Tons)	NO _x Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lb)
17 Payne Creek	39,933	9.2	8.3	0.024
18 Balm	45,063	10.3	9.4	0.027
19 Lithia	38,698	8.9	8.1	0.023
20 Grange Hall	33,874	7.8	7.1	0.020
21 Peace Creek	27,998	6.4	5.8	0.017
22 Bonnie Mine	23,479	5.4	4.9	0.014
23 Lake Hancock	17,076	3.9	3.6	0.010
24 Total	226,121	51.8	47.1	0.137

	O&M Cost (\$)	Carrying Cost ⁽⁴⁾ (\$)	Capital Cost ⁽⁵⁾ (\$)	Other Cost ⁽⁶⁾ (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
25 Payne Creek	95,169	4,813,999	2,082,178	(587,545)	0	6,403,801
26 Balm	107,251	5,589,008	2,055,506	(603,374)	0	7,148,391
27 Lithia	193,965	5,343,069	1,874,245	(623,336)	0	6,787,943
28 Grange Hall	33,177	4,157,119	1,654,100	(434,335)	0	5,410,060
29 Peace Creek	13,981	2,778,140	925,119	(302,271)	0	3,414,970
30 Bonnie Mine	84,306	2,366,512	865,332	(303,441)	0	3,012,709
31 Lake Hancock	17,008	1,620,629	442,806	(227,868)	0	1,852,575
32 Total	544,857	26,668,476	9,899,286	(3,082,170)	0	34,030,449

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.