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April 26, 2021

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. 20210007-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 March 2021, 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 26th day of April, 2021 to the following:

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ATTORNEY

**Tampa Electric Company
SoBRA Projects
March 2021**

| Hour | System Retail Demand | Average Hourly Net Output (kWh) | | | | | | | | | |
|------|----------------------|---------------------------------|------------|------------|-------------|-------------|-------------|--------------|------------|----------------------|----------|
| | (MW) | Payne Creek | Balm | Lithia | Grange Hall | Peace Creek | Bonnie Mine | Lake Hancock | Wimauma | Little Manatee River | Durrance |
| | In Service | In Service | In Service | In Service | In Service | In Service | In Service | In Service | In Service | In Service | |
| 1 | 1,716 | (88) | (217) | (218) | (178) | (168) | (98) | (160) | (142) | (222) | (112) |
| 2 | 1,626 | (91) | (218) | (220) | (179) | (169) | (98) | (160) | (144) | (223) | (112) |
| 3 | 1,578 | (88) | (219) | (219) | (179) | (169) | (98) | (160) | (143) | (223) | (113) |
| 4 | 1,565 | (89) | (219) | (219) | (179) | (170) | (99) | (160) | (143) | (223) | (113) |
| 5 | 1,615 | (89) | (219) | (219) | (179) | (169) | (99) | (160) | (142) | (222) | (112) |
| 6 | 1,731 | (88) | (218) | (219) | (178) | (169) | (98) | (159) | (142) | (222) | (111) |
| 7 | 1,862 | (88) | (198) | (193) | (168) | (151) | (81) | (138) | (95) | (211) | (98) |
| 8 | 1,965 | 163 | 4,815 | 4,845 | 3,212 | 3,032 | 2,060 | 3,335 | 5,248 | 4,143 | 1,709 |
| 9 | 2,079 | 4,995 | 23,862 | 23,491 | 18,823 | 15,501 | 10,781 | 15,499 | 26,274 | 24,056 | 11,112 |
| 10 | 2,192 | 13,242 | 40,768 | 39,405 | 32,268 | 27,486 | 19,256 | 26,066 | 44,498 | 39,509 | 22,633 |
| 11 | 2,300 | 17,656 | 50,322 | 47,611 | 40,477 | 34,295 | 23,495 | 31,240 | 52,144 | 46,003 | 30,990 |
| 12 | 2,405 | 19,197 | 54,040 | 50,363 | 42,942 | 39,097 | 24,895 | 34,028 | 55,488 | 50,208 | 34,100 |
| 13 | 2,506 | 22,507 | 55,195 | 53,475 | 45,265 | 41,164 | 26,487 | 35,521 | 58,373 | 52,257 | 36,986 |
| 14 | 2,594 | 24,124 | 55,125 | 52,940 | 45,711 | 41,480 | 26,340 | 35,397 | 58,398 | 53,057 | 37,179 |
| 15 | 2,672 | 22,410 | 51,747 | 50,520 | 43,910 | 40,209 | 25,292 | 35,418 | 56,517 | 51,532 | 36,116 |
| 16 | 2,730 | 22,977 | 51,877 | 49,430 | 43,016 | 38,023 | 24,463 | 33,419 | 56,382 | 51,205 | 33,320 |
| 17 | 2,751 | 20,264 | 45,715 | 43,167 | 36,976 | 34,074 | 22,123 | 29,980 | 51,090 | 46,181 | 29,569 |
| 18 | 2,699 | 15,511 | 31,277 | 31,903 | 24,120 | 23,373 | 14,081 | 20,133 | 33,281 | 31,981 | 19,854 |
| 19 | 2,625 | 7,247 | 11,385 | 12,280 | 8,242 | 6,541 | 4,655 | 6,167 | 12,189 | 10,665 | 7,598 |
| 20 | 2,582 | 454 | 594 | 655 | 337 | 218 | 269 | 200 | 1,004 | 579 | 620 |
| 21 | 2,424 | (124) | (263) | (265) | (212) | (204) | (99) | (185) | (140) | (255) | (112) |
| 22 | 2,232 | (95) | (218) | (218) | (179) | (168) | (98) | (160) | (140) | (221) | (111) |
| 23 | 2,031 | (94) | (217) | (216) | (177) | (165) | (97) | (160) | (137) | (220) | (110) |
| 24 | 1,783 | (94) | (216) | (217) | (178) | (165) | (96) | (160) | (137) | (221) | (111) |

**Tampa Electric Company
SoBRA Projects
March 2021**

| | Net Capability (MW) | Net Generation ⁽¹⁾ (MWh) | Capacity Factor (%) | Percent of Total Generation (%) | Total System Net Generation ⁽²⁾ (MWh) |
|------------------------|------------------------|--|------------------------|---------------------------------------|--|
| 1 Payne Creek | 70.1 | 5,883 | 11.3 | 0.4 | 1,474,825 |
| 2 Balm | 74.2 | 14,705 | 26.7 | 1.0 | |
| 3 Lithia | 74.3 | 14,189 | 25.7 | 1.0 | |
| 4 Grange Hall | 60.8 | 11,883 | 26.3 | 0.8 | |
| 5 Peace Creek | 54.8 | 10,626 | 26.1 | 0.7 | |
| 6 Bonnie Mine | 37.4 | 6,919 | 24.9 | 0.5 | |
| 7 Lake Hancock | 49.4 | 9,440 | 25.7 | 0.6 | |
| 8 Wimauma | 74.7 | 15,790 | 28.4 | 1.1 | |
| 9 Little Manatee River | 74.3 | 14,229 | 25.8 | 1.0 | |
| 10 Durrance | 59.8 | 9,339 | 21.0 | 0.6 | |
| 11 Total | 629.8 | 113,003 | 24.1 | 7.7 | |

| | 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) |
|-------------------------|-----------------------------------|---------------------------------------|-------------------------|--|--------------------------|---|
| 12 Payne Creek | 19,318 | 3.75 | 0 | NA | 1,404 | 81.43 |
| 13 Balm | 48,286 | 3.75 | 0 | NA | 3,508 | 81.43 |
| 14 Lithia | 76,568 | 3.75 | 0 | NA | 1,610 | 81.43 |
| 15 Grange Hall | 64,124 | 3.75 | 0 | NA | 1,349 | 81.43 |
| 16 Peace Creek | 57,341 | 3.75 | 0 | NA | 1,206 | 81.43 |
| 17 Bonnie Mine | 37,337 | 3.75 | 0 | NA | 785 | 81.43 |
| 18 Lake Hancock | 50,941 | 3.75 | 0 | NA | 1,071 | 81.43 |
| 19 Wimauma | 106,114 | 3.75 | 0 | NA | 751 | 81.43 |
| 20 Little Manatee River | 95,623 | 3.75 | 0 | NA | 677 | 81.43 |
| 21 Durrance | 66,314 | 3.75 | 0 | NA | 284 | 81.43 |
| 22 Total | 621,966 | | 0 | | 12,645 | |

| | CO ₂ Reductions (Tons) | NO _x Reductions (Tons) | SO ₂ Reductions (Tons) | Hg Reductions (lb) |
|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------|
| 23 Payne Creek | 2,677 | 0.5 | 0.4 | 0.001 |
| 24 Balm | 6,691 | 1.3 | 0.9 | 0.003 |
| 25 Lithia | 6,456 | 1.3 | 0.9 | 0.002 |
| 26 Grange Hall | 5,407 | 1.1 | 0.7 | 0.002 |
| 27 Peace Creek | 4,835 | 1.0 | 0.6 | 0.002 |
| 28 Bonnie Mine | 3,148 | 0.6 | 0.4 | 0.001 |
| 29 Lake Hancock | 4,295 | 0.8 | 0.6 | 0.002 |
| 30 Wimauma | 7,184 | 1.4 | 0.9 | 0.003 |
| 31 Little Manatee River | 6,474 | 1.3 | 0.9 | 0.003 |
| 32 Durrance | 4,249 | 0.8 | 0.6 | 0.002 |
| 33 Total | 51,416 | 10.2 | 6.8 | 0.020 |

| | O&M Cost (\$) | Carrying Cost ⁽⁴⁾ (\$) | Capital Cost ⁽⁵⁾ (\$) | Other Cost ⁽⁶⁾ (\$) | Fuel Cost (\$) | Total Cost of Generation (\$) |
|-------------------------|------------------|--------------------------------------|-------------------------------------|-----------------------------------|-------------------|-------------------------------------|
| 34 Payne Creek | 33,198 | 573,798 | 258,131 | (73,443) | 0 | 791,684 |
| 35 Balm | 30,504 | 674,751 | 255,696 | (75,422) | 0 | 885,530 |
| 36 Lithia | 52,254 | 683,879 | 262,665 | (71,155) | 0 | 927,642 |
| 37 Grange Hall | 24,986 | 539,819 | 219,176 | (58,232) | 0 | 725,748 |
| 38 Peace Creek | 24,303 | 509,635 | 192,763 | (51,400) | 0 | 675,301 |
| 39 Bonnie Mine | 25,743 | 345,873 | 142,270 | (38,654) | 0 | 475,232 |
| 40 Lake Hancock | 53,556 | 453,206 | 176,506 | (46,710) | 0 | 636,558 |
| 41 Wimauma | 35,041 | 458,452 | 156,579 | (75,766) | 0 | 574,306 |
| 42 Little Manatee River | 132,405 | 68,171 | 27,118 | (85,115) | 0 | 142,580 |
| 43 Durrance | 109 | 601,259 | 230,638 | (110,130) | 0 | 721,875 |
| 44 Total | 412,099 | 4,908,843 | 1,921,542 | (686,029) | 0 | 6,556,455 |

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 March 2021**

| | Net Capability (MW) | Net Generation ⁽¹⁾ (MWh) | Capacity Factor (%) | Percent of Total Generation (%) | Total System Net Generation ⁽²⁾ (MWh) |
|------------------------|------------------------|--|------------------------|---------------------------------------|--|
| 1 Payne Creek | 70.1 | 23,567 | 15.6 | 0.6 | 4,099,672 |
| 2 Balm | 74.2 | 34,458 | 21.5 | 0.8 | |
| 3 Lithia | 74.3 | 33,273 | 20.7 | 0.8 | |
| 4 Grange Hall | 60.8 | 27,878 | 21.2 | 0.7 | |
| 5 Peace Creek | 54.8 | 25,164 | 21.3 | 0.6 | |
| 6 Bonnie Mine | 37.4 | 16,171 | 20.0 | 0.4 | |
| 7 Lake Hancock | 49.4 | 22,346 | 21.0 | 0.5 | |
| 8 Wimauma | 74.7 | 35,970 | 22.3 | 0.9 | |
| 9 Little Manatee River | 74.3 | 34,173 | 21.3 | 0.8 | |
| 10 Durrance | 59.8 | 23,408 | 18.1 | 0.6 | |
| 11 Total | 629.8 | 276,408 | 20.3 | 6.7 | |

| | 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) |
|-------------------------|-----------------------------------|---------------------------------------|-------------------------|--|--------------------------|---|
| 12 Payne Creek | 77,386 | 3.74 | 0 | NA | 5,622 | 79.71 |
| 13 Balm | 113,149 | 3.74 | 0 | NA | 8,221 | 79.71 |
| 14 Lithia | 179,551 | 3.74 | 0 | NA | 3,776 | 79.71 |
| 15 Grange Hall | 150,438 | 3.74 | 0 | NA | 3,164 | 79.71 |
| 16 Peace Creek | 135,792 | 3.74 | 0 | NA | 2,856 | 79.71 |
| 17 Bonnie Mine | 87,263 | 3.74 | 0 | NA | 1,835 | 79.71 |
| 18 Lake Hancock | 120,586 | 3.74 | 0 | NA | 2,536 | 79.71 |
| 19 Wimauma | 241,730 | 3.74 | 0 | NA | 1,710 | 79.71 |
| 20 Little Manatee River | 229,653 | 3.74 | 0 | NA | 1,625 | 79.71 |
| 21 Durrance | 166,215 | 3.74 | 0 | NA | 712 | 79.71 |
| 22 Total | 1,501,763 | | 0 | | 32,058 | |

| | CO ₂ Reductions (Tons) | NO _x Reductions (Tons) | SO ₂ Reductions (Tons) | Hg Reductions (lb) |
|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------|
| 23 Payne Creek | 10,723 | 2.1 | 1.4 | 0.004 |
| 24 Balm | 15,678 | 3.1 | 2.1 | 0.006 |
| 25 Lithia | 15,139 | 3.0 | 2.0 | 0.006 |
| 26 Grange Hall | 12,684 | 2.5 | 1.7 | 0.005 |
| 27 Peace Creek | 11,450 | 2.3 | 1.5 | 0.004 |
| 28 Bonnie Mine | 7,358 | 1.5 | 1.0 | 0.003 |
| 29 Lake Hancock | 10,167 | 2.0 | 1.3 | 0.004 |
| 30 Wimauma | 16,366 | 3.2 | 2.2 | 0.006 |
| 31 Little Manatee River | 15,549 | 3.1 | 2.1 | 0.006 |
| 32 Durrance | 10,651 | 2.1 | 1.4 | 0.004 |
| 33 Total | 125,766 | 24.9 | 16.6 | 0.049 |

| | O&M Cost (\$) | Carrying Cost ⁽⁴⁾ (\$) | Capital Cost ⁽⁵⁾ (\$) | Other Cost ⁽⁶⁾ (\$) | Fuel Cost (\$) | Total Cost of Generation (\$) |
|-------------------------|------------------|--------------------------------------|-------------------------------------|-----------------------------------|-------------------|-------------------------------------|
| 34 Payne Creek | 124,753 | 1,725,778 | 774,393 | (220,330) | 0 | 2,404,594 |
| 35 Balm | 126,340 | 2,028,476 | 767,088 | (226,265) | 0 | 2,695,639 |
| 36 Lithia | 156,323 | 2,055,982 | 787,995 | (213,466) | 0 | 2,786,834 |
| 37 Grange Hall | 102,230 | 1,623,118 | 657,528 | (174,697) | 0 | 2,208,179 |
| 38 Peace Creek | 97,329 | 1,532,089 | 578,289 | (154,200) | 0 | 2,053,506 |
| 39 Bonnie Mine | 79,561 | 1,040,002 | 426,810 | (115,963) | 0 | 1,430,410 |
| 40 Lake Hancock | 143,353 | 1,362,545 | 529,518 | (140,131) | 0 | 1,895,285 |
| 41 Wimauma | 126,681 | 1,377,824 | 469,683 | (227,298) | 0 | 1,746,889 |
| 42 Little Manatee River | 334,174 | 204,931 | 81,330 | (255,344) | 0 | 365,091 |
| 43 Durrance | 8,433 | 1,520,957 | 472,969 | (220,261) | 0 | 1,782,098 |
| 44 Total | 1,299,176 | 14,471,702 | 5,545,603 | (1,947,955) | 0 | 19,368,526 |

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.