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August 27, 2018

**VIA: ELECTRONIC FILING**

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

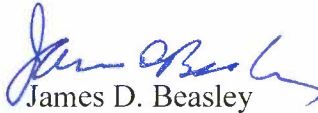
Re: Tampa Electric Company's 2018 Ten-Year Site Plan

Dear Ms. Stauffer:

At Staff's request we attach revised TYSP Schedule 8.1, in both in legislative and redlined version, for substitution in place of Schedule 8.1 contained in our April 2, 2018 initial filing.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
Attachment

## Schedule 8.1 (REVISED)

## Planned and Prospective Generating Facility Additions and Changes

| (1)<br>Plant<br>Name  | (2)<br>Unit<br>No. | (3)<br>Location | (4)<br>Unit<br>Type | (5) Fuel       |                  | (6) Fuel Trans. |                  | (9)<br>Const.<br>Start<br>Mo/Yr | (10)<br>Commercial<br>In-Service<br>Mo/Yr | (11)<br>Expected<br>Retirement<br>Mo/Yr | (12)<br>Gen. Max.<br>Nameplate<br>kW | (13) Net Capability |              | (15)<br>Status |
|-----------------------|--------------------|-----------------|---------------------|----------------|------------------|-----------------|------------------|---------------------------------|---|---|--------------------------------------|---------------------|--------------|----------------|
|                       |                    |                 |                     | (5)<br>Primary | (6)<br>Alternate | (7)<br>Primary  | (8)<br>Alternate |                                 |   |   |                                      | Summer<br>MW        | Winter<br>MW |                |
|                       |                    |                 |                     |                |                  |                 |                  |                                 |   |   |                                      |                     |              |                |
| Balm Solar**          | 1                  | Hillsborough    | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 09/18                                     | *                                       | 74,400                               | 74.4                | 74.4         | P              |
| Payne Creek Solar**   | 1                  | Polk County     | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 09/18                                     | *                                       | 70,300                               | 70.3                | 70.3         | P              |
| Lithia Solar**        | 1                  | Hillsborough    | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/19                                      | *                                       | 74,500                               | 74.5                | 74.5         | P              |
| Grange Hall Solar**   | 1                  | Hillsborough    | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/19                                      | *                                       | 61,000                               | 61.1                | 61.1         | P              |
| Peace Creek Solar**   | 1                  | Polk County     | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/19                                      | *                                       | 57,000                               | 56.6                | 56.6         | P              |
| Bonnie Mine Solar**   | 1                  | Polk County     | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/19                                      | *                                       | 34,000                               | 34.5                | 34.5         | P              |
| Mountain View Solar** | 1                  | Pasco County    | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/19                                      | *                                       | 55,000                               | 55.1                | 55.1         | P              |
| Wimauma Solar**       | 1                  | Hillsborough    | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/20                                      | *                                       | 74,500                               | 74.5                | 74.5         | P              |
| Alafia Solar**        | 1                  | Polk County     | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/20                                      | *                                       | 50,000                               | 50.3                | 50.3         | P              |
| Lake Hancock Solar**  | 1                  | Polk County     | PV                  | SOLAR          | NA               | NA              | NA               | -                               | 1/21                                      | *                                       | 50,000                               | 49.6                | 49.6         | P              |
| Big Bend              | 2                  | Big Bend        | ST                  | BIT            | NG               | WA/RR           | PL               | -                               | 04/73                                     | 06/21                                   | 445,500                              | (385)               | (395)        | RT             |
| Big Bend CT 5***      | 5M                 | Big Bend        | GT                  | NG             | NA               | PL              | NA               | 08/19                           | 06/21                                     | *                                       | *                                    | 360                 | 392          | P              |
| Big Bend CT 6***      | 6M                 | Big Bend        | GT                  | NG             | NA               | PL              | NA               | 08/19                           | 06/21                                     | *                                       | *                                    | 360                 | 392          | P              |
| Big Bend ST 1         | 1M                 | Big Bend        | ST                  | NG             | NA               | PL              | NA               | 06/20                           | 01/23                                     | *                                       | *                                    | 335                 | 335          | P              |
| Future CT 1           | 1                  | *               | GT                  | NG             | NA               | PL              | NA               | 01/20                           | 01/23                                     | *                                       | *                                    | 229                 | 245          | P              |
| Future CT 2           | 2                  | *               | GT                  | NG             | NA               | PL              | NA               | 01/23                           | 01/26                                     | *                                       | *                                    | 229                 | 245          | P              |

**Notes:**

- \* Undetermined
- \*\* Solar MW values reflect seasonal capacity values, not available capacity at time of peak.
- \*\*\* Net capability will be restricted to 330 MW summer / 350 MW winter until being placed into combined cycle mode in 2023.

Tampa Electric Company continually analyzes renewable energy and distributed generation alternatives with the objective to integrate them into its resource portfolio.

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Planned and Prospective Generating Facility Additions and Changes

| (1)<br>Plant<br>Name  | (2)<br>Unit<br>No. | (3)<br>Location | (4)<br>Unit<br>Type | (5) (6)<br>Fuel |           | (7) (8)<br>Fuel Trans. |           | (9)<br>Const.<br>Start<br>Mo/Yr | (10)<br>Commercial<br>In-Service<br>Mo/Yr | (11)<br>Expected<br>Retirement<br>Mo/Yr | (12)<br>Gen. Max.<br>Nameplate<br>kW | (13) (14)<br>Net Capability |              | (15)<br>Status |
|-----------------------|--------------------|-----------------|---------------------|-----------------|-----------|------------------------|-----------|---------------------------------|---|---|--------------------------------------|-----------------------------|--------------|----------------|
|                       |                    |                 |                     | Primary         | Alternate | Primary                | Alternate |                                 |   |   |                                      | Summer<br>MW                | Winter<br>MW |                |
|                       |                    |                 |                     |                 |           |                        |           |                                 |   |   |                                      |                             |              |                |
| Balm Solar**          | 1                  | Hillsborough    | PV                  | SOLAR           | NA        | NA                     | NA        | -                               | 09/18                                     | *                                       | 74,400                               | 74.4                        | 74.4         | P              |
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| Lithia Solar**        | 1                  | Hillsborough    | PV                  | SOLAR           | NA        | NA                     | NA        | -                               | 1/19                                      | *                                       | 74,500                               | 74.5                        | 74.5         | P              |
| Grange Hall Solar**   | 1                  | Hillsborough    | PV                  | SOLAR           | NA        | NA                     | NA        | -                               | 1/19                                      | *                                       | 61,000                               | 61.1                        | 61.1         | P              |
| Peace Creek Solar**   | 1                  | Polk County     | PV                  | SOLAR           | NA        | NA                     | NA        | -                               | 1/19                                      | *                                       | 57,000                               | 56.6                        | 56.6         | P              |
| Bonnie Mine Solar**   | 1                  | Polk County     | PV                  | SOLAR           | NA        | NA                     | NA        | -                               | 1/19                                      | *                                       | 34,000                               | 34.5                        | 34.5         | P              |
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| <u>Big Bend</u>       | <u>2</u>           | <u>Big Bend</u> | <u>ST</u>           | <u>BIT</u>      | <u>NG</u> | <u>WA/RR</u>           | <u>PL</u> | <u>-</u>                        | <u>04/73</u>                              | <u>06/21</u>                            | <u>445,500</u>                       | <u>(385)</u>                | <u>(395)</u> | <u>RT</u>      |
| Big Bend CT 5***      | 5M                 | Big Bend        | GT                  | NG              | NA        | PL                     | NA        | 08/19                           | 06/21                                     | *                                       | *                                    | 360                         | 392          | P              |
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