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April 21, 2022

**VIA: ELECTRONIC FILING**

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


Re: Petition for Approval of Shared Solar Tariff by Tampa Electric Company  
FPSC Docket No. 20180204-EI

Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's responses to Staff's Eighth Data Request (Nos. 1-8), as requested on April 1, 2022.

Thank you for your assistance in connection with this matter.

Sincerely,



J. Jeffrey Wahlen

JJW/  
Attachment

cc: Walt Trierweiler  
TECO Regulatory Dept.  
William Ashburn  
Jordan Williams

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- 1.** What portion of the 17.5 MW SSR-1 designated capacity of the Lake Hancock site was subscribed as of 12/31/21. Show the calculations performed.
  
- A.** As of 12/31/21, 3.31 MW of Lake Hancock site was subscribed. Residential customers subscribed to 3.20 MW while commercial customers subscribed to .11 MW.

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- 2.** What was the actual capacity factor for the Lake Hancock Unit in 2021? If any outages occurred, please list the outages, and explain the nature of each outage.
  - A.** In 2021, the actual capacity factor for the units at Lake Hancock that are dedicated to the Sun Select program was 21.07%. No notable outages were reported.

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3. In part, Page 7 of Order No. 2019-0215-TRF-EI, Order Approving Tampa Electric Company’s Shared Solar Tariff, states “[t]he reporting criteria include the tariff’s participation and waiting list levels, energy sales amounts, costs, and revenues, in order to analyze the impacts on both participants and non-participants.” Page 1 in TECO’s 2021 Annual Shared Solar Report reflects Energy Sales from the Company’s Shared Solar program (offered by the SSR-1 tariff) in dollars but not in energy units (kilowatt-hours).

- A. Please state the 2021 Energy Sales in energy units (kilowatt-hours), in total by customer class.
- B. Provide disaggregation of 2021 participation data (671 customers) according to customer class and according to subscription level (percentage of monthly energy consumption (25%, 50% and 100%), per Tariff Sheet 3.300.

A. A. 2021 total Energy Sales in kWh:

Commercial: 45,903 kWh

Residential: 4,314,550 kWh

B.

	Residential	Commercial
25%	134	1
50%	178	1
100%	352	4
1000 kWh blocks (large accounts only)	N/A	1
Total	664	7

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4. Explain the discrepancy between the 2020 cost figure of \$25,512.16 in FPSC Document Number 03616-2021 (dated 4/21/2021), and the cost figure for 2020 presented in FPSC Document Number 01532-2022 (the March 1, 2022 filing) of \$19,805.09.

A. The incorrect \$19,805.09 was brought forward to the March 1, 2022 report. The correct 2020 cost figure was \$25,512.16 as published in FPSC Document Number 03616-2021 (dated 4/21/2021). By Order No. PSC-2019-0215-TRF-EI, the Commission approved Tampa Electric Company's (TECO or utility) Shared Solar Tariff (SSR-1). The SSR-1 tariff provides residential and commercial customers with the option to purchase energy produced from a TECO-owned solar generation facility to replace all or a portion of their monthly energy consumption. Participants are charged a Shared Solar Charge of \$0.063 per kilowatt-hour. The SSR-1 tariff became effective on June 25, 2019, after TECO completed programming its billing system to administer the SSR-1 tariff. Tampa Electric Company launched Sun Select on June 26, 2019 to its customers

2021		
Participation level	671 customers	
Wait List Level	N/A	
Energy Sales	\$ 274,711.15	
Costs	\$ 3,627.50	

2020		
Participation level	442 customers	
Wait List Level	N/A	
Energy Sales	\$ 213,962.94	
Costs	\$ 25,512.16	

2019		
Participation level	215 customers	
Wait List Level	N/A	
Energy Sales	\$ 34,966.55	
Costs	\$ 2,870.94	

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- 5.** In FPSC Document Number 03616-2021, TECO reported that it incurred \$21,944.67 in marketing consultant/contractor costs. Please provide a detailed explanation of those expenses.
  
- A.** Tampa Electric utilized a third-party marketing company to support creation of the SSR-1 creative content.

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- 6.** Please provide a breakdown of the \$3,627.50 in Shared Solar Tariff costs reported for 2021.
  - A.** Costs incurred in 2021 were payroll related. Activities include billing, reporting and customer interactions which make up the amount of \$3,627.50 for 2021.

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7. Page 4 of Order No. PSC-2019-0215-TRF-EI states, in part, that the SSR-1 unit was expected to generate enough energy for 2,600 residential customers at the 100 percent subscription level. The order also states that according to TECO survey results, then current demand exceeded 17.5 MW output of the site and the waiting list was growing.
- A. Please explain why TECO's third year participation level was approximately 26% of originally expected participation levels (671 customers / 2,600 residential customers).
  - B. Identify future projected participation levels (for 2022 through 2030) in SSR-1 and the basis for such projections.
  - C. Identify the current cost recovery position of the 17.5 MW portion of the Lake Hancock solar unit, including identification of the 2021 total revenue requirement for that portion of Lake Hancock and the amount of revenue requirement that is recovered annually via the SSR-1 tariff. Please provide a breakdown of the revenue requirement.
  - D. Explain how the 2021 TECO Settlement Agreement in Docket No. 20210053-EI, impacts the cost recovery of the 17.5 MW portion of Lake Hancock Solar unit.
  - E. What was the impact of the 17.5 MW portion of the Lake Hancock unit of TECO earnings in 2021?
  - F. Explain anticipated proposed modifications, if any, considered by TECO at this time as relates to SSR-1 Tariff and/or recovery of the 17.5 MW Lake Hancock Unit costs.
- A.**
- A. TECO's third year participation level was lower than expected as a result of the business decision not to promote premium programs during the COVID pandemic. Additionally, the drop rate of the program during this time was higher than expected.
  - B. Future participation levels are forecasted to remain flat at the current price point and program structure.
  - C. 2021 Annual Revenue Requirement for the Lake Hancock Solar unit that is dedicated to SSR-1 is \$2,660,000. That breakdown includes:



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return on rate base of \$1,520,000; book depreciation of \$760,000; income tax of \$380,000. As described in response to Interrogatory No. 4, this set, the 2021 revenues collected under the SSR-1 was \$274, 711.

- D. The 17.5 MW portion of Lake Hancock Solar unit was included in rate base as part of the 2021 Settlement Agreement in Docket No. 20210053-EI, along with a revenue credit to reflect the revenues projected to be collected in the 2022 test year from community solar participants under SSR-1.
- E. As described in response to Interrogatory No, 7C above, the total return on rate base assuming full return in 2021 for the Lake Hancock Solar unit that is dedicated to SSR-1 was \$1,520,000 in 2021. Full return was not achieved in 2021, and what portion of the actual earnings achieved in 2021 that came from the Lake Hancock Solar unit is not calculable since some came from revenues collected under the SSR-1 from participation ratepayers and the remainder came from overall energy produced by SSR-1 that was utilized by the remaining body of ratepayers.
- F. Tampa Electric has not developed any proposed modifications to the SSR-1 tariff at this time. Evaluation of the SSR-1 tariff is ongoing including the potential for future modifications to increase the participation levels.

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- 8.** Compare cost recovery of the energy costs for residential and business class customers under the SSR-1 tariff rate to the alternative (Fuel Cost Recovery Factors) in 2021. Please explain:
- A. Were SSR-1 tariff customers for the residential customer class paying more or less for energy at the 25%, 50% and/or 75% subscription levels relative to nonsubscribers (other customers not on the SSR-1 tariff)?
  - B. Were SSR-1 tariff customers for the business customer class paying more or less for energy at the 25%, 50% and/or 75% subscription levels relative to nonsubscribers (other customers not on the SSR-1 tariff)?
  - C. How do these comparisons align with TECO's third party market study that estimated the market potential for TECO as discussed on Page 3 of Order No.PSC-201900215-TRF-EI?
- A.**
- A. SSR-1 tariff customers for the residential customer class were paying more than nonsubscribers for all subscription levels.
  - B. SSR-1 tariff customers for the business customer class were paying more than nonsubscribers for all subscription levels.
  - C. The Company's third-party market study estimated a market potential of approximately 24,000 residential customers for a shared solar program with an incremental cost of \$0.04 per kWh over retail rates. Tampa Electric has not experienced interest in participation and is evaluating the potential for future modifications to increase the participation levels.