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July 14, 2021

**VIA: ELECTRONIC MAIL**

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

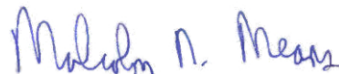
Re: Storm Protection Plan Annual Status Report  
Dkt. 20210000-OT

Dear Mr. Teitzman:

Enclosed for filing is Tampa Electric Company's Response to Staff's First Data Request (Nos. 1-5).

Thank you for your assistance in connection with this matter.

Sincerely,



Malcolm N. Means

MNM/bmp  
Enclosure

cc: Penelope Buys – [pbuys@psc.state.fl.us](mailto:pbuys@psc.state.fl.us) (w/enc.)  
Paula K. Brown - [pbrown@tecoenergy.com](mailto:pbrown@tecoenergy.com) (w/o enc.)

**TAMPA ELECTRIC COMPANY  
UNDOCKETED  
SPP ANNUAL STATUS REPORT  
STAFF'S FIRST DATA REQUEST  
REQUEST NO. 1  
BATES PAGES(S): 1  
FILED: JULY 14, 2021**

- 1.** Please refer to pages 32 through 36 of TECO's SPP Annual Status Report. What is the inspection cycle for TECO's joint-use audit?
  - A.** Tampa Electric began the process for implementing a joint-use pole attachment audit in last quarter of 2018, with active field employees in the first quarter of 2019. The audit was completed in the first quarter of 2020. The company projects the next complete audit of joint use attachers will start on the company's electrical system in 2025

**TAMPA ELECTRIC COMPANY  
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SPP ANNUAL STATUS REPORT  
STAFF'S FIRST DATA REQUEST  
REQUEST NO. 2  
BATES PAGES(S): 2  
FILED: JULY 14, 2021**

- 2.** Please refer to the 2020 Infrastructure Inspections Summary on page 36 of TECO's SPP Annual Status Report. Please indicate the number of joint use inspections projected for 2020, if any. If none are projected, please explain why.
  - A.** There are no joint use inspections projected for 2020. The Wood Pole Inspection Program includes all wood poles regardless of ownership. The Actual Joint Use Inspection value represents the number of Joint Use poles encountered in the 2020 inspection cycle.

**TAMPA ELECTRIC COMPANY  
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REQUEST NO. 3  
BATES PAGES(S): 3  
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3. In its Wooden Pole Inspection Report, TECO previously indicated it had projected 24,000 distribution wood pole inspections for 2020. On page 36 of TECO's SPP Annual Status Report, within the 2020 Infrastructure Inspections Summary, TECO projected to inspect 22,500 distribution wood poles. Please indicate the number of projected distribution wood pole inspections for 2020 and explain the reason for the difference between these two projections.
- A. Tampa Electric bases its projected Wood Pole Inspection program amounts to ensure compliance with Order No. PSC-2006-0144-PAA-EI, issued February 27, 2006 in Docket No. 20060078-EI which requires each investor-owned electric utility to implement an inspection program of its wooden transmission and distribution poles on an eight-year cycle based on the requirements of the National Electrical Safety Code ("NESC"). Tampa Electric has approximately 285,000 distribution and lighting wood poles and 26,000 transmission poles appropriate for inspection for a total pole inspection population of approximately 311,000. Approximately 12.5 percent of the known system will be targeted for inspections annually although the actual number of poles may vary from year to year due to recently constructed circuits, de-energized circuits, reconfigured circuits, etc. This program provides a systematic identification of poles that require repair, reinforcement, or replacement to meet strength requirements of the NESC.

Specifically, to address why there are deviations in the numbers projected is due to the timing of when the company puts the information together. In the company's 2019 Wood Pole Inspection Report, the company projected it would complete 39,500 wood pole inspections and completed 38,940 wood pole inspections and projected in 2020 to complete 24,000 wood pole inspections;

In the company's 2020 Wood Pole Inspection Report, the company projected it would complete 24,000 wood pole inspections and completed 24,962 wood pole inspections and projected in 2021 to complete 24,000 wood pole inspections;

In the company's 2021 Annual Projection filing, the company projected in 2021 to complete 19,650 wood pole inspections and 33,700 in 2022.

It is important to note that the Wood Pole Inspection reporting numbers are finalized near the end of the last week of January each year for it to be submitted with the company's Annual Reliability Report Information.

**TAMPA ELECTRIC COMPANY  
UNDOCKETED  
SPP ANNUAL STATUS REPORT  
STAFF'S FIRST DATA REQUEST  
REQUEST NO. 4  
BATES PAGES(S): 4  
FILED: JULY 14, 2021**

4. Please provide the number of projects planned for 2021 for the following programs:
- Distribution Lateral Undergrounding
  - Vegetation Management
  - Transmission Asset Upgrades
  - Distribution Overhead Feeder Hardening
  - Infrastructure Inspections
  - Substation Extreme Weather Protection
  - Transmission Access Enhancements

A. The number of projects planned for 2021 are as follows:

**Distribution Lateral Undergrounding:** 520

**Vegetation Management:** The work done within vegetation management is not based upon projects. The work consists of five - ongoing initiatives and one initiative that is scheduled to be completed by 2023.

**Transmission Asset Upgrades:** 46

**Distribution Overhead Feeder Hardening:** 33

**Infrastructure Inspections:** The work done within infrastructure inspections involves the inspections performed on the company's Transmission and Distribution infrastructure including all wooden distribution and transmission poles, transmission structures and substations, as well as the audit of all joint use attachments.

**Substation Extreme Weather Protection:** There are no specific projects planned. In 2021, Tampa Electric is performing a substation extreme weather hardening study by a third-party engineering consultant. The sole purpose of the study is to evaluate hardening options for 24 existing transmission and distribution substations to minimize outages, reduce restoration times and enhance emergency response during extreme weather events. The study will identify and prioritize measures such as permanent or temporary barriers, elevating substation equipment, or relocating facilities to areas that are less prone to flooding to increase the resiliency and reliability of these substations.

**Transmission Access Enhancements:** 18

**TAMPA ELECTRIC COMPANY  
 UNDOCKETED  
 SPP ANNUAL STATUS REPORT  
 STAFF'S FIRST DATA REQUEST  
 REQUEST NO. 5  
 BATES PAGES(S): 5  
 FILED: JULY 14, 2021**

5. Please complete the following table regarding TECO's actual and projected SPP cost recovery clause rate impacts:

Customer Class	2020 Estimated	2020 Actual	2021 Estimated
Residential \$/kWh			
Commercial \$/kW			
Industrial \$/kW			

- A. The following table provides Tampa Electric's actual and projected SPP cost recovery clause rate impacts:

Customer Class	2020 Estimated	2020 Actual	2021 Estimated
Residential \$/kWh	\$1.50/kWh	\$0.031/kWh	\$2.22/kWh.
Commercial \$/kW	\$0.00144/kW	\$0.05313/kW	\$0.00214/kW
Industrial \$/kW	\$0.00006/kW	\$0.01496/kW	\$0.00008/kW