AUSLEY MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

January 17, 2019

VIA: ELECTRONIC FILING

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

Re: Docket No. 20180145-EI – Review of 2019-2021 storm hardening plan, Tampa Electric Company

Dear Mr. Tietzman:

Attached for filing in the above docket is Tampa Electric Company's Responses to Staff's Second Data Request (Nos. 1-3) dated January 3, 2019.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp
Attachment

cc: Johana Nieves (w/attachment)

1. Please refer to TECO's response to question 4 of staff's first data request. What kind of cost benefit analysis does TECO perform when it identifies a storm hardening project and how is the analysis utilized?

A. Tampa Electric does not perform formal cost benefit analysis when identifying storm hardening projects. The storm hardening projects are determined based upon potential negative impacts on public safety and health, magnitude and impact on customers likely affected by an outage, environmental impacts and access constraints that may exist following a potential major storm. Once a storm hardening project has been selected, Tampa Electric will perform an internal formal cost analysis prior to initiating the project. In this internal analysis, the company projects the costs and estimates the benefits that should be realized. Tampa Electric recognizes that assigning a monetary value to customer benefits would not be practical due to lack of specific financial information outages have on customers, as well as assigning value to public safety and health may skew the projects benefit analysis.

2. Please refer to TECO's response to question 6 of staff's first data request.

a. How many different non-electric utility pole owners do you have attachment agreements with?

b. What is the percentage spread of ownership of the non-electric utility poles amongst those different entities?

A. a. Tampa Electric has attachment agreements with nine different non-electric utility pole owners.

b. The percentage spread of ownership of the non-electric utility poles amongst those different entities varies from 0.03 percent to 4.35 percent.

3. Please refer to TECO's response to questions 4, 5, and 6 of staff's first data.

a. How does TECO gather historical locational information for purposes of screening and/or selecting locations for storm hardening projects?

b. Does TECO track this information on a GIS basis?

i. If not, please explain why not.

A. a. Tampa Electric does not use historical information for purposes of screening and/or selecting locations for storm hardening projects.

b. **Storm Hardening:** Storm hardening projects and associated details of the project are not tracked in the company's Geographical Information System ("GIS"). The individual assets that make up the storm hardening project are tracked within the company's GIS.

i. From a historical locational perspective Tampa Electric has not been subjected to recurring storm damage in any specific regions. According to the map created by The American Society of Civil Engineers (ASCE 74-10), Tampa Electric's entire territory is within the 120 mile per hour region which is not considered extreme wind conditions. Therefore, selecting storm hardening projects based upon geographical regions would not be the most prudent process. However, Tampa Electric has begun to deploy submersible switchgear in specific locations along the coast that are prone or subjected to flooding.

Joint Users: Yes, the company tracks all non-electric poles that have a Tampa Electric attachment in the company's GIS. The company, in addition to the GIS system that tracks all of Tampa Electric's poles, utilizes a program called Spidamin to track non-electric attachments to the company's poles. Spidamin does have a map feature similar to a GIS system.

i. Not applicable