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Public Service Commission

June 13, 2016

Mr. Robert L. McGee, Jr.
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780

STAFF'S FIRST DATA REQUEST

Re: Docket No. 160108-EI, Petition for approval of 2016-2018 storm hardening plan, pursuant to Rule 25-6.0342, F.A.C., by Gulf Power Company.

Dear Mr. McGee:

Please refer to Gulf Power Company's (Gulf) 2016-2018 Storm Hardening Plan filed May 2, 2016.

1. Referring to page 9, Joint-Use Pole Attachment Audits, since the joint-use attachment audit is on a five-year cycle, are all of the joint-use attachments inspected in one year or over five years?
2. On page 10, Storm Hardening Activities for Transmission Structures, Gulf reports 355 cross-arm replacements left to be completed.
 - a. Other than the cross-arm replacements, are there any other types of storm hardening activities for transmission structures?
 - b. Please complete the table below describing all transmission structure hardening projects. Please provide this information for the years 2007 through 2018.

	Total	Number Hardened	O&M Cost	Capital Cost	Total Cost
Project					
Project					

3. Referring to page 11, GIS, are all of Gulf's distribution and transmission systems inputted in Gulf's GIS databases?
4. Referring to page 15, Gulf's Company Emergency Management Center, what are the private weather services that Gulf uses?

5. Referring to pages 17 through 18, Compliance with NESC in regards to Storm Hardening.
 - a. Please describe in detail how Gulf's distribution facilities meet current NESC requirements.
 - b. Please describe in detail how Gulf's transmission facilities meet current NESC requirements.
 - c. Please describe in detail how using ASCE 7 extreme wind loading criteria for structure design and selection for Gulf's substations meets current NESC requirements.

6. Referring to page 18, Adoption of Extreme Wind Loading Standards.
 - a. What were the EWL pilot projects?
 - b. Has Gulf learned any lessons from the EWL pilot projects? Please explain your answer.
 - c. Referring to Appendix 1, if a service area district is located between two different wind zones, what wind zone is the service area system constructed to withstand?

7. Referring to pages 20 through 21, Additional Proposed Storm Hardening Initiatives.
 - a. For the three different types of projects listed, please identify the areas where these projects have been completed and/or proposed.
 - b. Please complete the table below describing all distribution hardening projects. Please provide this information for the years 2007 through 2018.

	Total	Number Hardened	O&M Cost	Capital Cost	Total Cost
Project					
Project					

8. Referring to page 21, Description of the Facilities Affected, including Technical Design Specification, Construction Standards and Construction Methodologies Employed for Distribution, please complete the table below describing critical infrastructure conversion to Grade B construction. Please provide this information for the years 2016 through 2018.

	Service Area	Total	Number Hardened	O&M Cost	Capital Cost	Total Cost
Project						
Project						

9. Referring to page 23, Gulf's Estimate of Instrumental Cost and Benefits, Gulf reported that due to lack of data, it could not estimate the reductions in storm restoration cost and outages. Please provide any calculations, performed by Gulf, that estimate reductions in storm costs and outages that will result from storm hardening initiatives.

10. Referring to page 24, Seeking Input from Attachments.

- a. Did Gulf receive any comments from third-party attachments?
- b. If yes, please provide a summary of the comments received and any updates to Gulf's plan to address the concerns raised by the attachments.

11. Referring to Appendix 2, page A-OZZ-1, PoleForeman.

- a. When did Gulf first start using the "PoleForeman" software?
- b. Have there been any updates to the "PoleForeman" software since Gulf first started using the software?
- c. If yes, please provide the dates of the updates and the associated cost of the updates.

12. Please complete the table below.

Activity	Any change from current plan. (Y/N) *	Actual Cost									Estimated Cost								
		2013			2014			2015			2016			2017			2018		
		O&M	Capital	Total	O&M	Capital	Total	O&M	Capital	Total	O&M	Capital	Total	O&M	Capital	Total	O&M	Capital	Total
8-Year Wooden Pole Inspection Program																			
10 Storm Hardening Initiatives																			
1	A Three-Year Vegetation Management Cycle for Distribution Circuits																		
2	An Audit of Joint-Use Attachment Agreements																		
3	A Six-Year Transmission Structure Inspection program																		
4	Hardening of Existing Transmission Structures																		
5	Transmission and Distribution GIS																		
6	Post-Storm Data Collection and Forensic Analysis																		
7	Collection of Detailed Outage data Differentiating Between the Reliability Performance of Overhead and Underground Systems																		
8	Increased Utility Coordination with Local Governments																		
9	Collaborative Research on Effects of Hurricane Winds and Storm Surge																		
10	A Natural Disaster Preparedness and Recovery Program																		
Totals																			
Any Other Key Elements or Proposed Initiatives																			

* Please explain any changes from the current plan.

Mr. Robert L. McGee, Jr.
June 13, 2016
Page 5

Please submit your responses to the Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Blvd., Tallahassee, FL 32399-0850, by July 13, 2016. If you have any questions or concerns, please contact me by phone at (850) 413-6518 or by email at pbuys@psc.state.fl.us.

Sincerely,

A handwritten signature in black ink that reads "Penelope D Buys". The signature is written in a cursive, slightly slanted style.

Penelope D. Buys
Engineering Specialist
Division of Engineering

PDB:tj

cc: Office of Commission Clerk (Docket No. 160108-EI)