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Public Service Commission

June 15, 2016

Mr. Matthew R. Bernier
Duke Energy Florida, LLC.
106 East College Avenue, Suite 800
Tallahassee, FL 32301

STAFF'S FIRST DATA REQUEST

Re: Docket No. 160107-EI - Petition for approval of 2016-2018 storm hardening plan, pursuant to Rule 25-6.0342, F.A.C., by Duke Energy Florida, LLC.

Dear Ms. Triplett:

Please refer to Duke Energy Florida, LLC's (DEF) 2016-2018 Storm Hardening Plan filed May 3, 2016.

1. Referring to page 6, Critical Infrastructure, please identify the locations where DEF is using its prioritization model for implementation purposes.
2. Referring to page 7, Mitigation of Damage Due to Flooding and Storm Surges.
 - a. Please list the areas where DEF has identified underground equipment that should be replaced with overhead.
 - b. Please list any areas where mitigation projects have been put into place to test flood mitigation techniques and devices.
 - i. Will each selected project site test all of the items listed on page 7?
 - ii. If no, please list the items to be tested per project site and why the items were selected for the project site.
3. Referring to page 7, Mitigation of Damage Due to Flooding and Storm Surges, has DEF learned any lessons from the St. George Island Project? If yes, please provide an explanation for the lessons learned.
4. Referring to page 13, Prioritization Model Questions, how is the Customers Experiencing Longest Interruption Duration (CELID) calculated and used?

5. On page 14, Prioritization Model Questions, DEF reported that the questions used in its prioritization model are assigned a numerical value.
 - a. Do all of the questions have the same range of numerical values?
 - b. Are all of the questions weighted the same?
 - c. If no to either 5(a) or 5(b), please list the questions in order of highest or most important. Include the numerical value range and how the questions are weighted.

6. Referring to pages 15 through 16, 2016-2018 Distribution Storm Hardening Projects.
 - a. Are any of the listed projects Critical Infrastructure (CIF) projects? If yes, please identify those projects.
 - b. Please provide an estimated start and completion date for the projects planned for 2016 through 2018.
 - c. Please complete the table below describing all distribution feeder hardening projects. Please provide this information for the years 2007 through 2018.

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

7. Referring to page 17, 2016-2018 Distribution Storm Hardening Projects, as reported in the examples of the hardening projects, will DEF always notify the town and/or communities of the proposed storm hardening projects?

8. Referring to pages 17 through 27, 2016-2018 Transmission Storm Hardening Projects.
 - a. Please provide an estimated start and completion date for the projects planned for 2016 through 2018.
 - b. Please complete the table below describing all transmission hardening projects. Please provide this information for the years 2007 through 2018.

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

9. Referring to page 29, Soliciting Input from Third Party Attachers.
 - a. Did DEF make any updates or modifications to its Storm Hardening Plan or Attachment Standards and Procedures?
 - b. If yes, did DEF seek input from third-party attachers as required by Rule 25-6.0342(6), Florida Administrative Code (F.A.C.), Electric Infrastructure Storm Hardening?
 - i. If yes, who responded and provide a summary of their comments and/or suggestions?
 - ii. If no, please explain why not.
10. Referring to Attachment A, page DWG-01.00-06, PoleForeman.
 - a. When did DEF first start using the “PoleForeman” software?
 - b. Have there been any updates to the “PoleForeman” software since DEF first started using the software?
 - c. If yes, please provide the dates of the updates and the associated cost of the updates.
11. Please refer to Attachment B, 2015 PSC Reliability Report, pages 39 through 41 for the following questions.
 - a. Referring to subsection (a), please describe each storm hardening activity undertaken in the field during 2015.
 - b. Please provide all anticipated benefits for each of the distribution projects listed in subsection (a).
 - c. Please provide any calculations, performed by DEF, that estimate reductions in storm costs and outages that will result from storm hardening initiatives.
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.

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Please submit your responses to the Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Blvd., Tallahassee, FL 32399-0850, by July 15, 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 style with a large initial "P".

Penelope D. Buys
Engineering Specialist
Division of Engineering

PDB:tj

cc: Office of Commission Clerk (Docket No. 160107-EI)