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February 26, 2018

VIA ELECTRONIC FILING

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

RE: Docket No. 20170215-EU
Review of electric utility hurricane preparedness and restoration activities

Dear Ms. Stauffer:

On behalf of Duke Energy Florida ("DEF"), please find attached for electronic filing in the above referenced docket:

- DEF's Supplemental Response to Staff's Third Data Request (Nos. 1-12), specifically, DEF's response to question #6.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmK
Enclosures

cc: Parties of record

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished to the following by electronic mail this 26th day of February, 2018, to all parties of record as indicated below.

/s/ Matthew R. Bernier
Attorney

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Docket 20170215-EU
Review of electric utility hurricane preparedness and restoration actions

DEF's Supplemental Response to Staff's Third Data Request

6. For Highlands, Marion, and Volusia counties in DEF's service territory, please respond to the following questions for Hurricane Irma.
- a. Identify and describe the areas in each county that sustained the most damage.
 - b. When was the last time tree trimming was performed in those high damage areas? How many miles were trimmed during that time?
 - c. Were there any preventive measures that could have been taken before Hurricane Irma impacted those high damage areas?

RESPONSE:

6a.

Marion County:

- The SE 52nd St. area east of HWY 441/301
- The SE 80th St. area west of Hwy 441/301
- The area along CR 42 both west and east of HWY 441/301
- The SE 110th St area both east and west of the City of Belleview.

Highlands County:

Lake Placid

- Catfish Creek Rd.

Sebring

- Hwy 635 from the state park to the Country Club of Sebring –
- Town and Country park off of Cooper Rd (URD facilities under water due to flooding) - The entire back section of this area experienced flooding and the underground transformers were covered with water.

Avon Park

- Crystal Lake mobile home park (URD facilities under water due to flooding) - Widespread flooding in this area with transformers under water. DEF worked closely with county officials to coordinate power restoration efforts.

Volusia County:

- CR15A/Spring Garden Avenue North and Woodland Circle in North Deland
- South Spring Garden Avenue and Deerfoot Road in West Deland
- Asturiano Road and Serena Road in DeBary

DEF notes that its post-Irma forensic assessment indicates that the majority of the vegetation-caused damage to DEF's facilities resulted from trees outside of the rights-of-way, and therefore largely beyond DEF's vegetation management rights. Moreover, due to Transmission outages, certain of the highlighted counties (e.g., Highlands) experienced outages that were largely unrelated to damage to the distribution facilities within the county.

6b. See the documents attached bearing Bates Numbers DEF DR3-6b-0001 through DEF DR3-6b-0003. This document provides the production trimming information requested for the circuits identified as serving the areas referenced in DEF's response to question 6a. However, the document does not provide information related to reactive trimming (e.g., mid-cycle trims identified by DEF's inspection process, customer requested trims, danger trees removed, etc.) that may have occurred on the referenced circuits, as DEF does not maintain records for those trims/removals. DEF prioritizes circuits for production trimming purposes by analyzing the following non-exclusive factors: the number of customers per mile, the number of tree caused outages in prior years, outages per mile, the percentage of outages on backbone feeders, the percentage of total tree outages categorized as preventable (i.e., outages caused by trees within DEF rights-of-way), and total tree customer minutes of interruption ("CMI"). Each year, based on a combination of these factors, circuits are assigned a priority ranking and trimming is performed according to those rankings. In addition, DEF annually patrols all 3-phase circuits to identify additional vegetation management needs (e.g., removal of overhang, danger trees, etc.).

6c. DEF focuses its system improvement and vegetation management efforts with an emphasis on long-term reliability data. DEF will continue to monitor system performance and target areas that provide the greatest reliability benefit for customers. Additionally, DEF's post-Irma forensic analysis of damage to its distribution system indicated that the majority of damage to DEF's system was caused by vegetation/trees from outside of DEF's right of way (and therefore, largely, beyond DEF's control). DEF will continue to work with local governments and owners of property abutting DEF's facilities to address these issues. Moreover, in the lead up to the storm, DEF continues to work with local EOCs to prepare for the storm, and provides public service announcements regarding preventative measures the public should take (e.g., securing items that could become projectiles in storm events, preparing for potential power outages, alerting medical essential customers, etc.). In the immediate lead up to a storm, it is difficult to concentrate resources on any particular area to attempt to perform "last minute" storm hardening, as there is no way to know exactly where a storm's impact will be felt, nor where it will cause the most damage.

Circuit Name	Target Area Miles (Partial)	COUNTY	Last Year Trim	Last Trim Miles	Comment
A154BB	3.29	MARION	2016	3.32	
A154LAT	15.92	MARION	2017	15.83	
A1BB	5.42	MARION	2017	5.32	
A1LAT	22.74	MARION	2014	22.92	
A230BB	3.24	MARION	2016	3.37	
A230LAT	27.24	MARION	2016	26.75	
A231BB	2.71	MARION	2016	2.72	
A231LAT	25.00	MARION	2014	24.93	
A233BB	5.95	MARION	2016	6.01	
A233LAT	15.22	MARION	2016	15.25	
A2BB	5.28	MARION	2016	5.29	
A2LAT	17.96	MARION	2017	17.96	
A392BB	2.89	MARION	2016	2.88	
A392LAT	20.35	MARION	No Trim History	20.46	Load Transfer from A321 (Last Trim A321BB: 2016 A321LAT: 2013)
A394BB	2.10	MARION	2014	2.18	
A394LAT	29.60	MARION	2014	29.66	

Circuit Name	Target Area Miles (Partial)	COUNTY	Last Year Trim	Last Trim Miles
W0034BB	0.51	VOLUSIA	2017	5.59
W0034LAT	0.45	VOLUSIA	No Trim History	0.00
W0378BB	0.53	VOLUSIA	2014	2.54
W0378LAT	1.15	VOLUSIA	2017	15.43
W0382BB	0.54	VOLUSIA	2016	4.96
W0761BB	0.22	VOLUSIA	2015	3.64
W0761LAT	0.25	VOLUSIA	2016	16.91
W0804BB	0.26	VOLUSIA	2016	5.73
W0804LAT	2.05	VOLUSIA	2017	12.47
W4564BB	0.58	VOLUSIA	2015	7.73
W4564LAT	2.83	VOLUSIA	2015	13.84

Circuit Name	Target Area Miles	COUNTY	Last Year Trim	Last Trim Miles
K1066BB	1.003	HIGHLANDS	2014	7.40
K1066LAT	0.803	HIGHLANDS	2007	18.38
K1560LAT	4.431	HIGHLANDS	2004	79.91
K1706LAT	1.708	HIGHLANDS	2013	30.17