

COMMISSIONERS:
ART GRAHAM, CHAIRMAN
JULIE I. BROWN
DONALD J. POLMANN
GARY F. CLARK

STATE OF FLORIDA



OFFICE OF THE GENERAL COUNSEL
KEITH C. HETRICK
GENERAL COUNSEL
(850) 413-6199

Public Service Commission

January 19, 2018

STAFF'S THIRD DATA REQUEST

via email

To:

Duke Energy Florida, LLC (Matthew.Bernier@duke-energy.com, dianne.triplett@duke-energy.com)

Re: Docket No. 20170215-EU - Review of electric utility hurricane preparedness and restoration actions.

To Whom It May Concern:

By this letter, the Commission staff requests that each utility provide responses to the following data requests.

1. Please refer to question no. 11 of DEF's responses to staff's first data request, document no. 10722-2017. Please provide the number of customers that were unable to receive power and the amount of time it took to restore those customers.
2. Please refer to DEF's response to question no. 11. For Hurricane Irma, the date that the first outages occurred was stated to be 9/11/17. Based on the State Emergency Operations Center's outage data, the first outages were reported on 9/9/17 with 86 customers out. Please provide an explanation for this discrepancy.
3. Please refer to DEF's responses to question no. 12. Has DEF storm hardened its facilities serving the local community critical infrastructure facilities that experienced outages? If yes, please describe the hardening efforts. If not, please explain why not.

4. Please refer to DEF's response to question no. 12. Please provide an explanation for the peak number of outages exceeding the number of customers for the following:
 - a. Hermine - Columbia County
Peak number of customers out = 601
Customers served = 553
 - b. Irma - Hardee County
Peak number of customers out = 2,680
Customers served = 2,661
 - c. Irma - Osceola County
Peak number of customers out = 229,895
Customers served = 48,065
5. Please refer to DEF's response to question no. 30 for the following:
 - a. Please explain why there is no data available on what facilities were replaced or repaired during Hurricanes Hermine, Matthew, and Irma.
 - b. Please describe what facilities were included in the reported damage to feeders, laterals, and service for Hurricanes Hermine, Matthew and Irma.
 - c. The three provided tables listing damage reported during Hurricanes Hermine, Matthew and Irma show that underground feeders, laterals, and service performed better than overhead, with the exception of underground feeders during Hurricanes Matthew and Irma. Please explain the reason for the difference in performance.
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?
7. Please provide the following information for an instance where storm hardened structures incurred damage and required repair or replacement due to Hurricane Irma.
 - a. A description of the damage incurred (i.e. broken pole, displaced underground vault, etc.).
 - b. A description of the repair process, including a description of any temporary repairs that required a follow-up trip.
 - c. A description of the repair process if the facilities had not been hardened.

8. In Order No. PSC-06-0351-PAA-EI, the Commission ordered Florida's investor-owned utilities to file plans for Ten Storm Preparedness Initiatives. The Ten Initiatives are:

- Three-Year Vegetation Management Cycle for Distribution Circuits
- Audit of Joint-Use Agreements
- Six-Year Transmission Inspections
- Hardening of Existing Transmission Structures
- Transmission and Distribution Geographic Information System
- Post-Storm Data Collection and Forensic Analysis
- Collection of Detailed Outage Data Differentiating Between the Reliability Performance of Overhead and Underground Systems
- Increased Utility Coordination with Local Governments
- Collaborative Research on Effects of Hurricane Winds and Storm Surge
- A Natural Disaster Preparedness and Recovery Program

Please provide suggested improvements, if any, to the Ten Initiatives, including modifications to existing initiatives and/or possible alternatives, based on lessons learned.

9. Please provide suggested improvements, if any, to the 8 year wooden pole inspection program, including modifications to the existing program and/or possible alternatives, based on lessons learned.

10. Please provide suggested improvements, if any, to the electric infrastructure storm hardening plan filed pursuant to Rule 25-6.0342, F.A.C., including modifications to the existing rule and/or possible alternatives, based on lessons learned.

11. Assuming DEF decreased its feeder vegetation cycle from its current 3 year cycle to a 2 year cycle, please provide the following:

- a. Additional cost per year.
- b. Incremental benefits (e.g. reduced number of outages)

12. Assuming DEF decreased its lateral vegetation cycle from its current 5 year cycle to a 4 year cycle, please provide the following:

- a. Additional cost per year.
- b. Incremental benefits (e.g. reduced number of outages)

Please file all responses electronically no later than February 19, 2018 from the Commission's website at www.floridapsc.com, by selecting the **Clerk's Office** tab and **Electronic Filing Web Form**. Please contact me at wtaylor@psc.state.fl.us or at 850.413.6175 if you have any legal questions, or contact Emily Knoblauch for technical questions at eknoblau@psc.state.fl.us or at 850.413.6632.

Sincerely,

/s/Wesley Taylor

Wesley Taylor
Attorney

WDT/as

cc: Office of Commission Clerk
Office of Public Counsel (kelly.jr@leg.state.fl.us, sayler.erik@leg.state.fl.us)