

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: December 28, 2017
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Emily Knoblauch, Engineering Specialist, Division of Engineering *pk EK*
RE: Docket No. 20170215- EU - Review of electric utility hurricane preparedness and restoration actions.

Please file the "City of Winter Park - Letter dated 12/18/17, with attached response to Staff's Second Data Request," in the above mentioned docket file.

Thank you.

COMMISSIONERS:
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STATE OF FLORIDA



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

Public Service Commission

December 18, 2017

STAFF'S SECOND DATA REQUEST

via email

To:

Duke Energy Florida, LLC (Matthew.Bernier@duke-energy.com, dianne.triplett@duke-energy.com)
Florida Power & Light Company (ken.rubin@fpl.com, kevin.donaldson@fpl.com)
Florida Public Utilities Company (bkeating@gunster.com)
Gulf Power Company (jastone@southernco.com, rab@beggslane.com)
Tampa Electric Company (jbeasley@ausley.com)
Municipal Group (AZubaly@publicpower.com)
Lee County (dennie.hamilton@lcec.net)
Cooperative Group (mhershel@feca.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.

Underground Facilities

- For each year, please complete the following tables summarizing the number of miles of transmission and distribution underground facilities by county from 2006 through 2017.

Transmission			
Year			
County	Overhead to Underground	New Construction	Total Miles
N/A			

Winter Park does not own or Operate Transmission lines.

Distribution			
Year			
County	Overhead to Underground	New Construction	Total Miles
Orange	28.1	3.9	32.0

Forensic Data

2. For Hurricanes Hermine, Matthew, Irma, Maria, and Nate, please provide a complete copy of the utility's post-storm forensic review of damaged infrastructure. If a forensic review was not performed or not documented, please explain why.

Forensic review was not completed as the City is placing all lines underground and overhead lines will not be redesigned.

Coordination

3. For Hurricanes Hermine, Matthew, Irma, Maria, and Nate, please provide the name, frequency, and description of non-Emergency Operations Centers related coordination efforts with local governments before, during, and after restoration, including the following. Follow City of Winter Park Storm Preparation Manual

- a. Storm preparation: Finish existing jobs or make them safe to ride out the storm (72, 48, 24 hour checklist)
- b. Critical infrastructure: Check substation generators -fuel
- c. Tree trimming, planting or relocation of trees: (Before) trim danger trees, (After) trim damaged trees cut down toppled or leaning trees that cannot be stood up and supported
- d. Hardening and underground projects: Secure Substations, bring in or tie down looses objects
- e. Shared facilities: N/A
- f. Other: N/A

4. Please complete the following tables on county and state Emergency Operations Centers staffing for Hurricanes Hermine, Matthew, Irma, Maria, and Nate. **The City operates its own EOC and reports to Orange County EOC**

Staffing for County Emergency Operations Centers		
Number of Utility Personnel	Function	Total Man-Hours
N/A		

Staffing for State Emergency Operations Center		
Number of Utility Personnel	Function	Total Man-Hours
N/A		

Solar

5. Please provide the following information for utility interconnections with customer-owned solar generation that did not operate as designed and consistent with the tariff during the extreme weather events that occurred in 2015 through 2017.
- a. The number of failures. :0
 - b. A description of the cause or causes of such failures.
 - c. Possible failure remediation and associated cost.
 - d. Discuss whether the failures contributed to an increase or decrease in the utility's service restoration time and, if possible, provide an estimate of the duration impact.
 - e. Discuss whether the failures contributed to an increase or decrease in the utility's service restoration costs and, if possible, provide an estimate of the restoration cost impact.

6. Please provide the following information for utility interconnections with customer-owned solar generation that operated as designed and consistent with the tariff during the extreme weather events that occurred in 2015 through 2017. **No Impact**
 - a. Discuss whether these interconnections contributed to an increase or decrease in the utility's service restoration time and, if possible, provide an estimate of the duration impact.
 - b. Discuss whether these interconnections increased or decreased the utility's service restoration costs and, if possible, provide an estimate of the restoration cost impact.

7. Without compromising safety, are there changes to the utility's interconnection with customer-owned solar generation that would enable the customer's facilities to be energized by its solar generation should the utility be unable to provide electric service due to a future storm damaging utility infrastructure? **No Changes**
 - a. If yes, please provide the following information:
 - Please describe the suggested changes to the utility's interconnection.
 - If the utility is not pursuing the interconnection changes please explain why.

8. Without compromising safety, please describe potential changes to a customer's facilities that the customer can implement to enable the customer's facilities to be energized by its solar generation should the utility be unable to provide electric service due to a future storm event that damages utility infrastructure. Include in your response whether the utility makes it a practice to inform the customer of such options. **No Changes, customers can install PV systems at their discretion with City approval**

9. Without compromising safety, please describe any potential changes to rules or tariffs pertaining to utility interconnections with customer-owned solar generation that would enable the customer's facilities to be energized by its solar generation should the utility be unable to provide electric service due to a future storm event that damages utility infrastructure. **None**
10. Please provide the following information for utility interconnections with utility-scale solar generation that did not operate as designed during the extreme weather events that occurred in 2015 through 2017.
- a. The number of failures. **0**
 - b. A description of the cause or causes of such failures.
 - c. Possible failure remediation and associated cost.
 - d. Discuss whether the failures contributed to an increase or decrease in the utility's service restoration time and, if possible, provide an estimate of the duration impact.
 - e. Discuss whether the failures contributed to an increase or decrease in the utility's service restoration costs and, if possible, provide an estimate of the restoration cost impact.
11. Please provide the following information for utility interconnections with utility-scale solar generation that operated as designed during the extreme weather events that occurred in 2015 through 2017. **0**

- a. Discuss whether these interconnections contributed to an increase or decrease in the utility's service restoration time and, if possible, provide an estimate of the duration impact. **N/A**
- b. Discuss whether these interconnections increased or decreased the utility's service restoration costs and, if possible, provide an estimate of the restoration cost impact. **N/A**

Please file all responses electronically no later than January 18, 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)