



January 23, 2018

Florida Public Service Commission

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

To Whom It May Concern:

Attached you will find the City of Bartow's submittal for the 2018 Staff's Second Data Request for hurricane preparedness and restoration actions. The answers to the questions are incorporated into staff's attached letter.

Sincerely,

Brad Hiers

Brad Hiers
Interim Director of Electric Utilities

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STATE OF FLORIDA



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 KEITH C. HETRICK
 GENERAL COUNSEL
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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
Polk		New Subdivisions	20 miles distribution

Distribution			
Year			
County	Overhead to Underground	New Construction	Total Miles

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. **See attachment, IRMA Damage Assessment.**

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. **See answer below.**
 - a. Storm preparation
 - b. Critical infrastructure
 - c. Tree trimming, planting or relocation of trees
 - d. Hardening and underground projects
 - e. Shared facilities
 - f. **Other Bartow Electric Utility is owned and operated by the City of Bartow and communicates/coordinates regularly with every department within the City and the Polk County Emergency Operations Center (EOC) before, during, and after storm restoration.**

4. Please complete the following tables on county and state Emergency Operations Centers staffing for Hurricanes Hermine, Matthew, **Irma**, Maria, and Nate.

Staffing for County Emergency Operations Centers		
Number of Utility Personnel	Function	Total Man-Hours
One from Fire Dept.	Municipal Liason	30 Hours

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. **Does not apply for the City of Bartow. Our only solar generation is customer owned residential and commercial**
- a. The number of failures.
 - 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.
 - 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? **Does not apply; all Bartow solar generators are utility interactive and require the grid to be energized in order to generate power.**
 - 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.

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.
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.
 - 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.

- 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.

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)