



Matthew R. Bernier  
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Duke Energy Florida, LLC.

December 21, 2017

**VIA ELECTRONIC FILING**

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

Re: *Summary of Mulberry Cogen and Orange Cogen Event on December 12, 2017 and  
December 13, 2017; Undocketed*

Dear Ms. Stauffer:

Pursuant to Rule 25-17.086, Florida Administrative Code ("F.A.C."), "Periods During Which Purchases Are Not Required", Duke Energy Florida ("DEF") is providing notice to the Florida Public Service Commission that DEF restricted the output of the Mulberry Cogen facility on December 12, 2017 and December 13, 2017. The Mulberry Cogen facility is interconnected to the DEF transmission system at DEF's Mulberry Substation.

The event began at 1424 hours on December 12, 2017, when the North Bartow to Pebbledale (TEC) 230 kV transmission line tripped out of service and locked out. The North Bartow to South Eloise (TEC) 230 kV line and the North Bartow to Connersville (City of Bartow) 69 kV tap were already switched out of service for scheduled maintenance. As a result of the line trip in combination with the scheduled transmission line outages, the remaining local transmission system was insufficient to deliver the Mulberry Cogen output under first contingency conditions.

Prudent operating practice as well as NERC standards require that DEF mitigate first contingency overloads such as the one identified for this event on a pre-contingency basis. After executing contingency studies and identifying the constraining parameters, at 1448 hours DEF

contacted Mulberry Cogen and issued an operating instruction for the unit to remain off line until further notice. Mulberry Cogen was not allowed to come on line for their scheduled run time from 1600 hours to 2200 hours on December 12, 2017. At 0058 hours on December 13, 2017, DEF contacted Mulberry Cogen and notified them that the reliability issue had been resolved and the unit can resume normal operations.

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.

Respectfully,

*s/Matthew R. Bernier*

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Matthew R. Bernier

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