



**John T. Burnett**  
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PROGRESS ENERGY SERVICE COMPANY, LLC

December 9, 2008

**VIA ELECTRONIC FILING**

Ms. Ann Cole, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Summary of Mulberry Cogen Event on December 1, 2008; Undocketed

Dear Ms. Cole:

According to FPSC Rule 25-17.086, "Periods During Which Purchases are Not Required", Progress Energy Florida (PEF) is providing notice to the Florida Public Service Commission that PEF reduced the output of the Mulberry Cogen facility by 21 MW on 12/01/08 from 0944 hours until 1222 hours. The Mulberry Cogen facility is interconnected to the PEF transmission system at PEF's Mulberry substation. PEF took this action in its capacity as Transmission Operator in order to ensure the reliability of the transmission system and prevent equipment damage.

The event began at 0720 hours on 12/01/08 when two 230 kV lines, North Bartow to South Eloise and North Bartow to Pebbledale, began a pre-arranged outage to replace damaged poles. These lines contribute significant transmission capacity for transporting the generated energy from the Mulberry Cogen facility.

With these lines out, the remaining three 69 kV lines are insufficient to carry all of the Mulberry Cogen's output under first contingency conditions. The loss of one of the remaining lines causes at least one of the two other lines to overload.

Prudent operating practice as well NERC standards require that PEF mitigate first contingency System Operating Limit Violations (SOLVs), such as the one for this event on a pre-contingency basis. After executing contingency studies and identifying the constraining parameters, at 0944 PEF contacted Mulberry Cogen and requested that the unit reduce output by 21 MW. After execution of the request, post contingency loading

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of the monitored elements (remaining lines) was reduced to acceptable values. At 1222 hours Mulberry came off line as scheduled. This eliminated the need to reduce the output of the unit and terminated the event.

Thank you for your assistance in this matter. Should you have any questions, please feel free to call me at (727) 820-5184.

Respectfully,

  
John T. Burnett

JTB/cas