

Marguerite McLean

From: Stright, Lisa [Lisa.Stright@pgnmail.com]
Sent: Thursday, November 03, 2011 9:32 AM
To: Filings@psc.state.fl.us
Cc: Burnett, John
Subject: E-Filing: Summary of Mulberry-Orange Cogen Event (Undocketed)
Attachments: Mulberry-Orange Cogen Event.pdf

This electronic filing is made by:

John T. Burnett
299 First Avenue North
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Undocketed

On Behalf of Progress Energy Florida, Inc.

Consisting of 2 Pages.

**The attached document for filing is PEF's
Notice to FPSC of the Mulberry & Orange
Cogeneration Event that took place on
10/31/11.**

Lisa Stright
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DOCUMENT NUMBER - DATE

08106 NOV-3 =

FPSC-COMMISSION CLERK

11/3/2011



November 3, 2011

VIA ELECTRONIC FILING

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

Re: Summary of Mulberry & Orange Cogeneration Event on October 31, 2011; Undocketed

Dear Ms. Cole:

Pursuant 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 and Orange Cogeneration facilities on 10/31/2011. The Mulberry and Orange Cogeneration facilities are interconnected to the PEF transmission system at PEF's Mulberry Substation and the Orange Switching substation, respectively.

The event began at 1059 hours on 10/31/2011 when the Homeland to Pembroke Tap 69 kV transmission line was forced out of service due to the failure of the "A" phase conductor. This transmission line contributes significant transmission capacity for transporting the output of the Mulberry and Orange Cogeneration facilities. With this line out, the remaining two 69 kV lines are insufficient to carry all of the Mulberry and Orange Cogeneration output under first contingency conditions. The loss of one of the remaining lines causes the other line to overload.

Prudent operating practices, 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 1114 PEF contacted Mulberry Cogeneration and requested that the unit reduce output by 16 MW. At 1136 hours PEF contacted Orange Cogeneration and requested that the unit reduce output by 66 MW. 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 MW amounts were discussed with both cogeneration facilities and, with their input, were determined to be the best way to achieve the total output reductions required. After execution of the requests, post-contingency loading of the monitored elements (remaining line) were reduced to acceptable levels.

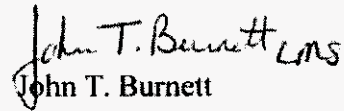
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At 1445 hours the load in the local area increased such that it eliminated the need to reduce the output of the Mulberry Cogeneration facility, and Mulberry Cogeneration facility was released to full load and their output reduction was terminated. At 1637 hours the fault on the 69 kV line Homeland to Pembroke Tap was cleared and the line was switched back in service. As a result, at 1642 hours Orange Cogeneration was released to full load and their output reduction was terminated.

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

Sincerely,

Handwritten signature of John T. Burnett in cursive, followed by the initials 'lms'.

John T. Burnett

JTB/lms