

Mulberry and Orange Cogen Event
September 11-15, 2017 due to Hurricane Irma

According to FPSC Rule 25-17.086, "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 and Orange Cogen facilities from 9/11/2017 to 9/15/2017 as described below. The Mulberry Cogen and Orange Cogen facilities are interconnected to the DEF transmission system at DEF's Mulberry Substation and at the Orange Switching substation respectively.

This event began at 1141 hours on 9/11/2017 when DEF denied permission for Mulberry Cogen to go to base load due to transmission system reliability issues related to Hurricane Irma. Hurricane Irma made landfall on the Florida Gulf Coast south of Naples Florida on Sunday 9/10/17 as a Category 3 hurricane, which then moved north through the DEF service area on Sunday 9/10/17 and Monday 9/11/17. During the passage of Hurricane Irma, DEF experienced an estimated 1.3 million customer outages as well as outages of approximately 114 transmission lines and 69 substations on the DEF system. The restoration of the DEF transmission system proceeded during the week of September 11-15, 2017.

During this restoration period, DEF experienced a number of reliability issues and transmission constraints due to storm related facility outages. When these reliability issues affected the status of the Mulberry and Orange cogen facilities, DEF issued directives to these facilities for reliability purposes. After executing contingency studies and identifying the constraining parameters DEF issued directives to Mulberry Cogen to come off-line at 1415 hours on 9/11/17, and remain off-line on 9/12/17 and 9/14/17. DEF issued directives to Orange Cogen to remain off-line on 9/13/17 and 9/15/17. As of 9/16/17 restoration of the DEF transmission system eliminated the need to limit the output of Mulberry Cogen and Orange Cogen.