

FERC and NERC Release

Task Force Report on Southwest Outages

Recommendations and Next Steps

OC Meeting
October 18, 2011

Extreme Cold Weather Event in the Southwest

- NERC/FERC made recommendations as a result of the February 2011 cold weather event in the Southwest U.S.
- PJM and members to proactively explore these recommendations to help prevent similar issues in our region

Direct Consideration for PJM

- **Require accurate ambient temperature limit data from generators (8)**
 - PJM and members continue discussions related to the importance of accurate data as input into system analysis processes and SSR
- **Improve communications (21)**
 - Are there areas that members feel PJM can improve in the area of communication
 - Members can explore use of satellite phones and GETS cards to help prioritize calls under emergency conditions

Specific To Southwest

- **Review and modify load management protocols (22)**
 - PJM is developing a year-round demand response program to be implemented in the 2015 timeframe
 - Under emergency conditions PJM will (and has) explored use of demand response outside summer timeframe

Direct Consideration for PJM and Members

- **Test fuel switching capabilities (6)**
 - Is dual fuel switching tested as part of yearly generator processes

Direct Consideration for PJM Members (Generation Owners)

- **Design generator plants to operate at lowest temperature (12)**
 - New generators and renewable resources should consider extreme temperature as part of design and output criteria

2. **Avoidance of feeders or lines reserved for under-frequency load shedding (UFLS) requirements** - All transmission providers interviewed indicated that UFLS blocks are not generally included as available feeders for manual load shedding under their load shed procedures. However, one transmission provider discovered during the February 2 load shed event that **some lines designated as available for manual load shed were also designated for UFLS**. Except for this one overlap in blocks, the transmission providers interviewed were able to fully meet their load-shedding obligations while maintaining the required 25 percent of load reserved for UFLS.
 - Transmission Owners should review loads associated with manual load shed and under-frequency load shed to ensure critical loads are not included
 - PJM Manual 13 Attachment F List the overlap MW:
 1. Maximum Manual Load Shedding Capability
 2. Overlap of Load Shedding and Under Frequency Loads

