FERC and NERC Release

Task Force Report on Southwest Outages
Recommendations and Next Steps

OC Meeting

November 2011

Direct Consideration for PJM

- Require accurate ambient temperature limit data from generators (8)
  - Members are reminded of importance of accurate input data for use in modeling and analysis of pending and real-time system conditions.
- Improve communications (21)
  - **SOS action item** – feedback was requested in advance of 11/14 Joint meeting on ways PJM can improve communications during emergency situations. This feedback to be incorporated into Spring 2012 Emergency Procedures Drills.

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 T.O.s

- 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.*

- **SOS-T Action Item** - Transmission Owners were asked on 11/14 to review loads associated with manual load shed and under-frequency load shed to ensure critical loads are not included and to report findings back to SOS-T in December.

Direct Consideration for G.O.s

- Design generator plants to operate at lowest temperature (12)
  - Manual 14D language was added in 2009 to address cold weather packages in renewable resources
  - PJM I.C. engineers verified that ambient temperature data points were supplied by all current and future wind turbines

Manual 14D, Section 8.2.1 Initial Data Requirements

The Wind Farms are required to provide the following data points for each turbine as part of their initial set up so they can be properly modeled within the Wind Power Forecasting Tool.

- Ambient Temperature Operating Limits and information regarding installation of cold weather packages to increase thermal limit capabilities during extreme cold weather.

Direct Consideration for G.O.s

- Test fuel switching capabilities (6)