Operations Working Group Report

December, 2014

The Operations Working Group (OWG) met on November 19, 2014 and considered the following:

**OWG Meeting Notes Review –**

The working group reviewed and approved the October 2014 meeting notes with one minor change.

**Revision Request Review –**

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| **135NOGRR Smiley.png** |
| **Constraint Management During Energy Emergency Alerts** |
| Language Review |
| **OWG Action**: OWG Recommend for IASmiley.png |
| Discussion:  This Nodal Operating Guide Revision Request (NOGRR) seeks to improve management of congestion during an Energy Emergency Alert (EEA) by proposing:   * Language that provides a mechanism for ERCOT Operations to manage constraints in EEA 2 or 3 to higher Facility ratings when applicable for those constraints identified as limiting generation output; and   Language that reconsiders use of double-circuit contingencies during emergency operations based on Grid conditions [ERCOT] **Language review: recommended approval as amended by the 11/18/14 CenterPoint comments. Will return with IA.** |
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| **136NOGRR Smiley.png** |
| **Verifying QSE Capability to Operate in CFC** |
| Language Review |
| **OWG Action**: OWG Recommend to ROSSmiley.png |
| This Nodal Operating Guide Revision Request (NOGRR) establishes a process for ERCOT to conduct Constant Frequency Control (CFC) tests to ensure that Qualified Scheduling Entities (QSEs) can provide this service if ERCOT loses its ability to control system frequency; and removes the CFC definition from the Nodal Operating Guide due to the definition being incorporated into the Protocols via associated NPRR646. [ERCOT] Language Review. **IA Review: OWG was in consensus to endorse and forward to ROS the 10/22/14 OWG Report and IA.** |
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| **138NOGRR Smiley.png** |
| **Delete Grey Box for Reporting of Back-up Control Plan Submittal** |
| Language Review |
| **OWG Action**: OWG TabledSmiley.png |
| This Nodal Operating Guide Revision Request (NOGRR) proposes the discontinuation of the posting requirement for Discontinue Backup Control Plan Submittal Results, ERCOT Market Information List (EMIL) ID, NP8-510M and Backup Control Plan Test Dates and Results Summary Reports, EMIL ID NP8-922-M.  **Language review: no action, remains tabled. OWG did review NPRR657, and took no action on this NOGRR to allow time for PRS to recommend approval of NPRR657** |
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| **139NOGRR Smiley.png** |
| **Under/Over-Frequency Relaying Requirements** |
| Language Review |
| **OWG Action**: OWG TabledSmiley.png |
| This Nodal Operating Guide Revision Request (NOGRR) adds over-frequency relaying requirements and clarifies under-frequency and over-frequency relay set-points so that Generation Resources know what is expected.  Over-frequency relay set points criteria was approved by NERC in March 2014 under Standard PRC-024, Generator Frequency and Voltage Protective Relay Settings. **Language review: No action, remains tabled. ERCOT and Market Participants would like additional time to review and possibly submit changes/comments** |

* **141NOGRR Administrative Changes for December 1, 2014.** This administrative NOGRR updates the ERCOT Load Shed Table. **Reviewed the administrative changes.**
* **657NPRR Discontinue Backup Control Plan Submittal Results, Dispatch Instructions Compliance Metrics, and Backup Control Plan Test Dates and Results Summary Reports.** This NPRR proposes the discontinuation of the posting requirement for Discontinue Backup Control Plan Submittal Results, Dispatch Instructions Compliance Metrics, ERCOT Market Information List (EMIL) ID, NP8-510M and Backup Control Plan Test Dates and Results Summary Reports, EMIL ID NP8-922-M.  [MISUG]. These reports have never been posted as the language remains grey boxed. **OWG is filling comments endorsing NPRR657.**

**Operations Report –**

* Reviewed the October report. A separate report will be presented on the Valley Load Shed event that occurred on 10/08/14, will have it at the next ROS meeting.
* Frank requested that Bill Blevins be at next meeting to discuss oscillation issues in Panhandle.

**Operations Task Force Report**

* No items on this month’s agenda.

**Seminar Task Force Report**

* Stacy Wozny with ERCOT gave update; speaker line up was changed some. CEH will be 15 if going to Generators break out session and 16 for Transmission break out session. Market Notice will be going out next week. Facility in Lakeway will be great and food will be awesome.

**Texas RE Update Report**

* David Penney with Texas RE gave update, Out for ballot - TPL-007 and PRC-019 and PRC -024. SPS definition has been approved and going to NERC Broad; SPS will now be called RAS. All references to SPS will be removed; will need to update operating guides. With PRC-002, will need to look at PMU locations

**System Operations Report**

* Next procedure updates will be 12/15/14; references to West to North will be removed since the IROL will be eliminated on 12/1/14.

**Operations Training Working Group**

* Kelly Blackmer with ERCOT gave update, Chair is James Stone and vice chair is Steve Rainwater. Winter Storm drill will be in 2015 and Hurricane drill will be in 2016. Working on ERCOT fundamentals re-write and then will re-write the exams

**Other –**

* Frank pointed out the meeting schedule for next year.
* For 2015, OWG elected John Warren as Chair and Matt Carter as Vice Chair.
* Julie Thomas, Chair of the MIS User Group discussed NOGRR084 which is the Daily Grid Report. Julie provided a spreadsheet with changes being proposed with the data elements, it shows what the difference is between the original NOGRR and what is being suggested now. ERCOT will submit a NOGRR to try and move this forward.
* Eithar, Chair of Voltage Reduced Task Force gave presentation on voltage reduction. Voltage reduction is done in EEA 2 which is optional for TOs. Four TOs participated in the testing both winter and summer to determine how much reduction benefit provides. The final report can be found on the ROS meeting page under the September 4, 2014 meeting. Highlights below:
  + For the designated areas, independently chosen by each utility, included in voltage reduction testing, a 1% to 2% average demand reduction was observed during the test periods.
  + Tests indicated that for every 1% drop in substation bus voltage an average of 0.6-1.0% drop in demand was observed.
  + Results were similar to what has been observed in areas outside of ERCOT (e.g. New York ISO, New England ISO, Midwest ISO, PJM RTO, and Independent Electricity System Operator “Ontario”).
  + Advancements in substation regulation controls and the installation of Advanced Metering Systems have the potential to improve voltage reduction programs.
  + The availability of a deployed control system enables the remote implementation of voltage reduction schemes on a large scale within 5 to 15 minutes.
  + The efficiency of voltage reduction is dependent upon circuit topography, load characteristics and system design.
  + No adverse customer impact was reported as a result of the voltage reduction testing (circuits deemed to have adverse customer impacts were excluded from testing).
* Eithar will be sending a questionnaire to the OWG group so that he can get an idea of what is will take and cost to increase participation in voltage reduction in EEA 2.
* Stephen Solis with ERCOT presented a voltage workshop concept with a draft agenda if the group thought there would be benefit. The group definitely wanted the workshop and thought it should be 1 ½ to 2 days. Stephen asked for a few TO to present their issues. January or February would be a good time to schedule the workshop.

**Future Meeting Dates –**

* Wednesday December 17th ERCOT Met Center room 168.