**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting**

ERCOT Austin / 7620 Metro Center Drive / Austin, Texas 78744

**Thursday, July 11, 2019 / 9:30 a.m.**

[**http://ercot.webex.com**](http://ercot.webex.com)

Meeting Number: 625 593 307

Meeting Password: ROS

Teleconference: 1.877.668.4493

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| 1. | Antitrust Admonition | K. Bunch | 9:30 a.m. |
| 2. | Agenda Review | K. Bunch |  |
| 3. | **Approval of ROS Meeting Minutes (Vote)** | K. Bunch | 9:35 a.m. |
|  | * **May 2, 2019** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | K. Bunch | 9:40 a.m. |
|  | * Reliability considerations regarding Outage Activity Related to Operating Condition Notice (OCN) |  |  |
| 5. | ERCOT Reports |  | 9:55 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | J. Billo |  |
|  | * Unannounced Constant Frequency Control (CFC) Testing | S. Sharma |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | K. Bunch | 10:15 a.m. |
|  | * **SCR800, Addition of DC Tie Ramp to GTBD Calculation** |  |  |
|  | * **NPRR937, Distribution Voltage Level Block Load Transfer (BLT) Deployment** |  |  |
| 7. | **ROS Revision Requests (Vote)** | K. Bunch | 10:35 a.m. |
|  | *Language Review* |  |  |
|  | * **NOGRR190, Related to NPRR937, Distribution Voltage Level Block Load Transfer (BLT) Deployment** |  |  |
|  | * **NOGR191, Related to NPRR939, Modification to Load Resources Providing RRS to Maintain Minimum PRC on Generators During Scarcity Conditions** |  |  |
|  | * **PGRR071, Update Interconnection Process Timetables to Align with NPRR926** |  |  |
|  | * **PGRR072, Treatment of Generation Resource Retirement and Mothball in Regional Transmission Plan and Geomagnetic Disturbance Vulnerability Assessment** |  |  |
|  | *Impact Analysis Review* |  |  |
|  | * **NOGRR187, Related to NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve** |  |  |
|  | Lunch |  | 11:15 a.m. |
| 8. | Performance Disturbance Compliance Working Group (PDCWG) | C. Mulholland | 12:30 p.m. |
|  | * NPRR919, Exemption from Governor Primary Frequency Response Control for Certain Resources in Private Use Networks (PDCWG) |  |  |
|  | * NOGRR184, Related to NPRR919, Exemption from Governor Primary Frequency Response Control for Certain Resources in Private Use Networks (PDCWG) |  |  |
|  | * Evaluating and Improving ERCOT’s Dynamic Frequency Response Model Task Force/Subgroup (Possible Vote) |  |  |
| 9. | Dynamics Working Group (DWG) | C. Minchew | 12:50 p.m. |
| 10. | Operations Working Group (OWG) | R. Floyd | 1:00 p.m. |
|  | * NPRR849, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI (OWG/VPWG) (Possible Vote) |  |  |
|  | * NOGRR183, Remedial Action Scheme (RAS) Submittal and Review Requirements (PLWG/OWG) (Possible Vote) |  |  |
| 11. | Planning Geomagnetic Disturbance Task Force (PGDTF) | A. Amahatsion | 1:30 p.m. |
| 12. | Steady State Working Group (SSWG) | B. Hithersay | 1:35 p.m. |
| 13. | Dynamics Working Group (DWG) | C. Minchew | 1:45 p.m. |
| 14. | Operations Training Working Group (OTWG) | T. Chilton | 1:55 p.m. |
| 15. | Voltage Profile Working Group (VPWG) | M. Lewis | 2:00 p.m. |
| 16. | Black Start Working Group (BSWG) | T. Kroskey | 2:05 p.m. |
| 17. | Other Business | K. Bunch | 2:15 p.m. |
|  | * Energy Storage Workshop Update | W. Lasher |  |
|  | * Inverter-Based Resource Workshop Update | F. Huang |  |
|  | * Review Open Action Items |  |  |
|  | * No Report: |  |  |
|  | * + Planning Working Group (PLWG) |  |  |
|  | * + Network Data Support Working Group (NDSWG) |  |  |
|  | * + System Protection Working Group (SPWG) |  |  |
|  | Adjourn | K. Bunch | 2:45p.m. |
|  | Future ROS Meetings |  |  |
|  | * August 8, 2019 |  |  |
|  | * September 5, 2019 |  |  |

| Open Action Items | Responsible | Assigned |
| --- | --- | --- |
| SCT Directive 9: Ancillary Services; Issues related to study of frequency overshoot and LRs UFR setting | DWG |  |
| ERCOT Nodal ICCP Communication Handbook – update to include review of what is binding and what is nonbinding, consider what is in reference material, OBD and Operating Guide, and then figure out repository | NDSWG | 05/022019  04/04/2019 |
| SCT Directive 4: Development of Methodology for Outage Coordination | OWG | 01/10/2019 |
| SCT Directive 9: Ancillary Services; Margin between min RRS Procurement & Contingency Reserve Requirements | OWG/PDCWG |  |
| Develop problem statements for the issues NPRR849 is attempting to resolve, develop options for ROS consideration. Provide a recommendation regarding if those issues would be best resolved in one or multiple NPRRs. Identify consensus items vs non-consensus. And if not, present those issues. | OWG | 02/07/2019 |
| SCT Directive 9: Ancillary Services; Address issues related to NSRS and Regulation Service | PDCWG |  |
| BAL-001-TRE Standard Workshop Items | PDCWG |  |
| Review issues of showing “0” on HSL reporting and consider NPRR919 and NOGRR919 together. | PDCWG | 02/07/2019 |
| SCT Directive 3: Determination of Ramp Rate Restrictions | PDCWG | 03/07/2019 |
| Create a ROS-approved methodology for developing list(s) of equipment potentially removed from service as a result of a protection system operation or misoperation due to harmonics that could result from benchmark or supplemental GMD events. This update is due to language changes in PGRR070, to not create an OBD.  Develop Other Binding Document (OBD) Assessing GMD Effects on Power Systems related to PGRR070, Revised Responsibilities for Performing Geomagnetic Disturbance (GMD) Vulnerability Assessments | PGDTF | 05/02/2019  04/04/2019 |