**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting – by WebEx Only**

**Thursday, July 9, 2020 / 9:30 a.m.**

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

Meeting Number: 126 460 5321

Meeting Password: ROS

Teleconference: 1.877.668.4493

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  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. |
|  | * **June 4, 2020**
 |  |  |
|  4.  | Technical Advisory Committee (TAC) Update | K. Bunch | 9:40 a.m. |
|  5. | **2020 ROS Goals (Vote)** | K. Bunch |  |
|  6. | ERCOT Reports |  |  9:45 a.m.  |
|  | * Operations Report
 | ERCOT Staff |  |
|  | * System Planning Report
 | P. Yan |   |
|  | * West to Central Texas Generic Transmission Constraint (GTC) Update
 | P. Gnanam |   |
|  | * West Texas Export Stability Assessment Report
 | J. Schmall |  |
|  | * Inverter-Based Resources Follow Up Update
 | F. Huang |  |
|  7.  | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | K. Bunch |  10:25 a.m. |
|  | * **NPRR1001, Clarification of Definitions of Operating Condition Notice, Advisory, Watch, Emergency Notice, and Related Clarifications**
 |  |  |
|  8. | Revision Requests Tabled at PRS, Referred to ROS (Possible Vote) | K. Bunch | 10:40 a.m.  |
|  | * NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols
 |  |  |
|  9. | **ROS Revision Requests (Vote)**  | K. Bunch  | 10:50 a.m.  |
|  | ***Impact Analysis Review***  |  |  |
|  | * **PGRR076, Improvements to Generation Resource Interconnection or Change Request (GINR) Process**
 |  |  |
|  | * **NOGRR195, Generator Voltage Control Tolerance Band**
 |  |  |
|  | * **NOGRR208, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions**
 |  |  |
|  | * **RRGRR023, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions**
 |  |  |
|  | * **NOGRR209, Related to NPRR1003, Elimination of References to Resource Asset Registration Form**
 |  |  |
|  | * **RRGRR024, Related to NPRR1003, Elimination of References to Resource Asset Registration Form**
 |  |  |
|  | * **PGRR079, Related to NPRR1003, Elimination of References to Resource Asset Registration Form**
 |  |  |
|  | * **NOGRR212, Related to NPRR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)**
 |  |  |
|  | * **RRGRR026, Related to NPRR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)**
 |  |  |
|  | ***Language Review*** |  |  |
|  | * **NOGRR215, Limit Use of Remedial Action Schemes**
 |  |  |
|  | * **PGRR081, Related to NPRR1026, BESTF-7 Self-Limiting Facilities and Self-Limiting Resources**
 |  |  |
|  10. | Revision Requests Tabled at ROS (Possible Vote) | K. Bunch | 11:10 a.m.  |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions
 |  |  |
|  | * PGRR077, DC Tie Planning Assumptions
 |  |  |
|  | * NOGRR199, Related to NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols
 |  |  |
|  | * NOGRR207, Related to NPRR1001, Clarification of Definitions of Operating Condition Notice, Advisory, Watch, Emergency Notice, and Related Clarifications
 |  |  |
|  | * NOGRR210, Related to NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB)
 |  |  |
|  | * RRGRR025, Related to NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB)
 |  |  |
|  | * NOGRR211, RTC – NOG 2 and 9: System Operations and Control Requirements and Monitoring Programs
 |  |  |
|  11. | Planning Geomagnetic Disturbance Task Force (PGDTF) | A. Kandah | 11:30 a.m. |
|  | * NOGRR214, Geomagnetic Disturbance (GMD) Measurement Data Reporting (Possible Vote)
 |  |  |
|  12. | Steady State Working Group (SSWG) | N. Khan | 11:45 a.m. |
|  | * **SSWG Procedure Manual (Vote)**
 |  |  |
|  13.  | Dynamic Working Group (DWG) | R. Egunjobi | 11:55 a.m. |
|  14. | Operations Working Group (OWG) | R. Floyd | 12:05 p.m. |
|  15.  | Network Data Support Working Group (NDSWG ) | J. Yatar | 12:15 p.m. |
|  16. | Performance Disturbance Compliance Working Group (PDCWG) | C. Mulholland | 12:25 p.m. |
|  17. | Planning Working Group (PLWG) | T. Cook | 12:35 p.m. |
|  18. | Other Business | K. Bunch  |  12:45 p.m.  |
|  | * Review Open Action Items
 |   |  |
|  | * No Report:
 |  |  |
|  | * + Black Start Working Group (BSWG)
 |  |  |
|  | * + Operations Training Group (OTWG)
 |  |  |
|  | * + System Protection Working Group (SPWG)
 |  |  |
|  | * + Voltage Profile Working Group (VPWG)
 |  |  |
|  |  |  |  |
|  | Adjourn | K. Bunch  | 1:00 p.m.  |
|  | Future ROS Meetings |  |  |
|  | * August 6, 2020
 |  |  |
|  | * September 3, 2020
 |  |  |

| Open Action Items | Responsible  | Assigned  |
| --- | --- | --- |
| Inverter-Based Resource Issue 3, Voltage Ride through  | DWG | 07/11/2019 |
| Inverter-Based Resource Issue 4, Dynamic Models | DWG | 07/11/2019 |
| 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 | 05/02/201904/04/2019 |
| TAC Assignment: Reliability considerations regarding Outage Activity Related to Operating Condition Notice (OCN) | OWG review Operating Guides to confirm consistent after WMS/WMWG review the issues | 07/11/2019 |
| Evaluating and improving ERCOT’s Dynamic Frequency Response Model  | PDCWG | 07/11/2019 |
| *Southern Cross Directives* SCT Directive 3: Determination of Ramp Rate RestrictionsDirective 9, Ancillary Services* Issues related to study of frequency overshoot and LRs UFR setting
* Margin between min RRS Procurement & Contingency Reserve Requirements

Address issues related to NSRS and Regulation Service | ROS PDCWGDWGOWG/PDCWGPDCWG | 03/07/2019 |
| TAC Assignment: Summer Assessment Items* Switchable Generation Resources (SWGRs) with Exelon items 3/5/2020 ROS Information Session OWG reported TAC/ROS/OWG assignment completed – Pending is ROS Leadership need to report to TAC at next in person meeting then remove
* Emergency Response Service (ERS)

3/5/2020 ROS Information Session OWG reported TAC/ROS/OWG assignment completed – Pending is ROS Leadership need to report to TAC at next in person meeting then remove* Process for Summer demand response study (RMS,WMS then ROS)
* Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released
 | ROSROSROS PDCWG | 12/05/2019  |
| Develop Methodology for ESR and below studies as requested by Battery Energy Storage Task Force (BESTF) * Outage Coordination Studies – OWG
* Operational Studies – PLWG/OWG
* Transmission Planning Studies – PLWG/OWG
 | OWG/PLWG | 03/05/2020 |