**Agenda**

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

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

**Thursday, May 3, 2018 / 9:30 a.m.**

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

Meeting Number: 624 587 653

Meeting Password: ROS

Teleconference: 1.877.668.4493

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| 1. | Antitrust Admonition | A. Bern |  9:30 a.m. |
| 2. | Agenda Review | A. Bern |   |
| 3.  | **Approval of ROS Meeting Minutes (Vote)*** April 5, 2018
 | A. Bern |  |
| 4. | Texas RE Assessment of Reliability Performance | M. Henry | 9:35 a.m. |
| 5. | ERCOT Updates |  | 9:55 a.m. |
|  | * Operations Report
 | N. Mago |   |
|  | * System Planning Report
 | J. Billo |  |
| 6. | PSCAD Analysis – Follow Up Discussion | J. Billo | 10:00 a.m. |
| 7. | New PRS Referrals*No referrals from April 12, 2018 PRS* |  |  |
| 8. | ROS Revision Requests* New – Language Review
	+ **PGRR063, Transmission Interconnection Study (Vote)**
	+ **PGRR064, Transmission Dynamic Element Model Verification (Vote)**
* Impact Analysis *(none)*
 |  | 10:20 a.m. |
| 9. | LBNL’s Frequency Response Study for NERC | J. Eto/J. Undrill/E. Lim/S. Niemeyer | 10:30 a.m. |
|  | * Q & A
 |  | 11:30 a.m. |
| 10. | South Texas SSR | J. Billo | 12:00 p.m. |
|  | \*\*\*LUNCH\*\*\* |  | 12:30 p.m. |
| 11. | Voltage Profile Working Group | S. Gurrala | 1:45 p.m. |
| 12. | Performance Disturbance Compliance Working Group* **NPRR863**, Creation of Primary Frequency Response Service Product and Revisions to Responsive Reserve (Possible Vote)
 | P. Galliguez | 1:50 p.m. |
| 13. | Operations Working Group* **OWG Leadership Change (Vote)**
* **NPRR849**, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI (OWG/VPWG) (Possible Vote)
* **NOGRR174**, AVR and PSS Testing Requirements (Possible Vote)
* **NOGRR177**, Related to NPRR857, Creation of Direct Current Tie Operator Market Participant Role (Possible Vote)
* **NOGRR178**, Clarification of Automatic Under-Frequency Load Shed Requirement (Possible Vote)
 | R. Gillean | 2:05 p.m. |
| 14. | Planning Working Group* **NPRR866**, Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model (PLWG) (Possible Vote)
* **PGRR061**, Related to NPRR866 Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model (PLWG/OWG) (Possible Vote)
* **RRGRR017**, Related to NPRR866 Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model (PLWG) (Possible Vote)
* **PGRR062**, Updates to GINR Process (Possible Vote)
 | B. Myers | 2:20 p.m. |
| 15. | Outage Coordination Working Group | M. Henson | 2:35 p.m. |
|  | * **HITE List Methodology (Vote)**
 |  |  |
| 16. | Steady State Working Group | W. Jablonski |  2:50 p.m. |
| 17. | Planning Geomagnetic Disturbance Task Force | D. Preas | 2:55 p.m.  |
| 18. | Network Data Support Working Group | T. Kroskey | 3:00 p.m. |
| 19. | Black Start Working Group | E. Pierce | 3:05 p.m. |
| 20. | Operations Training Working Group | J. Aldridge | 3:10 p.m. |
| 21. | Other Business | A. Bern |  3:15 p.m. |
|  | * Outage Scheduling Restrictions for Summer 2018
 | D. Woodfin |  |
|  | * Southern Cross Dashboard Update
 | M. Mereness |  |
|  | * Review Open Action Items
 |  |  |
|  | * No Report:
 |  |  |
|  | * + Dynamics Working Group
 |  |  |
|  | * + Dynamic Model Task Force
 |  |  |
|  | * + Resource Data Working Group
	+ System Protection Working Group
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|  |  |  |  |
|  | Adjourn | A. Bern |  |
|  | Future ROS Meetings |  |  |
|  | * June 7, 2018
 |  |  |
| **Open Action Items**  | **Responsible Party** |
| NOGRR177, Related to NPRR857, Creation of Direct Current Tie Operator Market Participant Role  | OWG |
| NOGRR178, Clarification of Automatic Under-Frequency Load Shed Requirement | OWG |
| DER Mapping | ROS |
| BAL-001-TRE Standard Workshop Items | PDCWG |
| NPRR849, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI | OWG/VPWG |
| ~~NPRR851, Procedure for Managing Disconnections for Bidirectional Electrical Connections~~ | ~~OWG~~ |
| NPRR863, Creation of Primary Frequency Response Service Product and Revisions to Responsive Reserve | PDCWG |
| NPRR866, Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model | PLWG |
| PGRR061, Related to NPRR866 Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model | PLWG/OWG |
| RRGRR017, Related to NPRR866 Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model | PLWG |
| PGRR062, Updates to GINR Process | PLWG |
| Clarification of Projects Associated with Direct Interconnection of New Generation | PLWG |
| ~~SCT Directive 5: Planning Model Considerations~~ | ~~PLWG~~ |
| ~~SCT Directive 8: Frequency Response and Voltage Support; (Primary Frequency Response Study)~~ | ~~PDCWG~~ |
| SCT Directive 9: Ancillary Services; Issues related to MSSC and Margin between min RRS Procurement & Contingency Reserve Requirements | PDCWG/OWG |
| SCT Directive 9: Ancillary Services; Address issues related to NSRS and Regulation Service | PDCWG |
| SCT Directive 9: Ancillary Services; Issues related to study of frequency overshoot and LRs UFR setting | DWG |