**AGENDA**

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

**ERCOT Austin – 8000 Metropolis Drive (Building E), Suite 100– Austin, Texas 78744**

Thursday, April 4, 2024 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2555 765 1490

Password: mVPK#52

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|  | Validation for ROS Standing Representatives | Suzy Clifton |  9:15 a.m.  |
|   1. | Antitrust Admonition | Suzy Clifton  |  9:30 a.m. |
|  2.  | Agenda Review | Katie Rich |  |
|  3.  | Approval of ROS Meeting Minutes (Possible Vote)  | Katie Rich |  |
|  | * March 7, 2024
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|  4.  | Technical Advisory Committee (TAC) Update | Katie Rich |  |
|  5. | ERCOT Reports |  |  9:45 a.m.  |
|  | * Operations Report
 | Alex Lee |  |
|  | * System Planning Report
 | Ping Yan  |  |
|  | * April 8, 2024, Eclipse Update
 | Riaz Khan/Luke Butler |  |
|  | * Discuss potential changes to ERCOT Contingency Reserve Service (ECRS) Deployment/Release Triggers for Summer 2024
 | Nitika Mago / Luis Hinojosa |  |
|   | * NPRR1224, ECRS Manual Deployment Triggers (Possible Vote)
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|  6.  | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** |  |  10:25 a.m.  |
|  | * **NPRR1217, Remove Verbal Dispatch Instruction (VDI) Requirement for Deployment and Recall of Load Resources and Emergency Response Service (ERS) Resources**
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|  7. | **ROS Revision Requests (Vote)** | Katie Rich |  10:40 a.m. |
|  | ***Impact Analysis***  |  |   |
|  | * **PGRR112, Dynamic Data Model and Full Interconnection Study (FIS) Deadline for Quarterly Stability Assessment**
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|  | * **PGRR114, Related to NPRR1212, Clarification of Distribution Service Provider’s Obligation to Provide an ESI ID**
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|  | ***Language Review*** |  |  |
|  | * **NOGRR262, Provisions for Operator-Controlled Manual Load Shed**
 |  |  |
|  8. | NPRR1221, Related to NOGRR262, Provisions for Operator-Controlled Manual Load Shed (Possible Vote) | Fred Huang |  11:05 a.m.  |
|  | Break |  |  11:20 a.m. |
|  9. | Revision Requests Tabled at ROS (Possible Vote) | Katie Rich |  11:35 a.m.  |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions
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|  | * RRGRR036, Related to NPRR1191, Registration, Interconnection, and Operation of Customers with Large Loads; Information Required of Customers with Loads 25 MW or Greater
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|  | * NOGRR256, Related to NPRR1191, Registration, Interconnection, and Operation of Customers with Large Loads; Information Required of Customers with Loads 25 MW or Greater
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|  | * PGRR111, Related to NPRR1191, Registration, Interconnection, and Operation of Customers with Large Loads; Information Required of Customers with Loads 25 MW or Greater
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|  10.  | Operations Working Group (OWG)  | Rickey Floyd |  11:35 a.m.  |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG, PLWG) (Possible Vote)
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|  | * NPRR1198, Congestion Mitigation Using Topology Reconfigurations (OWG, NDSWG) (Possible Vote)
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|  | * NOGRR258, Related to NPRR1198, Congestion Mitigation Using Topology Reconfigurations (OWG, NDSWG) (Possible Vote)
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|  11.  | Planning Working Group (PLWG) | Dylan Preas  |  11:50 a.m.  |
|  | * PGRR107, Related to NPRR1180, Inclusion of Forecasted Load in Planning Analyses (PLWG) (Possible Vote)
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|  | * PGRR113, Related to NPRR1198, Congestion Mitigation Using Topology Reconfigurations (PLWG) (Possible Vote)
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|  12.  | Steady State Working Group (SSWG) | William Robertson  |  12:05 p.m.  |
|  | * PGRR106, Clarify Projects Included in Transmission Project Information and Tracking (TPIT) Report (SSWG) (Possible Vote)
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|  13.  | Inverter Based Resources Working Group (IBRWG)  | Julia Matevosyan  |  12:20 p.m.  |
|  14.  | System Protection Working Group (SPWG) | Mark McChesney  |  12:35 p.m. |
|  | * **SPWG Procedures (Vote)**
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|  15.  | **Combo Ballot (Vote)** | Katie Rich |  12:45 p.m. |
|  16. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson |  12:50 p.m. |
|  17. | Other Business | Katie Rich |  1:00 p.m.  |
|  | * Review Open Action Items List
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|  | * No Report
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|  | * Black Start Working Group (BSWG)
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|  | * Dynamics Working Group (DWG)
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|  | * Network Data Support Working Group (NDSWG)
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|  | * Operations Training Working Group (OTWG)
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|  | * Voltage Profile Working Group (VPWG)
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|  | Adjourn | Katie Rich |  1:10 p.m.  |
|  | Future ROS Meetings |  |  |
|  | * May 2, 2024 – Webex Only
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|  | * June 6, 2024
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| Open Action Items | Responsible  | Notes | Assigned  |
| Develop guidance and recommendations for adjusting transmission reclosing and sectionalizing schemes that would significantly improve the IBR ride through probability and be reasonable to accomplish. Examples to look at would be no reclosing on 3 phase faults and adding current sensing directional intelligence on sectionalizing schemes to reduce number of times system is hit with faults. | IBRWGSPWG |  | 03/07/2023 |
| Outline and develop computer-based training material for Next Start Resources and all other generators that would not normally attend Black Start training.  This computer-based training material is intended to increase knowledge and understanding of responsibilities for Black Start situations and, frequency and voltage actions in all situations. | OTWG |  | 03/07/2024 |
| 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 repositoryUpdate: effort restarted and being reviewed next few meetings  | NDSWG | ROS leadership has asked NDSWG leadership for update. Aug 2022 NDSWG meeting appears to be last action on this item since update on 04/01/2021 | 11/02/202304/01/2021 Update05/02/201904/04/2019 |
| Summer Assessment Item: Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released | PDCWG | ROS leadership asking PDCWG leadership for update. See Nov 2019 TAC meeting for background, and Dec 2019 ROS for initial referral to PDCWG | 12/05/2019 |
| PGRR113, Related to NPRR1198, Congestion Mitigation Using Topology Reconfigurations | SSWG  | PLWG supports ROS recommending approval of PGRR113 as submitted, and recommending ROS ask the Steady State Working Group (SSWG) to update the procedure manual to clarify that Extended Action Plan (EAP) topology reconfigurations would be removed from SSWG cases. PGRR still tabled awaiting potential action on NPRR1198;. Ms. Rich requested SSWG review the issues | 01/08/24  |
| TAC Assignment: Review impacts of existing and proposed EPA regulations on the ERCOT market and the reliability of the ERCOT grid and the future Resource mixPreviously was CSAPR NOx Season Allowance Issues  | ROS/WMS  | Update: Discussed impact Dec 2022 RUC in terms of current Real-Time, course to be decided upon regarding impact on Texas and should be revisited upon decisions made.Update: Revise as amended by TAC at the 10/24/23 TAC meeting. This item may need to be left open for some time to allow for more clarity on what final EPA emission regulation rules look like. Coordinate with WMS leadership | 02/01/20241/02/202301/05/2023 |
| TAC Assignment: Calculating Loads/Load Shedding in Real-Time (related to NOGRR243). Awaiting TOs to meet and PUCT rulemaking – for concepts to be brought forward for ROS review.  | ROS  | Update: ERCOT and stakeholders are evaluating load shed obligation calculation methodologies via NOGRR26 at the LFLTF. ROS will keep this action item tabled for further review following resolution of the load obligation policy discussions occurring via NOGRR256. | 11/02/202301/05/2023 |
| TAC Assignment: September 6, 2023 EEA2 Event – review what occurred, improvements that can be made including: EEA threshold/trigger, PRC calculations, relaxation of constraints during EEA, CMPs before EEAs, management of HDL overrides | ROS |  | 09/26/2023 |

**PARKING LOT ITEMS:**

**(for awareness)**

| Parking Lot Items | Responsible  | Notes | Assigned  |
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| TAC Assignment: Remaining KTCs from Battery Energy Storage Task Force (BESTF)* KTC 15-5 Black Start Service
* KTC 15-6 RMR and MRA Services

(9/7/23 ROS Meeting - assignment from PLWG to ROS, based on 3/2/23 ROS meeting/PLWG report, and updated review that this item is broader than PLWG, Multiple WGs so remain at ROS) KTC 15-9 Governor Dead-band Telemetry as a Concept  | ROSBSWGROS PDCWG/DWG |  | 04/29/202104/29/202109/07/202304/29/2021 |