**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting – Webex Only**

Thursday, December 5, 2024 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2557 100 2418

Password: CAmt#63

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|  | Validation for ROS Standing Representatives | ERCOT Staff | 9:15 a.m. |
| 1. | Antitrust Admonition | Katie Rich | 9:30 a.m. |
| 2. | Agenda Review | Katie Rich |  |
| 3. | Technical Advisory Committee (TAC) Update | Katie Rich |  |
| 4. | ERCOT Reports |  | 9:35 a.m. |
|  | * Operations Report | Alex Lee |  |
|  | * System Planning Report | Ping Yan |  |
| 5. | **ROS Revision Requests (Vote)** | Katie Rich | 9:45 a.m. |
|  | ***Impact Analysis*** |  |  |
|  | * **PGRR117, Addition of Resiliency Assessment and Criteria to Reflect PUCT Rule Changes** |  |  |
|  | ***Language Review*** |  |  |
|  | * **NOGRR272, Advanced Grid Support Requirements for Inverter-Based ESRs** |  |  |
|  | * **PGRR121, Related to NOGRR272, Advanced Grid Support Requirements for Inverter-Based ESRs** |  |  |
|  | * **PGRR122, Reliability Performance Criteria for Loss of Loa**d |  |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Katie Rich | 10:05 a.m. |
|  | * **NPRR1257, Limit on Amount of RRS a Resource can Provide Using Primary Frequency Response** |  |  |
| 7. | Revision Requests Tabled at PRS and Referred to ROS (Possible Vote) | Katie Rich | 10:20 a.m. |
|  | * NPRR1229, Real-Time Constraint Management Plan Energy Payment |  |  |
| 8. | Revision Requests Tabled at ROS (Possible Vote) | Katie Rich | 10:20 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
| 9. | Operations Working Group (OWG) | Rickey Floyd | 10:20 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG, PLWG) (Possible Vote) |  |  |
|  | * NPRR1238, Voluntary Registration of Loads with Curtailable Load Capabilities (OWG) (Possible Vote) |  |  |
|  | * NOGRR265, Related to NPRR1238, Voluntary Registration of Loads with Curtailable Load Capabilities (OWG) (Possible Vote) |  |  |
| 10. | Planning Working Group (PLWG) | Dylan Preas | 10:35 a.m. |
|  | * PGRR115, Related to NPRR1234, Interconnection Requirements for Large Loads and Modeling Standards for Loads 25 MW or Greater (PLWG) (Possible Vote) |  |  |
|  | * PGRR119, Stability Constraint Modeling Assumptions in the Regional Transmission Plan (PLWG) (Possible Vote) |  |  |
|  | * PGRR120, SSO Prevention for Generator Interconnection (PLWG) (DWG) (Possible Vote) |  |  |
|  | Break |  | 10:50 a.m. |
| 11. | Performance, Disturbance, Compliance Working Group (PDCWG) | Kevin Bunch | 11:00 a.m. |
|  | * NOGRR271, Related to NPRR1257, Limit on Amount of RRS a Resource can Provide Using Primary Frequency Response (Possible Vote) |  |  |
| 12. | Network Data Support Working Group (NDSWG) | Gerardo Escamilla | 11:05 a.m. |
|  | * NPRR1234, Interconnection Requirements for Large Loads and Modeling Standards for Loads 25 MW or Greater (NDSWG) (Possible Vote) |  |  |
| 13. | **Combo Ballot (Vote)** | Katie Rich | 11:10 a.m. |
| 14. | Voltage Profile Working Group (VPWG) | Maribel Khayat | 11:15a.m. |
| 15. | Inverter Based Resources Working Group (IBRWG) | Julia Matevosyan | 11:25 a.m. |
| 16. | System Protection Working Group (SPWG) | Mark McChesney | 11:45 a.m. |
| 17. | Steady State Working Group (SSWG) | William Robertson | 11:55 a.m. |
| 18. | Other Business | Katie Rich | 12:05 p.m. |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Black Start Working Group (BSWG) |  |  |
|  | * Dynamics Working Group (DWG) |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | Adjourn | Katie Rich | 12:10 p.m. |
|  | Future ROS Meetings |  |  |
|  | * January 9, 2025 |  |  |
|  | * February 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. | IBRWG  SPWG |  | 03/07/2023 |
| 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  Update: effort restarted and being reviewed next few meetings | NDSWG | Update: Leadership started reviewing at 4/16/24 NDSWG meetings  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 | 05/02/2024  11/02/2023  04/01/2021 Update  05/02/2019  04/04/2019 |
| 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 |
| Align the use of the terms “load” and “Load” in the Planning Guide with the defined term in Protocol Section 2. | PLWG | PLWG leadership brought forward challenges in this action item, noting that no one committed to take up. Ms. Rich confirmed the scope is limited to the Planning Guide. ERCOT Staff committed to review the issues, but due to the significant effort, are unable to commit to a timeline for a holistic approach. Participants discussed and were in consensus that ERCOT Staff efforts to review term alignment in RRs moving forward as a more appropriate solution to the issues. | 10/03/2024  09/09/2024 |
| 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 mix  Previously 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 | 02/01/2024  1/02/2023  01/05/2023 |
| 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. | 11/02/2023  01/05/2023 |
| 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 | ROS  BSWG  ROS  PDCWG/  DWG |  | 04/29/2021  04/29/2021  09/07/2023  04/29/2021 |