**AGENDA**

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

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

Thursday, June 8, 2023 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2562 574 4776

Password: Kmx#39R

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|  | Validation for ROS Standing Representatives | Suzy Clifton | 9:15 a.m. |
| 1. | Antitrust Admonition | Katie Rich | 9:30 a.m. |
| 2. | Agenda Review | Katie Rich |  |
| 3. | Approval of ROS Meeting Minutes (Possible Vote) | Katie Rich |  |
|  | * May 4, 2023 |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Katie Rich | 9:35 a.m. |
| 5. | ERCOT Reports |  | 9:40 a.m. |
|  | * Operations Report | Alex Lee |  |
|  | * System Planning Report | Ping Yan |  |
| 6. | **ROS Revision Requests (Vote)** | Katie Rich | 9:55 a.m. |
|  | ***Impact Analysis*** |  |  |
|  | * **NOGRR215, Limit Use of Remedial Action Schemes** |  |  |
|  | * **NOGRR230, WAN Participant Security** |  |  |
|  | * **NOGRR251, Add Cold Weather Conditions to Template for Emergency Operations Plan** |  |  |
|  | * **PGRR103, Establish Time Limit for Generator Commissioning Following Approval to Synchronize** |  |  |
|  | ***Language Review*** |  |  |
|  | * **NOGRR252, Related to NPRR1176, Update to EEA Trigger Levels** |  |  |
|  | * **PGRR107, Related to NPRR1180, Inclusion of Forecasted Load in Planning Analyses** |  |  |
|  | * **PGRR108, Related to NPRR1183, ECEII Definition Clarification and Updates to Posting Rules for Certain Documents without ECEII** |  |  |
| 7. | Revision Requests Tabled at ROS (Possible Vote) | Katie Rich | 10:35 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * PGRR105, Deliverability Criteria for DC Tie Imports |  |  |
|  | Break |  | 10:35 a.m. |
| 8. | Operations Working Group (OWG) | Rickey Floyd | 10:45 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
|  | * NOGRR245, Inverter-Based Resource (IBR) Ride-Through Requirements (OWG, DWG, IBRTF) (Possible Vote) |  |  |
|  | * NOGRR247, Change UFLS Stages and Load Relief Amounts (OWG, DWG, PDCWG, SPWG) (Possible Vote) |  |  |
|  | * NOGRR249, Communication of System Operating Limit Exceedances (OWG) (Possible Vote) |  |  |
|  | * NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding (OWG) (Possible Vote) |  |  |
|  | * NOGRR250, Related to NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding (OWG) (Possible Vote) |  |  |
|  | * RRGRR035, Related to NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding (OWG) (Possible Vote) |  |  |
| 9. | Inverter Based Resources Task Force (IBRTF) | Mohammad Albaijat | 11:15 a.m. |
| 10. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 11:30 a.m. |
| 11. | Steady State Working Group (SSWG) | Joshua Wichers | 11:40 a.m. |
|  | * PGRR106, Clarify Projects Included in Transmission Project Information and Tracking (TPIT) Report (SSWG) (Possible Vote) |  |  |
| 12. | System Protection Working Group (SPWG) | Jon Snellgrove | 11:55 a.m. |
|  | * NPRR1164, Black Start and Isochronous Control Capable Identification (NDSWG) (SPWG) (Possible Vote) |  |  |
|  | * RRGRR033, Related to NPRR1164, Black Start and Isochronous Control Capable Identification (NDSWG) (SPWG) (Possible Vote) |  |  |
| 13. | Network Data Support Working Group (NDSWG) | Aniruddha Khedlekar | 12:10 p.m. |
| 14. | **Combo ballot (Vote)** | Katie Rich | 12:15 p.m. |
| 15. | Voltage Profile Working Group (VPWG) | Maribel Khayat | 12:20 p.m. |
| 16. | Other Business | Katie Rich | 12:30 p.m. |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Black Start Working Group (BSWG) |  |  |
|  | * Dynamics Working Group (DWG) |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | * Planning Working Group (PLWG) |  |  |
|  | Adjourn | Katie Rich | 12:40 p.m. |
|  | Future ROS Meetings |  |  |
|  | * July 6, 2023 – Webex Only |  |  |
|  | * August 3, 2023 – Webex Only |  |  |

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| Open Action Items | Responsible | Assigned |
| Inverter-Based Resource Issue 3, Voltage Ride through | 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  Update: effort restarted and being reviewed next few meetings | NDSWG | 04/01/2021 Update  05/02/2019  04/04/2019 |
| Evaluating and improving ERCOT’s Dynamic Frequency Response Model | PDCWG | 07/11/2019 |
| Review the total amount of RRS and PFR that can come from Energy Storage Resources (ESRs), and with ERCOT determine if there will be any limits applied to ESRs so that Stakeholders can identify restrictions applicable to developing projects | PDCWG | 11/05/2020 |
| Summer Assessment Item: Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released | PDCWG | 01/06/2022 |
| ROS Assignments from 08/21/2020 Transmission for Generation Workshop:   * Joint Meeting with OWG/CMWG * ERCOT requested stakeholders provide ideas on non-discriminatory criteria that could be used to allow a limited number of RASs and avoid ERCOT’s identified concerns * Stakeholders requested ERCOT provide historic information on RAS mis-operations and failures to operate | OWG | 09/03/2020 |
| TAC Assignment: Remaining KTCs from Battery Energy Storage Task Force (BESTF)   * KTC 15-5 Black Start Service * KTC 15-6 RMR and MRA Services * KTC 15-9 Governor Dead-band Telemetry as a Concept | ROS  BSWG  PLWG  PDCWG/DWG | 04/29/2021 |
| TAC Assignment: CSAPR NOx Season Allowance Issues | ROS/WMS | 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 | 01/05/2023 |