**AGENDA**

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

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

Thursday, January 5, 2023 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2557 119 6842

Password: FN#x327

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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. | Membership Introductions | Suzy Clifton |  |
| 3. | **Election of 2023 ROS Chair and Vice Chair (Vote)** | Suzy Clifton |  |
| 4. | Agenda Review | ROS Chair |  |
| 5 | **Approval of ROS Meeting Minutes (Vote)** | ROS Chair |  |
|  | * **December 1, 2022** |  |  |
| 6. | Technical Advisory Committee (TAC) Update | ROS Chair | 9:35 a.m. |
|  | * CSAPR NOx Season Allowance Discussion |  |  |
|  | * Calculating Loads/Load Shedding in Real-Time (related to NOGRR243) |  |  |
| 7. | ERCOT Reports |  | 9:45 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * ERCOT Update on Implementation of Amendments to PUC Rule 25.101 in Project No. 53403 | Ping Yan |  |
|  | * Operational issues related to Energy Storage Resources (ESRs) | Luis Hinojosa |  |
| 8. | **ROS Revision Requests (Vote)** | ROS Chair | 10:15 a.m. |
|  | ***Language Review*** |  |  |
|  | * **PGRR103, Establish Time Limit for Generator Commissioning Following Approval to Synchronize** |  |  |
| 9. | Revision Requests Tabled at ROS (Possible Vote) | ROS Chair | 10:30 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
|  | * NPRR1150, Related to NOGRR230, WAN Participant Security |  |  |
|  | Break |  | 10:45 a.m. |
| 10. | Operations Working Group (OWG) | Rickey Floyd | 10:55 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (OWG) (Possible Vote) |  |  |
| 11. | **Combo Ballot (Vote)** | ROS Chair | 11:05 a.m. |
| 12. | Inverter Based Resources Task Force (IBRTF) | Mohammad Albaijat | 11:10 a.m. |
| 13. | Network Data Support Working Group (NDSWG) | Kenesha King | 11:20 a.m. |
| 14. | Dynamics Working Group (DWG) | Zhenhua Wang | 11:30 a.m. |
| 15. | Black Start Working Group (BSWG) | Rutul Patel | 11:40 a.m. |
| 16. | Steady State Working Group (SSWG) | Ross Cloninger | 11:50 a.m. |
| 17. | Other Business | ROS Chair | 12:00 p.m. |
|  | * 2023 ROS Goals |  |  |
|  | * 2023 Working Group and Task Force Leadership |  |  |
|  | * NPRR1156, Priority Revision Request Process and NPRR1157, Incorporation of PUCT Approval into Revision Request |  |  |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | * Performance Disturbance Compliance Working Group (PDCWG) |  |  |
|  | * Planning Working Group (PLWG) |  |  |
|  | * System Protection Working Group (SPWG) |  |  |
|  | * Voltage Profile Working Group (VPWG) |  |  |
|  | Adjourn | ROS Chair | 12:10 p.m. |
|  | Future ROS Meetings |  |  |
|  | * February 2, 2023 |  |  |
|  | * March 2, 2023 |  |  |

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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 |
| Review potential reliability benefits associated with DC Ties and assess if planning criteria changes are needed to realize those benefits. Assignment includes consideration of 1/27/22 PUCT Open meeting discussion relating to the potential addition of interconnection and planning issues associated with DC Ties and lines to an upcoming PUCT rulemaking to implement Senate bill 1281. | PLWG | 02/07/2022 |
| 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 |