**APPROVED**

**Minutes of the Protocol Revision Subcommittee (PRS) Meeting**

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

 **Thursday, October 12, 2023 – 1:00 p.m.**

Attendance

*PRS Seated Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) | Via Teleconference |
| Coleman, Diana | CPS Energy |  |
| Goff, Eric | Residential Consumer  |  |
| Hanson, Kevin | National Grid Renewables (NG Renewables) | Via Teleconference |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Mindham, David | EDP Renewables  | Via Teleconference |
| Nguyen, Andy | Constellation Energy Generation (Constellation)  | Via Teleconference |
| Pfefferle, Ryan | Occidental Chemical (Occidental) | Alt. Rep. for Melissa Trevino |
| Pokharel, Nabaraj | Residential Consumer | Alt. Rep. for Eric Goff for NPRR1202 and project discussion on NPRR1058 only |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| Richmond, Tim | Chariot Energy | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
| Xie, Fei | Austin Energy | Via Teleconference |
|  |  |  |
| *Guests:* |  |  |
| Abbott, Kristin | Austin Energy | Via Teleconference |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Barati, Camron | Potomac Economics | Via Teleconference |
| Benson, Mariah | PUCT | Via Teleconference |
| Berry, D | LCRA | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |   |
| Brown, Chris | PUCT | Via Teleconference |
| Bruce, Mark | Cratylus Advisors | Via Teleconference |
| Carvalho, Raphael | Omega  | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Cooksey, Matthew | OPUC | Via Teleconference |
| Cortez, Sarai | Trailstone | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Curtin, Jim | Grid Monitor | Via Teleconference |
| Desrosiers, Erik | New Grid Inc | Via Teleconference |
| Dreyfus, Mark | City of Eastland |  |
| Freifeld, Allen | C Power Energy Management | Via Teleconference |
| Ghoshal, Orijit | esVolta | Via Teleconference |
| Goff, Eric | Lancium for NPRR1202; Telsa for project discussion on NPRR1058 |  |
| Grimsley, Shawn | Engie | Via Teleconference |
| Haley, Ian | Morgan Stanley |   |
| Harvey, Julia | Texas-Electric Cooperatives | Via Teleconference |
| Helton, Bob | Engie North America (Engie) | Via Teleconference |
| Hinkson, David | CPS Energy | Via Teleconference |
| Hohenshilt, Jennifer | Talen Energy | Via Teleconference |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | TIEC |   |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Ingraham, Deborah | Acciona | Via Teleconference |
| Jewell, Michael | Jewell and Associates | Via Teleconference |
| Kee, David | CPS Energy | Via Teleconference |
| Keefer, Andrew | Denton Municipal Electric | Via Teleconference |
| Kilroy, Taylor | TPPA | Via Teleconference |
| Kirby, Brandon | GEUS | Via Teleconference |
| Koz, Brian | Wolframium Power | Via Teleconference |
| Lacek, Mollie | Talen Energy | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McIntyre, Ken | Plus Power | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Mickey, Joel | Broad Reach Power | Via Teleconference |
| Miller, Alexandra | EDFR | Via Teleconference |
| Mindham, David | EDP Renewables | Via Teleconference |
| Morris, Jake | Broad Reach Power | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Nicholson, Tyler | PUCT | Via Teleconference |
| Noyes, Theresa | LCRA | Via Teleconference |
| Okenfuss, James | SENA | Via Teleconference |
| Pallarez, Edward | Electronic Transmission Texas | Via Teleconference |
| Petäjäsoja, Ida | Stem | Via Teleconference |
| Pyka, Greg | Schneider Engineering | Via Teleconference |
| Reedy, Steve | CIM View Consulting |  |
| Reed, Cyrus | Sierra Club |  |
| Reimers, Andrew | Lancium | Via Teleconference |
| Richmond, Michele | TCPA | Via Teleconference |
| Ritch, Katie | Golden Spread Electric Cooperative | Via Teleconference |
| Ruiz, Pablo | New Grid Inc. | Via Teleconference |
| Scott, Kathy | CNP |   |
| Sersen, Juliana | Baker Botts | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Snyder, Bill | AEP | Via Teleconference |
| Stafford, Will | GSEC | Via Teleconference |
| Trefny, Floyd | Steel Mills | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Turner, Lucas | STEC | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Walker, Mark | Mathews & Freeland LLP |  |
| Watson, Mark |  | Via Teleconference |
| White, Lauri | AEP Texas | Via Teleconference |
| Wittmeyer, Bob | Broad Reach Power  |   |
| Wu, Tiffany | PUCT | Via Teleconference |
| Zang, Hailing | TC Energy | Via Teleconference |
| Zhang, Wen | Potomac Economics | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |   |
| Anderson, Troy |  |  |
| Angele, Leo |  | Via Teleconference |
| Arth, Matt |  |   |
| Ayson, Janice |  | Via Teleconference |
| Billo, Jeff |  |  |
| Benavides, Marcos |  | Via Teleconference |
| Boren, Ann |  |  |
| Castillo, Leo |  | Via Teleconference |
| Chen, Jian |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dashnyam, Sanchir |  | Via Teleconference |
| Dwyer, Davida |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Gross, Katherine |  | Via Teleconference |
| Hailu, Ted |  | Via Teleconference |
| Hanson, Pamela |  |  |
| King, Ryan |  | Via Teleconference |
| Lofton, Amy |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Miller, Megan |  | Via Teleconference |
| Moorty, Sai |  | Via Teleconference |
| Ögelman, Kenan |  |  |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Sanchez, Daniel |  | Via Teleconference |
| Shanks, Maggie |  | Via Teleconference |
| Shaw, Pamela |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Springer, Agee |  | Via Teleconference |
| Stevens, Jim |  | Via Teleconference |
| Teixeira, Jay |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Wasik-Gutierrez, Erin |  | Via Teleconference |
| You, Haibo |  | Via Teleconference |
| Zapanta, Zaldy |  | Via Teleconference |
|  |  |  |

*Unless otherwise indicated, all Market Segments participated in the votes.*

Martha Henson called the October 12, 2023 PRS meeting to order at 1:00 p.m.

Antitrust Admonition

Ms. Henson directed attention to the Antitrust Admonition, which was displayed.

Technical Advisory Committee (TAC) Update

Ms. Henson reviewed the disposition of items considered at the September 26, 2023 TAC meeting.

Project Update (see Key Documents)[[1]](#footnote-2)

Troy Anderson provided project highlights, presented the roadmap of 2023 through 2026 major projects, and summarized 2023 and 2024 release targets. Mr. Anderson reviewed additional project status information, highlighted Market Participant Identity Management (MPIM) and Multi-Factor Authentication (MFA) project discussions, responded to Market Participant questions and concerns, and presented the priority and rank options for Revision Requests requiring a project.

Urgency Vote(s) (See Key Documents)

*Nodal Protocol Revision Request (NPRR) 1202, Refundable Deposits for Large Load Interconnection Studies*

Eric Goff provided an overview of NPRR1202 and noted that in consideration of the 10/11/23 ERCOT comments, 10/11/23 Steel Mill comments and the potential for additional clarifications, the request for Urgent status was withdrawn. Floyd Trefny reviewed the 10/11/23 Steel Mill comments to NPRR1202. Market Participants reviewed 10/11/23 ERCOT comments to NPRR1202, discussed the magnitude and timing of the proposed fees, and acknowledged the need for continued discussion at the Large Flexible Load Task Force (LFLTF).

**Jim Lee moved to table NPRR1202. Diana Coleman seconded the motion. The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1203, Implementation of Dispatchable Reliability Reserve Service*

Jeff Billo summarized the request for Urgent status, provided an overview of NPRR1203, and noted the concepts were discussed at the July 27, 2023 Dispatchable Reliability Reserve Service (DRRS) workshop. John Russ Hubbard reviewed the 10/9/23 TIEC comments to NPRR1203. Cyrus Reed reviewed the 10/11/23 Sierra Club comments to NPRR1203. Kenan Ögelman reviewed the 10/12/23 ERCOT comments to NPRR1203. Market Participants discussed the 10/11/23 ERCOT comments as an acceptable formal commitment to development of a longer-term solution for DRRS as a standalone Ancillary Service outside of NPRR1203’s short-term solution, offered administrative clarifications to NPRR1203, and reviewed the 9/27/23 Impact Analysis and appropriate priority and rank for NPRR1203. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1204, Considerations of State of Charge with Real-Time Co-Optimization Implementation (Waive Notice)*

**Mr. Reed moved to waive notice for NPRR1204. John Varnell seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Tenaska) Market Segment.** *(Please see ballot posted with Key Documents.)*

Dave Maggio summarized the request for Urgent status, provided an overview of NPRR1204, and summarized discussion of the concepts at the October 5, 2023 Real-Time Co-optimization plus Batteries Task Force (RTCBTF) meeting. In response to Market Participants questions and concerns, Cory Phillips reviewed the Revision Request timeline. PRS took no action on this item.

Review PRS Reports, Impact Analyses, and Prioritization (see Key Documents)

*NPRR1172, Fuel Adder Definition, Mitigated Offer Caps, and RUC Clawback*

Ino Gonzalez summarized the 10/04/23 ERCOT comments to NPRR1172. Market Participants offered clarifications to restore revisions to Section 4.4.9.4.1 Mitigated Offer Cap, and reviewed the 10/11/23 Impact Analysis and appropriate priority and rank for NPRR1172. Some Market Participants continued to disagree with the assertion that NPRR1172 will incentivize Resources to self-commit in Real-Time when not committed in the Day-Ahead Market (DAM).

**Mr. Goff moved to endorse and forward to TAC the 9/13/23 PRS Report as amended by the 10/4/23 ERCOT comments as revised by PRS and the 10/11/23 Impact Analysis for NPRR1172 with a recommended priority of 2024 and rank of 4070 for Phase 2. Mark Dreyfus seconded the motion. The motion carried with three objections from the Cooperative (2) (GSEC, STEC) and Independent Generator (Constellation) Market Segments and two abstentions from the IPM (Tenaska) and Municipal (GEUS) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1192, Move OBD to Section 22 – Requirements for Aggregate Load Resource Participation in the ERCOT Markets*

*NPRR1193, Related to SMOGRR027, Move OBD to Settlement Metering Operating Guide – EPS Metering Design Proposal*

*NPRR1196, Correction of NCLR Ancillary Service Failed Quantity Calculations under NPRR1149*

Ms. Henson noted that NPRR1192, NPRR1193, and NPRR1196 could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Revision Requests Tabled at PRS (see Key Documents)

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1162, Single Agent Designation for a QSE and its Sub-QSEs for Voice Communications over the ERCOT WAN*

*NPRR1170, Capturing Natural Gas Delivery Information for Natural Gas Generation Resources*

*NPRR1179, Fuel Purchase Requirements for Resources Submitting RUC Fuel Costs*

*NPRR1180, Inclusion of Forecasted Load in Planning Analyses*

*NPRR1188, Implement Nodal Dispatch and Energy Settlement for Controllable Load Resources*

*NPRR1190, High Dispatch Limit Override Provision for Increased NOIE Load Costs*

*NPRR1191, Registration, Interconnection, and Operation of Customers with Large Loads; Information Required of Customers with Loads 25 MW or Greater*

*NPRR1194, Wholesale Storage Load Auxiliary Netting*

*NPRR1195, Resource Entity Metering Facilities Maintenance*

PRS took no action on these items.

*NPRR1181, Submission of Seasonal Coal and Lignite Inventory Declaration*

Market Participants reviewed the 9/19/23 Luminant comments and 11/11/23 WMS comments to NPRR1181. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*System Change Request (SCR) 825, ERCOT Voice Communications Aggregation*

Market Participants noted the Wholesale Market Subcommittee (WMS) endorsement of SCR825 and the desire to trigger development of an Impact Analysis for SCR825 to better assess its viability. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Review of Revision Request Language (see Key Documents)

*NPRR1197, Energy Storage Resource (ESR) Non-Charging Load(s) Optional Exclusion from EPS Netting Arrangement*

Bob Helton provided an overview of NPRR1197. Market Participants reviewed the 10/11/23 WMS comments and, noting the desire for continued discussion of NPRR1176 at the Metering Working Group (MWG), requested further review of the issues at WMS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1198, Congestion Mitigation Using Topology Reconfigurations*

Ms. Henson summarized NPRR1198 and Nodal Operating Guide Revision Request (NOGRR) 258, Related to NPRR1198, Congestion Mitigation Using Topology Reconfigurations, discussion at the October 5, 2023 Reliability and Operations Subcommittee (ROS) meeting. Market Participants discussed limiting the scope of the issues for efficiencies, and requested ROS review modeling and operational impacts of implementing NPRR1198 and WMS review the transparency issues and impacts related to NPRR1198. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1199, Implementation of Lone Star Infrastructure Protection Act (LSIPA) Requirements*

Doug Fohn provided an overview of NPRR1199, summarized discussion at the September 13, 2023 PRS meeting, and encouraged Market Participants to attend the October 24, 2023 NPRR1199 Workshop. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1200, Utilization of Calculated Values for Non-WSL for ESRs*

Market Participants reviewed NPRR1200 and requested further review of the issues at the MWG. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1201, Limitations on Resettlement Timeline and Default Uplift Exposure Adjustments*

Mr. Gonzalez provided an overview of NPRR1201. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

This item was considered with Urgent Status.

*NPRR1203, Implementation of Dispatchable Reliability Reserve Service*

This item was considered with Urgent Status.

*SCR826, ERCOT.com Enhancements*

Mr. Goff provided an overview of SCR826. Amy Lofton reviewed the 10/6/23 ERCOT comments to SCR826. Market Participants discussed the need for timely and substantive stakeholder feedback on public-facing dashboards, and whether the requests should be made via SCRs. Market Participants agreed to table SCR826 for continued discussions with ERCOT Staff. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*SCR827, Grid Conditions Graph Addition for Operating Reserve Demand Curve (ORDC) Level*

Roy True provided an overview of SCR827 and the reviewed the 10/10/23 ACES comments. Ms. Lofton reviewed the 10/9/23 ERCOT comments to SCR827. Market Participants again discussed the need for timely and substantive stakeholder feedback on public-facing dashboards and whether the requests should be made via SCRs, and agreed to table SCR827 for continued discussions with ERCOT Staff. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**Ms. Coleman moved to approve the Combined Ballot as follows:**

* **To grant NPRR1203 Urgent status; to recommend approval of NPRR1203 as amended by the 10/12/23 ERCOT comments as revised by PRS; and to forward to TAC NPRR1203 and the 9/27/23 Impact Analysis with a recommended priority of 2023 and rank of 370**
* **To endorse and forward to TAC the 9/13/23 PRS Report and 9/12/23 Revised Impact Analysis for NPRR1192**
* **To endorse and forward to TAC the 9/13/23 PRS Report and 8/9/23 Impact Analysis for NPRR1193**
* **To endorse and forward to TAC the 9/13/23 PRS Report and 8/24/23 Impact Analysis for NPRR1196**
* **To recommend approval of NPRR1181 as amended by the 9/19/23 Luminant comments**
* **To recommend approval of SCR825 as submitted**
* **To table NPRR1197 and refer the issue to WMS**
* **To table NPRR1198 and refer the issue to ROS and WMS**
* **To table NPRR1199**
* **To table NPRR1200 and refer the issue to WMS**
* **To recommend approval of NPRR1201 as submitted**
* **To table SCR826**
* **To table SCR827**

**Mr. Varnell seconded the motion. The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson encouraged Market Participants to attend the October 13, 2023 TAC Subcommittee Structural review at 1:30 p.m.

*2024 ERCOT Membership/Segment Representative Elections*

Suzy Clifton reminded Market Participants that the Membership record date is Friday, November 17, 2023, noted Membership Services email Market Notice M-C100923-01 General, ERCOT Membership Application for 2024 Membership Year Now Available Online was sent October 9, 2023, and stated that 2024 Segment Representative Elections for TAC and Subcommittees would begin the week after the record date.

*December 14, 2023 PRS meeting*

Ms. Henson noted that in consideration of the December 14, 2023 Public Utility Commission of Texas (PUCT) open meeting, the December 14, 2023 PRS meeting would begin at 1:00 p.m. or be rescheduled to an alternate date.

Adjournment

Ms. Henson adjourned the October 12, 2023 PRS meeting at 3:28 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/10122023-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-2)