**APPROVED**

**Minutes of the Protocol Revision Subcommittee (PRS) Meeting – Webex Only**

**Thursday, December 15, 2023 – 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Carpenter, Jeremy | Tenaska Power Services (Tenaska) | Alt. Rep. for John Varnell |
| Coleman, Diana | CPS Energy |  |
| Goff, Eric | Residential Consumer |  |
| Hanson, Kevin | National Grid Renewables (NGR) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Mindham, David | EDP Renewables |  |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |  |
| Pfefferle, Ryan | Occidental Chemical (Occidental) | Alt. Rep. for Melissa Trevino |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) |  |
| Richmond, Tim | Chariot Energy |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) |  |
| Xie, Fei | Austin Energy |  |
|  |  |  |
| *Guests:* |  |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Anderson, Connor | AB Power Advisors |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Basaran, Harika | PUCT |  |
| Barati, Camron | Potomac Economics |  |
| Barr, Bill | LCRA |  |
| Batra-Shrader, Monica | Enchanted Rock |  |
| Benson, Mariah | PUCT |  |
| Berry, DJ | LCRA |  |
| Bertin, S | S. Bertin Consulting |  |
| Blackburn, Don | Hunt Energy Network Power Marketing |  |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |  |
| Bondurant, Chuck | PUCT |  |
| Bonskowski, Ned | Luminant Corporation |  |
| Brown, Chris | PUCT |  |
| Callender, Hudson | CPS Energy |  |
| Carpenter, Jeremy | Tenaska |  |
| Chavarria, Erik | Tenaska |  |
| Colaqo, Elibia | Serena |  |
| Collard, Brad | PEC |  |
| Cooksey, Matthew | OPUC |  |
| Conant, Portia | Yes Energy |  |
| Coultas, Ann | Enel Green Power NA (Enel) |  |
| Cotton, Ashley | GEUS |  |
| Dreyfus, Mark | City of Eastland |  |
| Detelich, David | CPS |  |
| Fleming, Jacqueline | Talen Energy |  |
| Freeland, Lauren | Hunton Andrews Kurth |  |
| Ghoshal, Orijit | esVolta |  |
| Hall, Matthew | Invenergy |  |
| Harriman, Chien Si | Eolian, LP (Eolian) |  |
| Harvey, Julia | Texas Electric Cooperatives |  |
| Heck, Prudence | Spearmint Energy |  |
| Helton, Bob | Engie North America (Engie) |  |
| Hohenshilt, Jennifer | Talen Energy |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | TIEC |  |
| Huynh, Thuy | Potomac Economics |  |
| Jewell, Michael | Jewell and Associates |  |
| Johnson, Shannon | PEC |  |
| Jones, Dan |  |  |
| Jones, Liz | Oncor |  |
| Kee, David | CPS Energy |  |
| Keller, Jenna | Potomac Economics |  |
| Kilroy, Taylor | TPPA |  |
| Kimbrough, Mandy | NRG |  |
| King, Robert | Good Company Associates |  |
| Koz, Brian | Wolframium Power |  |
| Lotter, Eric | Grid Monitor |  |
| McClellan, Suzi | Good Company Associates |  |
| Miller, Alexandra | EDFR |  |
| Mrini, Imane | Austin Energy |  |
| Musher, Danny | Key Capture Energy |  |
| Nicholson, Tyler | PUCT |  |
| Okenfuss, James | SENA |  |
| Orr, Robert | Lonestar Transmission |  |
| Oxendine, Helen | CPS |  |
| Petäjäsoja, Ida | Stem |  |
| Pietrucha, Doug | AEE |  |
| Pokharel, Nabaraj | Office of Public Utility Council (OPUC) |  |
| Pyka, Greg | Schneider Engineering |  |
| Ramaswamy, Ramya | PUCT |  |
| Reedy, Steve | CIM View Consulting |  |
| Riley, Owen | Spearmint Energy |  |
| Ryall, Jean |  |  |
| Sersen, Juliana | Baker Botts |  |
| Shaffer, Jarred | Office of Texas Governor Greg Abbott |  |
| Smith, Caitlin | Jupiter Power |  |
| Thompson, Jason | Oci Solar |  |
| Tomaino, Christian | Tenaska |  |
| True, Roy | ACES |  |
| Urbantke, Tab | Hunton Andrews Kurth |  |
| Uy, Manny | Hunt Energy |  |
| Walker, Floyd | PUCT |  |
| White, Lauri | AEP Texas |  |
| Winder, Peter | Good Company Associates |  |
| Winn, Aaron | 174 Power Global |  |
| Withrow, David | AEP |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Wyman, Constance McDaniel |  |  |
| Yu, Allen | Spearmint Energy |  |
| Zhang, Bryan | Potomac Economics |  |
| Zhang, Mandy | GEUS |  |
| Zhang, Wen | Potomac Economics |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Azeredo, Chris |  |  |
| Billo, Jeff |  |  |
| Bigbee, Nathan |  |  |
| Boren, Ann |  |  |
| Carswell, Cory |  |  |
| Chen, Jian |  |  |
| Clifton, Suzy |  |  |
| Dashnyam, Sanchir |  |  |
| Devadhas Mohanadhas, Thinesh |  |  |
| Dwyer, Davida |  |  |
| El-Madhoun, Mohamed |  |  |
| Fohn, Doug |  |  |
| Garcia, Freddy |  |  |
| Gonzalez, Ino |  |  |
| Gross, Katherine |  |  |
| Hailu, Ted |  |  |
| Hanson, Pamela |  |  |
| Heinrich, Holly |  |  |
| King, Ryan |  |  |
| Lightener, Debbie |  |  |
| McGuire, Josh |  |  |
| Magarinos, Marcelo |  |  |
| Maggio, Dave |  |  |
| Matlock, Robert |  |  |
| Opheim, Calvin |  |  |
| Phillips, Cory |  |  |
| Rainwater, Kim |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Shanks, Maggie |  |  |
| Shaw, Pamela |  |  |
| Stevens, Jim |  |  |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Troublefield, Jordan |  |  |
| You, Haibo |  |  |

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

Martha Henson called the December 15, 2023 PRS meeting to order at 9:30 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 December 4, 2023 TAC meeting.

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

Troy Anderson provided project highlights, summarized 2023 and 2024 release targets, reviewed additional project status information, and respondedto Participant questions and concerns. Mr. Anderson summarized the items discussed at the December 14, 2023 Technology Working Group (TWG) meeting.

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

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

Market Participants reviewed the 12/6/23 ERCOT comments to SCR825 and expressed support to table SCR825 awaiting the completion of the Impact Analysis. PRS took no action on this item.

Revision Requests Tabled at PRS (see Key Documents)

*Nodal Protocol Revision Request (NPRR), 956, 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*

*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*

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

*NPRR1198, Congestion Mitigation Using Topology Reconfigurations*

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

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

*NPRR1205, Revisions to Credit Qualification Requirements of Banks and Insurance Companies*

*SCR826, ERCOT.com Enhancements*

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

PRS took no action on these items.

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

Participants reviewed NPRR1170 and noted stakeholder and ERCOT collaboration to achieve NPRR1170 as amended by the 11/28/23 Joint Commenters comments. Diana Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

Participants reviewed NPRR1179, the 11/28/23 ERCOT comments, and the 12/8/23 WMS comments. Ino Gonzalez highlighted extensive NPRR1179 discussions at the Wholesale Market Subcommittee (WMS) and Resource Cost Working Group (RCWG) meetings. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1194, Wholesale Storage Load Auxiliary Netting*

Participants discussed NPRR1194 and recommended that PRS reject it, noting ERCOT and South Texas Electric Cooperative (STEC) may address their legal disagreement before the Public Utility Commission of Texas (PUCT).

**Bob Helton moved to reject NPRR1194. Kevin Hanson seconded the motion. The motion carried with one objection from the Cooperative (STEC) Market Segment, and two abstentions from the Independent Generator (Eolian and Constellation) Market Segment.** *(Please see ballot posted with Key Documents).*

*NPRR1195, Resource Entity Metering Facilities Maintenance*

Participants reviewed NPRR1195 and the 12/8/23 WMS comments. Ms. Coleman 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 reviewed NPRR1199, the 12/8/23 ERCOT comments, and potential next steps. Mandy Kimbrough reviewed the 12/8/23 Joint Commenters comments to NPRR1199. Ms. Henson reviewed the 12/11/23 Oncor comments to NPPRR1199. Participants requested NPRR1199 remain tabled for further discussion. Mr. Fohn reviewed the Revision Request timeline for consideration at the February TAC and ERCOT Board meetings, offered to continue discussions with stakeholders on potential solutions, and noted that ERCOT will request Urgent status for NPRR1199 at the January 11, 2024 PRS meeting. PRS took no action on this item.

*NPRR1206, Revisions to QSE Operations and Termination Requirements, and Elimination of Providing Certain Market Participant Principal Information*

Market Participants reviewed the 12/7/23 WMS comments to NPRR1206. Katherine Gross summarized the 12/14/23 ERCOT comments to NPRR1206 and noted administrative clarifications to NPRR1206. Participants expressed support for the proposed clarifications. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1209, Board Priority – State Of Charge Ancillary Service Failed Quantity Allocations under NPRR1149 – URGENT*

Dave Maggio reviewed NPRR1209, noted that feedback from participants at the November 30, 2023 Special PRS meeting on the calculation mechanics to derive Ancillary Service (AS) Failed Quantity charges due to insufficient State of Charge (SOC) led to additional internal discussions, and stated that ERCOT is proposing to use an integrated value methodology to calculate SOC. Ryan King presented an updated spreadsheet with specific working examples of the updated methodology. Jeff Billo responded to participants questions and concerns. Participants requested NPRR1209 remain tabled pending the outcome of NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring. Mr. Billo stated that the January 11, 2024 PRS meeting is before the January 18, 2024 PUCT Open Meeting and requested consideration of NPRR1209 at the January PRS meeting, noting that if action taken by the PUCT on NPRR1186 impacts NPRR1209, alternate solutions could be considered at the January 24, 2024 TAC meeting. Ms. Coleman stated that NPRR1209 would be considered at the January 11, 2024 PRS meeting. PRS took no action on this item.

Review of Revision Request Language (see Key Documents)

*NPRR1207, Incidental Disclosure of Protected Information and ECEII During ERCOT Control Room Tours*

Mr. Fohn presented NPRR1207. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1208, Creation of Invoice Report*

Bill Barnes provided an overview of NPRR1208. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1210, Next Start Resource Test and Load-Carrying Test Frequency*

Freddy Garcia provided an overview of NPRR1210. Participants discussed NPRR1210 and requested it be referred to the Reliability and Operations Subcommittee (ROS) and Black Start Working Group (BSWG). Mr. Garcia noted NPRR1210 will be discussed during the first open BSWG 2024 meeting, date to be determined. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1211, Move OBD to Section 22 – Methodology for Setting Maximum Shadow Prices for Network and Power Balance Constraints*

Participants reviewed NPRR1211. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1212, Clarification of Distribution Service Provider’s Obligation to Provide an ESI ID*

Randy Roberts summarized NPRR1212, and referenced the related Planning Guide Revision Request (PGRR) 114, tabled at the December 7, 2023 ROS meeting. Participants requested tabling for further discussion of mechanics and additional discussions at the Resource Integration Working Group (RIWG). Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1213, Allow DGRs and DESRs on Circuits Subject to Load Shed to Provide ECRS*

Monica Batra-Shrader summarized NPRR1213.  Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Mr. Barnes moved to approve the Combined Ballot as follows:**

* **To recommend approval of NPRR1170 as amended by the 11/28/23 Joint Commenters comments**
* **To recommend approval of NPRR1179 as amended by the 11/28/23 ERCOT comments; and to forward to TAC NPRR1179 and the 5/4/23 Impact Analysis**
* **To recommend approval of NPRR1195 as submitted**
* **To recommend approval of NPRR1206 as amended by the 12/14/23 ERCOT comments as revised by PRS**
* **To recommend approval of NPRR1207 as submitted**
* **To recommend approval of NPRR1208 as submitted**
* **To table NPRR1210 and refer the issue to ROS**
* **To recommend approval of NPRR1211 as submitted**
* **To table NPRR1212**
* **To recommend approval of NPRR1213 as submitted**

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

Other Business

There was no other business.

Adjournment

Ms. Coleman adjourned the December 15, 2023 PRS meeting at 12:56 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/12152023-PRS-Meeting-_-Webex> unless otherwise noted [↑](#footnote-ref-2)