**APPROVED**

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

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

**Thursday, November 9, 2023 – 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Coleman, Diana | CPS Energy |  |
| Hanson, Kevin | National Grid Renewables (NG Renewables) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Mindham, David | EDP Renewables | Via Teleconference |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |  |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| Richmond, Tim | Chariot Energy | Via Teleconference |
| Trevino, Melissa | Occidental Chemical (Occidental) | 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 |
| Anderson, Kevin | CES | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Barati, Camron | Potomac Economics | Via Teleconference |
| Barr, Bill | LCRA | Via Teleconference |
| Basaran, Harika | PUCT | Via Teleconference |
| Bertin, Suzanne | S. Bertin Consulting | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Bivens, Carrie | Potomac Economics | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |  |
| Boggs, Callie | Goff Policy |  |
| Bonskowski, Ned | Luminant |  |
| Brown, Chris | PUCT | Via Teleconference |
| Burkhead, Brett | Calpine |  |
| Clark, Jack | Nextera Energy | Via Teleconference |
| Clifford, Brigid | PG Renewables | Via Teleconference |
| Cochran, Seth | DC Energy |  |
| Conant, Portia | Yes Energy | Via Teleconference |
| Cortez, Sarai | Trailstone | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| DeLeon, Seth | DME Power | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Fleming, Jackie | Talen Energy | Via Teleconference |
| Garrett, Bob | Key Capture | Via Teleconference |
| Ghoshal, Orijit | esVolta | Via Teleconference |
| Gomez, Juan | Up Time Solar | Via Teleconference |
| Harriman, Chien Si | Eolian LP | Via Teleconference |
| Heino, Shari | Brazos Electric Cooperative | Via Teleconference |
| Helton, Bob | ENGIE North America (ENGIE) |  |
| Hester, Doug | Talen Energy | Via Teleconference |
| Hinds, David | LCRA | Via Teleconference |
| Hjaltman, Courtney | OPUC | Via Teleconference |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | TIEC | Via Teleconference |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Ingraham, Deborah | Acciona | Via Teleconference |
| Kee, David | CPS Energy |  |
| Keller, Jenna | Potomac Economics | Via Teleconference |
| Koz, Brian | Wolframium Power | Via Teleconference |
| Kunkel, Dennis | AEP | Via Teleconference |
| Lasher, Warren | Lasher Energy | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Lu, Bo | Broad Reach Power | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| McIntyre, Ken | Plus Power | Via Teleconference |
| McMurray, Creighton | PUCT | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Nicholson, Tyler | PUCT | Via Teleconference |
| Noyes, Theresa | LCRA |  |
| Okenfuss, James | SENA | Via Teleconference |
| Pallarez, Edward | Electronic Transmission Texas | Via Teleconference |
| Pokharel, Nabaraj | Office of Public Utility Council (OPUC) |  |
| Ramaswamy, Ramya | PUCT | Via Teleconference |
| Reedy, Steve | CIM View Consulting | Via Teleconference |
| Richmond, Michele | TCPA | Via Teleconference |
| Ross, Richard | AEP | Via Teleconference |
| Sams, Bryan | Calpine | Via Teleconference |
| Sersen, Juliana | Baker Botts | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| Stephenson, Zach | Texas Electric Cooperatives (TEC) |  |
| Thomas, Wayne | Bryan Texas Utilities | Via Teleconference |
| Townsend, Paul | TCPA | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| White, Lauri | AEP Texas | Via Teleconference |
| Withrow, David | AEP |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Wyman, Constance | AEP | Via Teleconference |
| Zang, Hailing | TC Energy | Via Teleconference |
| Zhang, Bryan | Potomac Economics | Via Teleconference |
| Zhang, Wen | Potomac Economics | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Arth, Matt |  | Via Teleconference |
| Ayson, Janice |  | Via Teleconference |
| Azeredo, Chris |  | Via Teleconference |
| Bigbee, Nathan |  | Via Teleconference |
| Billo, Jeff |  |  |
| Benavides, Marcos |  | Via Teleconference |
| Boren, Ann |  |  |
| Carswell, Cory |  | Via Teleconference |
| Castillo, Leo |  | Via Teleconference |
| Chen, Jian |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dashnyam, Sanchir |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Gnanam, Prabhu |  | Via Teleconference |
| Gonzalez, Ino |  | Via Teleconference |
| Gross, Katherine |  |  |
| Hailu, Ted |  | Via Teleconference |
| Hanson, Pamela |  |  |
| Heinrich, Holly |  | Via Teleconference |
| Insall, Jerry |  | Via Teleconference |
| King, Ryan |  |  |
| Lee, Alex |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Mereness, Matt |  |  |
| McGowan, Erin |  | Via Teleconference |
| McGuire, Joshua |  | Via Teleconference |
| Mohanadha, Thinesh Devadhas |  | Via Teleconference |
| Moorty, Sai |  | Via Teleconference |
| Ögelman, Kenan |  |  |
| Opheim, Calvin |  | Via Teleconference |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Schmidt, Matthew |  | Via Teleconference |
| Shanks, Maggie |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Stevens, Jim |  | Via Teleconference |
| Stice, Clayton |  |  |
| Teixeira, Jay |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Wasik-Gutierrez, Erin |  |  |
| You, Haibo |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
|  |  |  |

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

Martha Henson called the November 9, 2023 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Approval of Minutes (see Key Documents)[[1]](#footnote-2)

*September 13, 2023*

*October 12, 2023*

Market Participants reviewed the September 13, 2023 and October 12, 2023 PRS Meeting Minutes. Ms. Henson noted these items could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Technical Advisory Committee (TAC) Update

Ms. Henson reviewed the disposition of items considered at the October 24, 2023 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2023 and 2024 release targets, reviewed additional project status information, and highlighted major projects. Mr. Anderson summarized anticipated timelines for activity related to implementation of Nodal Protocol Revision Request (NPRR) 1026, BESTF-7 Self-Limiting Facilities, and reviewed impacts to in-flight SLFs. Mr. Anderson presented the priority and rank options for Revision Requests requiring a project.

Board Priority Revision Request(s) (Waive Notice) (see Key Documents)

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

Cory Phillips summarized the timeline and approval process for Board Priority Revision Requests and noted a successful motion to waive notice was required for PRS to take up NPRR1209.

**Bob Helton moved to waive notice for NPRR1209. Kevin Hanson seconded the motion. The motion carried with one objection from the Independent Generator (Eolian) Market Segment and one abstention from the Independent Power Marketer (IPM) (Tenaska) Market Segment.** *(Please see ballot posted with Key Documents.)*

Ryan King provided an overview of NPRR1209. Market Participants discussed the proposed calculations for Ancillary Service Failed Quantity Charges for Energy Storage Resources (ESRs) and, noting NPRR1209 was filed only one day ahead of PRS, requested tabling to allow time for additional stakeholder review and submission of clarifications for a special PRS meeting.

**John Varnell moved to table NPRR1209. Mr. Hanson seconded the motion. The motion carried with one objection from the Consumer (OPUC) Market Segment.** *(Please see ballot posted with Key Documents.)*

Ms. Henson announced the November 30, 2023 Special PRS meeting by Webex only at 2:00 p.m. to consider NPRR1209.

Urgency Vote(s) (See Key Documents)

*NPRR1204, Considerations of State of Charge with Real-Time Co-Optimization*

Matt Arth summarized the request for Urgent status, provided an overview of NPRR1204, reviewed the 11/3/23 ERCOT comments, and noted the concepts were discussed at the November 1, 2023 Real-Time Co-Optimization plus Batteries Task Force (RTBCTF) meeting. Market Participants reviewed the 10/10/23 Impact Analysis and appropriate priority and rank for NPRR1204. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

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

Market Participants reviewed the 10/12/23 PRS report and 5/16/23 Impact Analysis for NPRR1181. 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*

Market Participants reviewed the 10/12/23 PRS report, 9/20/23 Impact Analysis, and appropriate priority and rank for NPRR1201. ERCOT Staff outlined a split effective date for NPRR1201. 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 11/7/23 ERCOT comments for an alternative schedule for the Impact Analysis for SCR825. Ms. Henson noted this item 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*

*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*

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

*NPRR1198, Congestion Mitigation Using Topology Reconfigurations*

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

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

*SCR826, ERCOT.com Enhancements*

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

PRS took no action on these items.

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

Some participants expressed concern for the assertion in the 10/11/23 ERCOT comments that if stakeholders wish to pursue the deposit (or maintenance fee) policy proposed in NPRR1202, then the deposits/fees proposed should apply to the generation interconnection as well, and requested further review of the issues by the Wholesale Market Subcommittee (WMS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Review of Revision Request Language (see Key Documents)

*NPRR1204, Considerations of State of Charge with Real-Time Co-Optimization Implementation*

This item was considered with Urgent status, as described above.

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

Sanchir Dashnyam provided an overview of NPRR1205 and summarized discussion of the concepts at the September 20, 2023 Credit Finance Sub Group (CFSG) meeting. Market Participants requested review of the issues by CFSG. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

Katherine Gross provided an overview of NPRR1206. Some Market Participants expressed concern for possible compliance risks and exclusionary language regarding Qualified Scheduling Entities (QSEs) and requested review of the issues by WMS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Bill Barnes moved to approve the Combined Ballot as follows:**

* **To approve the September 13, 2023, and October 12, 2023, PRS Meeting Minutes**
* **To grant NPRR1204 Urgent status; to recommend approval of NPRR1204 as amended by the 11/3/23 ERCOT comments; and to forward to TAC NPRR1204 and the 10/10/23 Impact Analysis with a recommended priority of 2023 and rank of 235**
* **To endorse and forward to TAC the 10/12/23 PRS Report and 5/16/23 Impact Analysis for NPRR1181**
* **To endorse and forward to TAC the 10/12/23 PRS Report and 9/20/23 Impact Analysis for NPRR1201 with a proposed effective date of the first of the month following PUCT approval for Sections 9.2.5 and 9.5.6 and upon system implementation for Section 9.19.1 with a recommended priority of 2024 and rank of 4080**
* **To table SCR825**
* **To table NPRR1202 and refer the issue to WMS**
* **To table NPRR1205 and refer the issue to CFSG**
* **To table NPRR1206 and refer the issue to WMS**

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

Other Business

*2024 ERCOT Membership/Segment Representative Elections*

Suzy Clifton reminded Market Participants that the Membership record date is Friday, November 17, 2023 and stated that 2024 Segment Representative Elections for TAC and Subcommittees would begin the week after the record date. In response to Market Participant concerns on the new membership application and fees process, volume of unprocessed applications, and a request for lessons learned from this process, Ms. Clifton offered to communicate the issues to ERCOT legal and the membership team.

Adjournment

Ms. Henson adjourned the November 9, 2023 PRS meeting at 12:30 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/11092023-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-2)