**APPROVED**

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

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

**Thursday, June 13,** **2024 – 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Blakey, Eric  | Pedernales Electric Cooperative | Via Teleconference |
| Coleman, Diana | CPS Energy |  |
| Hanson, Kevin | National Grid Renewables (NGR) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor)  |  |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Mindham, David | EDP Renewables North America | Via Teleconference |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |  |
| Pfefferle, Ryan | Occidental Chemical (Occidental) |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
| Winn, Aaron | Chariot Energy | Via Teleconference |
| Xie, Fei | Austin Energy | Via Teleconference |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Amirazodi, Roozbeh | Got Rhythm | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions (CES) | Via Teleconference |
| Ashley, Kristy | CES | Via Teleconference |
| Beckman, Kara | Pattern Energy | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Bivens, Carrie | NextEra Energy | Via Teleconference |
| Blackburn, Don | Hunt | Via Teleconference |
| Breiten, David | CPS Energy |  |
| Bulzak, Jack | Public Utility Commission of Texas (PUCT) | Via Teleconference |
| Clark, Jack | Spearmint Energy | Via Teleconference |
| Cockrell, Justin | DC Energy | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Daigneault, Ralph | Treaty Oak Clean Energy | Via Teleconference |
| Day, Smith | PEC | Via Teleconference |
| Dharme, Neeraja | EDFT | Via Teleconference |
| Fink, Regan | PG Renewables | Via Teleconference |
| Gilman, Portia | Yes Energy | Via Teleconference |
| Haley, Ian | Morgan Stanley |  |
| Hendrix, Chris | Demand Control 2 | Via Teleconference |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | Via Teleconference |
| Ingraham, Debora | Acciona | Via Teleconference |
| Jha, Monica | Vistra | Via Teleconference |
| Koz, Brian | Wolframium Power | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Lu, Bo | ENGIE | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Neville, Zach | CES | Via Teleconference |
| Petäjäsoja, Ida | Stem | Via Teleconference |
| Pokharel, Nabaraj | OPUC | Via Teleconference |
| Reed, Cyrus | Sierra Club | Via Teleconference |
| Rich, Katie | Luminant Generation (Luminant)  |  |
| Rowe, Evan | Osprey Energy |  |
| Scott, Kathy | CNP |  |
| Siddiqi, Shams | Crescent Power Consulting  | Via Teleconference |
| Smith, Daniel | GVEC | Via Teleconference |
| Teng, Shuye | Constellation | Via Teleconference |
| Thomas, Shane | Shell Energy North America (SENA)  |  |
| Thomas, Wayne | Bryan Texas Utilities (BTU) | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Wagner, Julia | PUCT | Via Teleconference |
| White, Lauri | AEP Texas | Via Teleconference |
| Williams, Rhiannon | GVEC | Via Teleconference |
| Withrow, David | AEP | Via Teleconference |
| Wittmeyer, Bob | Longhorn Power  | Via Teleconference |
| Zhang, Mandy | GEUS | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  | Via Teleconference |
| Arth, Matt |  | Via Teleconference |
| Azeredo, Chris |  | Via Teleconference |
| Benavides, Marcos |  |  |
| Bigbee, Nathan |  | Via Teleconference |
| Carswell, Cory |  |   |
| Castillo, Leo |  | Via Teleconference |
| Chen, Jian |  | Via Teleconference |
| Chu, Zhengguo |  |  |
| Clifton, Suzy |  |  |
| Drake, Gordon |  |  |
| Dwyer, Davida |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Garza, Oscar |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hanson, Pamela |  |  |
| Hariharan, Sruthi |  | Via Teleconference |
| Hartmann, Jimmy |  | Via Teleconference |
| Herrera, Shane |  | Via Teleconference |
| Holden, Curry |  | Via Teleconference |
| Jirasek, Shawna |  | Via Teleconference |
| Kezell, David |  |  |
| Lee, Alex |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| McGuire, Josh |  | Via Teleconference |
| Meier, Kennedy |  | Via Teleconference |
| Mereness, Matt |  |  |
| Moorty, Sai |  | Via Teleconference |
| Morris, Sam |  | Via Teleconference |
| Navarro Catalan, Manuel |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Phillips, Cory |  |  |
| Rosel, Austin |  | Via Teleconference |
| Schmidt, Matthew |  | Via Teleconference |
| Shanks, Magie |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Springer, Agee |  |  |
| Troublefield, Jordan |  | Via Teleconference |
| Wasik-Gutierrez, Erin |  |   |
| Zhang, Bryan |  | Via Teleconference |

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

Diana Coleman called the June 13, 2024 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

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

*May 9, 2024*

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

Technical Advisory Committee (TAC) Update

Ms. Coleman reviewed the disposition of items considered at the May 22, 2024 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2024 release targets, noted major projects,

reviewed the additional project status information items, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson reviewed the May 29, 2024 Technology Working Group (TWG) meeting agenda and encouraged participants to attend the June 26, 2024 TWG meeting.

*Review of Aging Projects*

Mr. Anderson highlighted aging projects discussion at the March 20 and May 9, 2024 PRS meetings and presented the revised analysis and ERCOT recommendations for approved Revision Request projects that have not yet been implemented in ERCOT systems and have the potential to be implemented prior to the Real-Time Co-optimization plus Batteries (RTC+B) project. Mr. Anderson requested Market Participants provide feedback/input on the following Revision Requests prior to the July 18, 2024 PRS meeting:

* Nodal Protocol Revision Request (NPRR) 1091, Changes to Address Market Impacts of Additional Non-Spin Procurement
* NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding
* NPRR1213, Allow DGRs and DESRs on Circuits Subject to Load Shed to Provide ECRS
* NPRR1006, Update Real-Time On-Line Reliability Deployment Price Adder Inputs to Match Actual Data
* NPRR1128, Allow FFR Procurement up to FFR Limit Without Proration.

Mr. Anderson stated that ERCOT Staff would continue to review for additional efficiencies and provide an update at a future PRS meeting.

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

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

**Blake Holt moved to endorse and forward to TAC the 5/9/24 PRS Report and 5/31/24 Impact Analysis for NPRR1190. Bill Barnes seconded the motion. The motion carried with one objection from the Consumer (OPUC) Market Segment and two abstentions from the Consumer (Occidental) and Independent Power Marketer (IPM) (DC Energy) Market Segment.** (*Please see ballot posted with Key Documents).*

*NPRR1215, Clarifications to the Day-Ahead Market (DAM) Energy-Only Offer Calculation*

Market Participants reviewed the 5/9/24 PRS Report and 1/23/24 Impact Analysis for NPRR1215. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1216, Implementation of Emergency Pricing Program*

Gordon Drake reviewed the 6/11/24 Revised Impact Analysis to NPRR1216, responded to Market Participants questions and concerns on the potential for terminating the Emergency Pricing Program (EPP) mid-hour depending on the specific time in which an Emergency Energy Alert (EEA) was exited, and stated that ERCOT would provide clarifications, before the June 24, 2024 TAC meeting, that an Emergency Offer Cap (ECAP) Effective Period will end at the top of the following Operating Hour. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1225, Exclusion of Lubbock Load from Securitization Charges*

Market Participants reviewed the 5/9/24 PRS Report and 4/11/24 Impact Analysis for NPRR1225. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Revision Requests Tabled at PRS (see Key Documents)

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1180, Inclusion of Forecasted Load in Planning Analyses*

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

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

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

*NPRR1214, Reliability Deployment Price Adder Fix to Provide Locational Price Signals, Reduce Uplift and Risk*

*NPRR1219, Methodology Revisions and New Definitions for the Report on Capacity, Demand and Reserves in the ERCOT Region (CDR)*

*NPRR1221, Related to NOGRR262, Provisions for Operator Controlled Manual Load Shed*

*NPRR1226, Demand Response Monitor*

*System Change Request (SCR) 826, ERCOT.com Enhancements*

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

PRS took no action on these items.

*NPRR1217, Remove VDI Requirement for Deployment and Recall of Load Resources and ERS Resources*

Market Participants reviewed the 6/12/24 ROS comments to NPRR1217. In response to participants questions and concerns, Mark Patterson stated that ERCOT Staff is coordinating internally to develop a process that would allow interested Qualified Scheduling Entities (QSEs) to check Extensible Markup Language (XML) messaging. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Review of Revision Request Language (see Key Documents)

*NPRR1227, Related to RMGRR181, Alignment of Defined Term Usage and Resolution of Inconsistencies*

Jordan Troublefield provided an overview of NPRR1227. Market Participants reviewed the 6/4/24 RMS comments to NPRR1227. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1229, Real-Time Constraint Management Plan Energy Payment*

Lucas Turner summarized NPRR1229 discussion at the May 9, 2024 PRS meeting and provided an overview of NPRR1229, the 5/8/24 STEC comments, and the 6/12/24 STEC comments. Market Participants requested review of operational and Settlement components of NPRR1229 at the Reliability and Operations Subcommittee (ROS) and the Wholesale Market Subcommittee (WMS). Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1231, FFSS Program Communication Improvements and Additional Clarifications*

Magie Shanks provided an overview of NPRR12431. Katie Rich reviewed the 6/6/24 Luminant comments to NPRR1231. Austin Rosel reviewed the 6/10/24 ERCOT comment and 6/12/24 ERCOT comments to NPRR1231. Market Participants expressed support for the 6/12/24 ERCOT comments. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1232, Standing Deployment of ECRS in the Operating Hour for a Portion of ECRS that is Provided from SCED-Dispatchable Resources*

Nitika Mago provided an overview of NPRR1232. Market Participants discussed the ERCOT Contingency Reserve Service (ECRS), specifically the offer floor for ECRS underway via NPRR1224, ECRS Manual Deployment Triggers, and concerns from QSEs regarding system and/or process changes they may need to implement NPRR1232, and requested review of the issues by WMS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1233, Modification of Weatherization Inspection Fees on the ERCOT Fee Schedule*

Katherine Gross provided an overview of NPRR1233. In response to Market Participant questions and concerns on the current methodology used to determine the weatherization fees, David Kezell offered to share the aggregate inputs used to calculate the Transmission Service Providers (TSPs) fees at a future PRS meeting. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1234, Interconnection Requirements for Large Loads and Modeling Standards for Loads 25 MW or Greater*

Agee Springer provided an overview of NPRR1234, noted differences in the scope of it and withdrawn NPRR1191, Registration, Interconnection, and Operation of Customers with Large Loads; Information Required of Customers with Loads 25 MW or Greater, and highlighted discussion at the June 3, 2024 Large Flexible Load Task Force (LFLTF) meeting. Market Participants requested review of the issues by ROS along with consideration of the related PGRR115, particularly the modeling requirements for Loads larger than 25 MWs. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1235, Dispatchable Reliability Reserve Service as a Stand-Alone Ancillary Service*

Mr. Drake provided an overview of NPRR1235, stated that concepts were developed or discussed at three Dispatchable Reliability Reserve (DRRS) workshops, and noted modifications due to the complexities of the issues. Cyrus Reed reviewed the 6/3/24 Sierra Club comments. Matt Arth reviewed the statutory language that impacted Controllable Load Resources (CLRs) participation in DRRS. Market Participants request further review of the issues by ROS and WMS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Notice of Withdrawal (see Key Documents)

*NPRR1191*

Ms. Coleman noted the withdrawal of NPRR1191.

Combined Ballot

**Kevin Hanson moved to approve the Combined Ballot as follows:**

* **To approve the May 9, 2024 PRS Meeting Minute as presented**
* **To endorse and forward to TAC the 5/9/24 PRS Report and 1/23/24 Impact Analysis for NPRR1215**
* **To endorse and forward to TAC the 5/9/24 PRS Report and 6/11/24 Revised Impact Analysis for NPRR1216 with a recommended priority of 2024 and rank of 380**
* **To endorse and forward to TAC the 5/9/24 PRS Report and 4/11/24 Impact Analysis for NPRR1225**
* **To recommend approval of NPRR1217 as submitted**
* **To recommend approval of NPRR1227 as submitted**
* **To table NPRR1229 and refer the issue to ROS and WMS**
* **To recommend approval of NPRR1231 as amended by the 6/12/24 ERCOT comments**
* **To table NPRR1232 and refer the issue to WMS**
* **To recommend approval of NPRR1233 as submitted**
* **To table NPRR1234 and refer the issue to ROS**
* **To table NPRR1235 and refer the issue to ROS and WMS**

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

Other Business

*2025 Meeting Schedule*

Ms. Coleman presented the draft 2025 Block Calendar; noted TAC meeting efficiencies; and requested participants provide feedback at the July 18, 2924 PRS meeting on the potential to schedule PRS meetings on Wednesdays in consideration of Public Utility Commission of Texas (PUCT) Open Meeting conflicts.

Adjournment

Ms. Coleman adjourned the June 13, 2024 PRS meeting at 12:05 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/06132024-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-2)