**DRAFT**

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

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

**Wednesday, February 12, 2025** **– 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Bevill, Rob | Texas-New Mexico Power (TNMP) |  |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |  |
| Coleman, Diana | CPS Energy |  |
| Darden, Austin | Just Energy | Via Teleconference |
| Goff, Eric | Residential Consumer  |  |
| Hargrove, Jonathan | Rpower | Via Teleconference |
| Lee, Jim | CenterPoint Energy (CNP) |   |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |   |
| Thomas, Shane | Shell Energy North America (SENA) | Via Teleconference |
| Trevino, Melissa | Occidental Chemical (Occidental) |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
| Xie, Fei | Austin Energy | Via Teleconference |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Allen, Thresa | Avangrid Renewables | Via Teleconference |
| Amirazodi, Roozbeh | Rhythm Ops | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions (CES) | Via Teleconference |
| Ashley, Kristy | CES | Via Teleconference |
| Batra-Shrader, Monica | Enchanted Rock | Via Teleconference |
| Beard, M | Hunt Energy | Via Teleconference |
| Beckman, Kara | NextEra Energy | Via Teleconference |
| Benson, Mariah | Texas Public Power Association (TPPA) | Via Teleconference |
| Berg, Justin | Equilibrium Energy | Via Teleconference |
| Bertin, Suzanne |  | Via Teleconference |
| Boggs, Callie | Eric Winters Goff, LLC | Via Teleconference |
| Bourdon, Peter |  | Via Teleconference |
| Brasel, Kade | CPS Energy | Via Teleconference |
| Bracy, Phil | Texas Reliability Entity, Inc. (Texas RE) | Via Teleconference |
| Breiten, David | CPS Energy | Via Teleconference |
| Brown, Chris | Public Utility Commission of Texas (PUCT)  | Via Teleconference |
| Chan, Vanessa | ENEL | Via Teleconference |
| Cockrell, Justin | DC Energy | Via Teleconference |
| Considine, Lucy | PUCT | Via Teleconference |
| Dillavou, Hayden | Balyasny Asset Management | Via Teleconference |
| Dreyfus, Mark | City of Eastland | Via Teleconference |
| Duensing, Allison | Sarac Energy | Via Teleconference |
| Gauldin, Julie | PUCT | Via Teleconference |
| Gibune, Charles |  | Via Teleconference |
| Gilman, Portia | Yes Energy | Via Teleconference |
| Goff, Eric | Lancium (NPRR1202, 1234, 1262) and Texas Energy Buyers Alliance (TEBA) for NPRR1264 Only  |  |
| Haley, Ian | Morgan Stanley | Via Teleconference |
| Hanson, Kevin | Invenergy | Via Teleconference |
| Helton, Bob | Engie North America (Engie) | Via Teleconference |
| Hemmeline, Charlie | American Clean Power  |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hu, Tim | Walleye Capital | Via Teleconference |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) |   |
| Israel, Matt | Satoshi Energy | Via Teleconference |
| Jewell, Michael | Jewell and Associates | Via Teleconference |
| Jones, Monica | CNP | Via Teleconference |
| Kee, David | CNP | Via Teleconference |
| Keefer, Andrew | DME | Via Teleconference |
| King, Marc | CNP | Via Teleconference |
| Kirby, Brandon | GEUS | Via Teleconference |
| Khayat, Maribel | CNP | Via Teleconference |
| Levine, Jon | Baker Botts | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| Matos, Chris | Google | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| McMurray, Creighton | Spencer Fane | Via Teleconference |
| Mottin, Suzanne | Occidental Chemical | Via Teleconference |
| Neel, Evan | Lancium | Via Teleconference |
| Neville, Zach | CES | Via Teleconference |
| Nicholson, Tyler | PUCT | Via Teleconference |
| Pak, Sam | Oncor | Via Teleconference |
| Pearson, Kelsey | Longhorn Power |  |
| Pietrucha, Doug | Texas Advanced Energy Business Alliance (TAEBA) | Via Teleconference |
| Pokharel, Nabaraj | Office of Public Utility Counsel (OPUC) | Via Teleconference |
| Pueblos, Jameel | Occidental | Via Teleconference |
| Pyka, Greg | SEnergy | Via Teleconference |
| Rasmussen, Erin | AEP |  |
| Reimers, Andrew | Potomac Economics |  |
| Rich, Katie | Vistra Operations Company  |  |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | Via Teleconference |
| Rico, Guillermo | CPS Energy |  |
| Rochelle, Jenni | CES | Via Teleconference |
| Ross, Richard | AEPSC |  |
| Safko, Trevor | LCRA |  |
| Scott, Kathy | CNP |  |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| Smith, Mark | CMC Steel Texas | Via Teleconference |
| Snyder, Bill | AEP Texas | Via Teleconference |
| Stephenson, Zach | Texas Electric Cooperatives (TEC)  | Via Teleconference |
| Teng, Shuye | Constellation | Via Teleconference |
| Townsend, Paul | TCPA | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Van Winkle, Robert |  | Via Teleconference |
| Wagner, Julia | PUCT | Via Teleconference |
| Walker, Floyd | PUCT |  |
| Watson, Markham |  | Via Teleconference |
| Welch, Matt | GSEC |  |
| Whitling, James | Mercuria | Via Teleconference |
| Whigham, David | BP |  |
| Wilson, Joe Dan | GSEC | Via Teleconference |
| Withrow, David | AEPSC |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Zang, Hailing | TC Energy | Via Teleconference |
| *ERCOT Staff* |  |  |
| Abbott, Kristin |  | Via Teleconference |
| Albracht, Brittney |  |  |
| Anders, Dana |  | Via Teleconference |
| Anderson, Troy |  |   |
| Arth, Matt |  |  |
| Benavides, Marcos |  |  |
| Billo, Jeff |  |  |
| Blevins, Bill  |  |  |
| Boren, Ann |  |   |
| Cheng, Yong |  | Via Teleconference |
| Chu, Zhengguo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Cosway, Chris |  | Via Teleconference |
| Drake, Gordan |  |  |
| Fernandes, Jenifer |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzales, Nathan |  |  |
| Gonzalez, Ino |  | Via Teleconference |
| Gross, Katherine |  |  |
| Hailu, Ted |  | Via Teleconference |
| Hernandez-Garcia, Jessica |  | Via Teleconference |
| Holland, Caleb |  | Via Teleconference |
| Krein, Steve |  | Via Teleconference |
| King, Ryan |  |   |
| Lamb, Kate |  | Via Teleconference |
| Lee, Alex |  | Via Teleconference |
| Lightner, Debbie |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Meier, Eric |  | Via Teleconference |
| Mereness, Matt |  |  |
| Morris, Sam |  | Via Teleconference |
| Navarro Catalan, Manuel |  | Via Teleconference |
| Opheim, Calvin |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Phillips, Cory |  |   |
| King, Ryan |  |  |
| Rosel, Austin |  | Via Teleconference |
| Sheets, Jarod |  | Via Teleconference |
| Sills, Alex |  | Via Teleconference |
| Troublefield, Jordan |  |   |
| Wasik-Gutierrez, Erin |  |  |
| Zhang, Bryan |  | Via Teleconference |
| Zhang, Qian |  | Via Teleconference |

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

Diana Coleman called the February 12, 2025 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)

*January 12, 2025*

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 January 22, 2025 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, including the updated go-live of 2026 Q1 for System Change Request (SCR) 820, Operator Real-Time Messaging During Emergency. Mr. Anderson summarized 2025 release targets, reviewed the projects timeline, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson presented the 2022-2024 Impact Analysis Accuracy Results report, highlighted significant variances in the Impact Analysis cost or duration range, and responded to participant questions and concerns. Mr. Anderson summarized topics discussed at the January 30, 2025 Technology Working Group (TWG) meeting and encouraged participants to attend the February 27, 2025 TWG meeting.

Urgency Vote (see Key Documents)

*Nodal Protocol Revision Request (NPRR) 1272, Voltage Support at Private Use Networks*

Melissa Trevino reviewed the request for Urgent status for NPRR1272. Some participants expressed concern for granting Urgent status and noted the need for additional discussion of the issues at the Planning Working Group (PLWG) and Voltage Profile Working Group (VPWG). Cory Phillips reviewed the Revision Request timeline and stakeholder process. In response to participant discussions, Katie Rich offered to include NPRR1272 for consideration at the March 6, 2025 Reliability and Operations Subcommittee (ROS) meeting and requested PLWG and VPWG take up the issues at their respective February 24, 2025 and March 4, 2025 meetings. Ms. Coleman noted that NPRR1272 will be considered at the March 12, 2025 PRS meeting.

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

*NPRR1241, Firm Fuel Supply Service (FFSS) Availability and Hourly Standby Fee*

Participants reviewed the 1/28/25 Impact Analysis for NPRR1241. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*SCR829, API for the NDCRC Application*

*SCR830, Expose Limited API Endpoints Using Machine-to-Machine Authentication*

Mr. Anderson reviewed the 2/7/25 ERCOT comments to SCR829 and SCR830. Ms. Coleman noted these items could be considered for inclusion in the [Combined Ballot.](#Ballot)

*Verifiable Cost Manual Revision Request (VCMRR) 042, SO2 and NOx Emission Index Prices Used in Verifiable Cost Calculations*

Participants reviewed the Wholesale Market Subcommittee (WMS)-recommended priority of 2026 and rank of 4720 for VCMRR042. 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*

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

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

*NPRR1255, Introduction of Mitigation of ESRs*

*NPRR1263, Remove Accuracy Testing Requirements for CCVTs*

*NPRR1265, Unregistered Distributed Generator*

*NPRR1266, Opt-Out Status Held by a Transmission-Voltage Customer Cannot be Transferred*

*SCR826, ERCOT.com Enhancements*

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

PRS took no action on these items.

*NPRR1226, Estimated Demand Response Data*

Mark Patterson reviewed the 2/11/25 comments to NPRR1226. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Participants reviewed the 2/6/25 ROS comments, noting that ROS concluded discussion of NPRR1229 and

has determined the issues are financial in nature and has no recommendation at this time. Ms. Coleman reminded participants that WMS is still reviewing the issues.

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

Participants reviewed the 2/6/25 ROS comments to NPRR1234. Ms. Trevino summarized the 2/11/25 Occidental comments to NPRR1234. Some supporters questioned the level of the Large Load Interconnection Study (LLIS) fee, noting the higher fee proposed within NPRR1202 and requested ERCOT increase this fee within NPRR1234.

**Martha Henson moved to recommend approval of NPRR1234 as amended by the 1/24/25 ERCOT comments. Jim Lee seconded the motion. The motion carried with one objection from the Industrial Consumer Segment (Occidental) and one abstention from the Independent Power Marketer (IPM) (Tenaska) Market Segment.** *(Please see ballot posted with Key Documents.)*

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

Ms. Coleman encouraged interested participants attend the February 28, 2025 Dispatchable Reliability Reserve Service (DRRS) Workshop IV. PRS took no action on this item.

*NPRR1238, Voluntary Registration of Loads with Curtailable Load Capabilities*

Participants reviewed the 2/7/25 WMS comments, noting that WMS concluded discussion of NPRR1238 and has no recommendation at this time. Ms. Coleman reminded participants that ROS is still reviewing the issues. PRS took no action on this item.

*NPRR1256, Settlement of MRA of ESRs*

Participants reviewed the 2/6/25 WMS comments to NPRR1256. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1262, Ancillary Service Opt Out Clarification*

Eric Goff, representing Lancium, and Matt Arth reviewed the 2/4/25 comments to NPRR1262. PRS took no action on this item.

*NPRR1264, Creation of a New Energy Attribute Certificate Program*

Andy Nguyen reviewed the 2/11/25 Constellation comments to NPRR1264. Austin Rosel encouraged participants to provide comments for similar scenarios, to either bolster or oppose the business case for NPRR1264 and stated that ERCOT is requesting additional time to review the issues. Chris Matos reviewed the 2/4/25 Google comments to NPRR1264. Ms. Coleman reminded participants that WMS is still reviewing the issues. PRS took no action on this item.

Review of Revision Request Language (see Key Documents)

*NPRR1267, Large Load Interconnection Status Report*

Mr. Goff provided an overview of NPRR1267. Mr. Matos reviewed the 1/22/25 Google comments to NPPRR1267. Participants discussed the proposed reporting dimensions and requested tabling to continue discussions on the appropriate reporting dimensions. Bill Blevins offered to review the issues at the March 4, 2025 Large Flexible Load Task Force (LFLTF) meeting. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1268, RTC – Modification of Ancillary Service Demand Curves*

*NPRR1269, RTC+B Three Parameters Policy Issues*

*NPRR1270, Additional Revisions Required for Implementation of RTC*

Matt Mereness summarized NPRR1268, NPRR1269, and NPRR 1270 discussion at the February 7, 2025 Real-Time Co-optimization plus Batteries Task Force (RTCBTF) meeting; reviewed the Revision Request timeline and ERCOT window for “re-factoring” development to maintain the Real-Time Co-optimization plus Batteries (RTC+B) implementation go-live date; and noting the need for consideration with Urgent status at the March 12, 2025 PRS meeting, encouraged participant engagement on the issues at the February 19 and March 5, 2025 RTCBTF meetings.

Andrew Reimers provided an overview of NPRR1268 and the 2/5/25 IMM comments. Dave Maggio noted the 1/30/25 Hunt Energy Network comments and stated that ERCOT is developing further clarifications in advance of the February 19 and March 5, 2025 RTCBTF meeting. Participants requested to table NPRR1268 for continued discussions at upcoming RTCBTF meetings. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Mr. Maggio provided an overview of NPRR1269. Mr. Reimers summarized the 2/6/25 IMM comments to NPRR1269. Participants requested to table NPRR1269 for continued discussions at upcoming RTCBTF meetings. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Nitika Mago provided an overview of NPRR1270. Participants requested to table NPRR1270 for continued discussions at upcoming RTCBTF meetings. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1271, Revision to User Security Administrator and Digital Certificates Opt-out Eligibility*

Debbie Lightner provided an overview of NPRR1271. Some participants questioned how NPRR1271 differs from current Qualified Scheduling Entity (QSE) procedure and requested review of the issues by WMS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*SCR831, Short Circuit Model Integration*

Eric Meier provided an overview of SCR831 and requested review of the issues by the Steady State Working Group (SSWG) and System Protection Working Group (SPWG). Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Other Business

*2025 PRS Goals*

Participants and ERCOT Staff discussed potential efficiencies for 2025 Goals. Ms. Coleman noted that PRS would consider 2025 Goals following TAC’s action on their 2025 Goals.

Combined Ballot

**Eric Blakey moved to approve the Combined Ballot as follows:**

* **To approve the January 12, 2025 PRS Meeting Minutes as presented**
* **NPRR1241 - To endorse and forward to TAC the 1/15/25 PRS Report and 1/28/25 Impact Analysis for NPRR1241**
* **SCR829 - To table SCR829**
* **SCR830 - To table SCR830**
* **To endorse the WMS-recommended priority of 2026 and rank of 4720 for VCMRR042**
* **To recommend approval of NPRR1226 as amended by the 2/11/25 ERCOT comments**
* **To recommend approval of NPRR1256 as amended by the 1/27/25 ERCOT comments**
* **To table NPRR1267**
* **To table NPRR1268**
* **To table NPRR1269**
* **To table NPRR1270**
* **NPRR1271 - To table NPRR1271 and refer the issue to WMS**
* **To table SCR831 and refer the issue to ROS**

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

Adjournment

Ms. Coleman adjourned the February 12, 2025 PRS meeting at 12:16 p.m.