**APPROVED**

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

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

**Wednesday, March 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 |
| Hubbard, John Russ | Occidental Chemical (Occidental) | Alt. Rep. for Melissa Trevino |
| Lee, Jim | CenterPoint Energy (CNP) |   |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |   |
| Thomas, Shane | Shell Energy North America (SENA) |  |
| 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 |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions (CES) | Via Teleconference |
| Ashley, Kristy | CES | Via Teleconference |
| Basaran, Harika | Public Utility Commission of Texas (PUCT)  |  |
| Beckman, Kara | NextEra Energy | Via Teleconference |
| Bennett, Stacie | LS Power | Via Teleconference |
| Benson, Mariah | Texas Public Power Association (TPPA) | Via Teleconference |
| Berg, Justin | Equilibrium Energy | Via Teleconference |
| Bertin, Suzanne |  | Via Teleconference |
| Bonskowski, Ned | Vistra Operations Company (Vistra) | Via Teleconference |
| Brasel, Kade | CPS Energy | Via Teleconference |
| Brown, Chris | PUCT |  |
| Cannon, Thure | Texas Pipeline Association (TPA)  | Via Teleconference |
| Carswell, Cory | Brownsville Public Utility | Via Teleconference |
| Casias, Jade | GSEC | Via Teleconference |
| Chan, Vanessa | ENEL | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | SEnergy | Via Teleconference |
| Dillavou, Hayden | Balyasny Asset Management | Via Teleconference |
| Dollar, Zachary | PUCT | Via Teleconference |
| Dreyfus, Mark | City of Eastland |  |
| Gibune, Charles |  | Via Teleconference |
| Gilman, Portia | Yes Energy | Via Teleconference |
| Goff, Eric | Lancium (NPRR1234) and Texas Energy Buyers Alliance (TEBA) for NPRR1264 Only |  |
| Grutter, Aaron | Calpine | Via Teleconference |
| Gudivada, Prasad | CSE Storage | Via Teleconference |
| Haley, Ian | Morgan Stanley |  |
| Helton, Bob | Engie North America (Engie) | Via Teleconference |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) |   |
| Jha, Monica | Vistra | Via Teleconference |
| Kee, David | CPS Energy | Via Teleconference |
| Keller, Jenna | PUCT | Via Teleconference |
| Langdon, James | Vistra | Via Teleconference |
| Lasher, Warren | Lasher Energy Consulting | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Lu, Bo | Engie | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| McMinn, Shane | GSEC | Via Teleconference |
| McWyman, Constance |  | Via Teleconference |
| Mottin, Suzanne | Occidental Chemical | Via Teleconference |
| O’Neill, Jennifer | TPA | Via Teleconference |
| Pearson, Kelsey | Longhorn Power | Via Teleconference |
| Petajasoja, Ida |  | Via Teleconference |
| 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 |  |
| Reed, Ronald | CNP | Via Teleconference |
| Reimers, Andrew | Potomac Economics |  |
| Rich, Katie | Vistra Operations Company  |  |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) |  |
| Rico, Guillermo | CPS Energy |  |
| Rochelle, Jenni | CES | Via Teleconference |
| Safko, Trevor | LCRA |  |
| Sams, Bryan | Calpine Corporation (Calpine) |  |
| Scott, Kathy | CNP |  |
| Siddiqi, Shams | Rainbow Energy Marketing Corporation |  |
| Snyder, Bill | AEP Texas | Via Teleconference |
| Spreen, Lauren |  | Via Teleconference |
| Stern, Tad | Stem | Via Teleconference |
| Stice, Clayton | Grid View |  |
| Surendran, Resmi | SENA | Via Teleconference |
| Teng, Shuye | Constellation | Via Teleconference |
| Townsend, Paul | TCPA | Via Teleconference |
| Trefny, Floyd | ERCOT Steel Mills | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Walker, Floyd | PUCT |  |
| Welch, Matt | GSEC | Via Teleconference |
| Whigham, David | BP | Via Teleconference |
| 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 |  |  |
| Anderson, Troy |  |   |
| Arth, Matt |  |  |
| Benavides, Marcos |  |  |
| Bigbee, Nathan |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Blevins, Bill  |  | Via Teleconference |
| Boren, Ann |  |   |
| Castillo, Leo |  | Via Teleconference |
| Cheng, Yong |  | Via Teleconference |
| Chu, Zhengguo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dinopol, Ohlen |  | Via Teleconference |
| El-Madhoun, Mohamed |  | Via Teleconference |
| Fernandes, Jenifer |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Golen, Robert |  |  |
| Gonzales, Nathan |  |  |
| Gonzalez, Ino |  | Via Teleconference |
| Gross, Katherine |  |  |
| Hernandez-Garcia, Jessica |  | Via Teleconference |
| Huang, Fred |  | Via Teleconference |
| Insall, Jerry |  | Via Teleconference |
| Jayachandran, Marilyn |  | Via Teleconference |
| King, Ryan |  |   |
| Li, Weifeng |  | Via Teleconference |
| Lightner, Debbie |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  |  |
| Masanna Gari, Abhi |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Mereness, Matt |  |  |
| Opheim, Calvin |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Petro, Nick |  | Via Teleconference |
| Phillips, Cory |  |   |
| Ramthun, Eli |  | Via Teleconference |
| Rosel, Austin |  |  |
| Schmidt, Matthew |  | Via Teleconference |
| Shanks, Magie |  | Via Teleconference |
| Sills, Alex |  | Via Teleconference |
| Springer, Agee |  | Via Teleconference |
| Sweeney, Carolyn |  | Via Teleconference |
| Taurozzi, Tina |  | Via Teleconference |
| Thatte, Anupam |  | Via Teleconference |
| Thompson, Chad |  | Via Teleconference |
| Troublefield, Jordan |  | Via Teleconference |
| Wasik-Gutierrez, Erin |  |  |
| Woodfin, Dan |  |  |
| Zeplin, Rachel |  | Via Teleconference |
| Zerwas, Rebecca |  | Via Teleconference |
| Zhang, Bryan |  | Via Teleconference |

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

Diana Coleman called the March 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)[[1]](#footnote-2)

*February 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 February 27, TAC meeting.

PRS Goals/Strategic Objectives (See Key Documents)

Ms. Coleman reviewed draft PRS Goals, noted that PRS leadership supported the TAC process of alignment with strategic objectives, and encouraged participants to offer potential revisions for consideration at the April 9, 2025 PRS meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2025 release targets, reviewed the major projects timeline, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson presented an update to the 2022-2024 Impact Analysis Accuracy Results report presented at the February 12, 2025 PRS meeting, to include identified cost overruns and underruns. Mr. Anderson summarized topics discussed at the February 27, 2025 Technology Working Group (TWG) meeting and encouraged participants to attend the March 26, 2025 TWG meeting.

Urgency Vote (see Key Documents)

*Nodal Protocol Revision Request (NPRR) 1273, Appropriate Accounting for ESRs in PRC Calculation*

Nitika Mago summarized the request for Urgent status and provided an overview of NPRR1273. Cory Phillips reviewed the Revision Request timeline. Participants reviewed the 2/12/25 Impact Analysis to NPRR1273. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

*NPRR1226, Estimated Demand Response Data*

Participants noted the 3/5/25 ERCOT comments for an alternative schedule for the Impact Analysis for NPRR1226. 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*

Eric Goff stated his representation of Lancium for NPRR1234. Participants reviewed the 5/28/24 Impact Analysis and discussed the appropriate priority and rank for NPRR1234. Some Participants reiterated support for NPRR1234 but requested ERCOT continue to their analysis of the Large Load Interconnection Study (LLIS) fee amount for a possible increase. Agee Springer noted the potential for a separate Revision Request addressing fee modifications for both loads and generators.

**Martha Henson moved to endorse and forward to TAC the 2/12/25 PRS Report and 5/28/24 Impact Analysis for NPRR1234 with a recommended priority of 2026 and rank of 4730. Jim Lee seconded the motion. The motion carried with one objection from the Consumer (Occidental) Market Segment and one abstention from the Independent Generator (Calpine) Market Segment.** *(Please see ballot posted with Key Documents.)*

*NPRR1256, Settlement of MRA of ESRs*

Participants reviewed the 10/14/25 Impact Analysis and discussed the appropriate priority and rank for NPRR1256. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*System Change Request (SCR) 829, API for the NDCRC Application*

Participants reviewed the 3/11/25 Impact Analysis, Justification of Reason for Revision and Market Impacts, and appropriate priority and rank for SCR829. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Mr. Anderson referenced the 2/7/25 ERCOT comments to SCR830 and stated that ERCOT Staff still needed additional time to develop the Impact Analysis. PRS took no action on this item.

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*

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

*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*

*NPRR1267, Large Load Interconnection Status Report*

*SCR826, ERCOT.com Enhancements*

*SCR831, Short Circuit Model Integration*

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

Shams Siddiqi provided an overview of NPRR1214 and participants noted the Wholesale Market Subcommittee (WMS) endorsement of the 1/28/25 ERCOT comments. 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 provided an overview of NPRR1229 and offered clarifying desk top edits. Participants noted the WMS endorsement of the 2/26/25 STEC comments as revised by WMS. Opponents in the Consumer Market Segment expressed concerns that NPRR1229, like NPRR1190, High Dispatch Limit Override Provision for Increased Load Serving Entity Costs, are inconsistent with the market design and create improper incentives.

**Blake Holt moved to recommend approval of NPRR1229 as amended by the 3/6/25 WMS comments as revised by PRS. Bryan Sams seconded the motion. The motion carried with three opposing votes from the Consumer (Residential Consumer, City of Eastland, Occidental) Market Segment and one abstention from the Independent Power Marketer (IPM) (Tenaska) Market Segment.** *(Please see ballot posted with Key Documents.)*

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

Participants noted the Reliability and Operations Subcommittee (ROS) endorsement of NPRR1238 as amended by the 2/25/25 Oncor comments. Nathan Bigbee reviewed the 3/11/25 ERCOT comments to NPRR1238. Joe Dan Wilson cited continued economic and compliance risk while NPRR1238 remains pending; requested that PRS recommend approval in effort to reach the May 28, 2025 TAC meeting; and expressed willingness to withdraw NPRR1238 should Senate Bill 6 (SB6) resolve Golden Spread Electric Cooperative’s concerns, once finalized. Some participants debated SB6’s anticipated effect on NPRR1238 and questioned the merit of spending limited ERCOT resources developing an Impact Analysis when SB6 might ultimately negate NPRR1238’s concept.

**John Varnell moved to recommend approval of NPRR1238 as amended by the 2/25/25 Oncor comments. Mr. Sams seconded the motion. The motion carried with one objection from the Independent REP (IREP) (Just Energy) Market Segment and one abstention from the Consumer (Occidental) Market Segment.** *(Please see ballot posted with Key Documents.)*

*NPRR1262, Ancillary Service Opt Out Clarification*

Mr. Goff noted his representation of Lancium on NPRR1262. Matt Arth reviewed the 2/4/25 ERCOT and Lancium Joint comments to NPRR1262, and requested that PRS continue to table NPRR1262 to provide time for finalization of the draft license agreement. PRS took no action on this item.

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

Mr. Goff noted his representation of the Texas Energy Buyers Alliance (TEBA) on NPRR1264.

Participants noted the WMS endorsement of NPRR1264 as amended by the 2/11/25 Constellation comments. Katie Rich reviewed the 3/11/25 Vistra comments to NPRR1264. Austin Rosel reviewed the 3/11/25 ERCOT comments to NPRR1264 and requested interested parties provide formal comments to the specific ERCOT questions by April 2, 2025, to help ERCOT better understand the business justification for NPRR1264. PRS took no action on this item.

*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 provided an overview of NPRR1268, NPRR1269, and NPRR1270 discussion at the February 19 and March 5, 2025 Real-Time Co-optimization plus Batteries Task Force (RTCBTF) meetings; 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 summarized the request for Urgent status for all three Revision Requests.

Andrew Reimers provided an overview of NPRR1268 and the 2/5/25 IMM comments. Mr. Siddiqi reviewed the 1/30/25 Hunt Energy Network and 3/7/25 Hunt Energy comments to NPRR1268. Participants reviewed the 2/25/25 TCPA comments to NPRR1268.

**Bill Barnes moved to grant NPRR1268 Urgent status; to recommend approval of NPRR1268 as amended by the 3/7/25 Hunt Energy Network comments; and to forward to TAC NPRR1268. Mr. Sams seconded the motion. The motion carried with one abstention from the Independent Generator (Vistra) Market Segment.** *(Please see ballot posted with Key Documents.)*

Dave Maggio provided an overview of NPRR1269, reviewed the 3/3/25 ERCOT comments to NPRR1269, and provided ERCOT’s perspective and analysis on potential impacts to the Real-Time Market (RTM) in having the Ancillary Service Demand Curve (ASDC) floor concept applied. Michele Richmond summarized the 3/4/25 TCPA comments to NPRR1269. John Russ Hubbard reviewed the 3/10/25 TIEC comments to NPRR1269. Mr. Reimers summarized the 3/11/25 IMM comments to NPRR1269. Participants discussed the appropriate levels and potential impact of ASDC floors within Reliability Unit Commitment (RUC), the Day-Ahead Market (DAM), and the RTM.

**Mr. Goff moved to grant NPRR1269 Urgent status; to recommend approval of NPRR1269 as amended by the 3/3/25 ERCOT comments; and to forward to TAC NPRR1269 and the 1/28/25 Impact Analysis. Mark Dreyfus seconded the motion. The motion failed with 13 objections from the Cooperative (2) (STEC, LCRA), Independent Generator (3) (Constellation, Vistra, Calpine), IPM (2) (Tenaska, SENA), IREP (2) (Reliant, Just Energy), Investor Owned Utility (IOU) (3) (CNP, AEP, TNMP) and Municipal (CPS Energy) Market Segments and five abstentions from the (COOP) (PEC), Independent Generator (Rpower), IOU (Oncor), and Municipal (2) (Austin Energy, GEUS) Market Segments.** *(Please see ballot posted with Key Documents.)*

**Shane Thomas moved to grant NPRR1269 Urgent status; to recommend approval of NPRR1269 as amended by the 3/4/25 TCPA comments; and to forward to TAC NPRR1269 and the 1/28/25 Impact Analysis. Ms. Rich seconded the motion. The motion carried with three objections from the Consumer (Consumer Residential, Occidental, City of Eastland) Market Segment.** *(Please see ballot posted with Key Documents.)*

Ms. Coleman noted NPRR1270 could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

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

Review of Revision Request Language (see Key Documents)

*NPRR1272, Voltage Support at Private Use Networks*

Participants reviewed NPRR1272 and requested to table NPRR1272 and refer the issue to ROS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1273, Appropriate Accounting for ESRs in PRC Calculation*

This item was considered with Urgent status above.

*NPRR1274, RPG Estimated Capital Cost Thresholds of Proposed Transmission Projects*

Robert Golen provided an overview of NPRR1273. Participants requested to table NPRR1274 and refer the issues to ROS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1275, Expansion of Qualifying Pipeline Definition for Firm Fuel Supply Service in Phase 3*

Mr. Arth provided an overview of NPRR1275. Ms. Rich reviewed the 3/10/25 Vistra comments to NPRR1275 and requested additional discussion of the issue. Supporters of the concepts in NPRR1275 noted the revisions match language already recommended by TAC in NPRR1169, Expansion of Generation Resources Qualified to Provide Firm Fuel Supply Service in Phase 2 of the Service.

**Mr. Barnes moved to recommend approval of NPRR1275 as submitted. Mr. Goff seconded the motion. The motion carried with one objection from the Independent Generator (Vistra) Market Segment.** *(Please see ballot posted with Key Documents.)*

Notice of Withdrawal (See Key Documents)

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

Ms. Colemen noted the withdrawal of SCR827.

Other Business

There was no other business.

Combined Ballot

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

* **To approve the February 12, 2025 PRS meeting minutes as presented**
* **To grant NPRR1273 Urgent status; to recommend approval of NPRR1273 as submitted; and to forward to TAC NPRR1273 and the 2/12/25 Impact Analysis**
* **To table NPRR1226**
* **To endorse and forward to TAC the 2/12/25 PRS Report and 10/14/24 Impact Analysis for NPRR1256 with a recommended priority of 2027 and rank of 4800**
* **To endorse and forward to TAC the 2/12/25 PRS Report and 3/11/25 Impact Analysis for SCR829 with a recommended priority of 2025 and rank of 4560**
* **To recommend approval of NPRR1214 as amended by the 1/28/25 ERCOT comments**
* **To grant NPRR1270 Urgent status; to recommend approval of NPRR1270 as submitted; and to forward to TAC NPRR1270 and the 1/28/25 Impact Analysis**
* **To recommend approval of NPRR1271 as submitted**
* **To table NPRR1272 and refer the issue to ROS**
* **To table NPRR1274 and refer the issue to ROS**

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

Adjournment

Ms. Coleman adjourned the March 12, 2025 PRS meeting at 1:56 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/03122025-PRS-Meeting> unless otherwise noted. [↑](#footnote-ref-2)