**APPROVED**

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

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

**Wednesday, January 15, 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, Michael | 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) |  |
| Trevino, Melissa | Occidental Chemical (Occidental) |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
| Xie, Fei | Austin Energy |   |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Allen, Thresa | Avangrid Renewables | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions (CES) | Via Teleconference |
| Ashley, Kristy | CES | Via Teleconference |
| Baker, Bryan |  | 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 |
| Brown, Chris | Public Utility Commission of Texas (PUCT)  | Via Teleconference |
| Casias, Jade | GSEC | Via Teleconference |
| Chan, Vanessa | ENEL | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | SEnergy | Via Teleconference |
| Cruz-Montes, Michael |  | Via Teleconference |
| Davis, Tony | WETT | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Dillavou, Hayden | Balyasny Asset Management | Via Teleconference |
| Dollar, Zachary | PUCT | Via Teleconference |
| Dreyfus, Mark | MD Energy Consulting | Via Teleconference |
| Duensing, Allison | Sarac Energy | Via Teleconference |
| Frederick, Jennifer | AEP | Via Teleconference |
| Gilman, Portia | Yes Energy | Via Teleconference |
| Goff, Eric | Texas Energy Buyers Alliance (TEBA) for NPRR1264 Only  |  |
| Hackett, Tyler | TXU | Via Teleconference |
| Hanson, Kevin | Invenergy |  |
| Headrick, Bridget | CES | Via Teleconference |
| Heith, Mattie | Calpine | Via Teleconference |
| Helton, Bob | Engie North America (Engie) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | Via Teleconference |
| Jewell, Michael | Jewell and Associates | Via Teleconference |
| Jha, Monica | Vistra | Via Teleconference |
| Jones, Monica | CNP | Via Teleconference |
| Keefer, Andrew | DME | Via Teleconference |
| Keller, Jenna | PUCT | Via Teleconference |
| King, Blake | Galaxy Digital | Via Teleconference |
| Kroskey, Tony | Brazos | Via Teleconference |
| Langdon, James | Vistra | Via Teleconference |
| Lasher, Warren | Lasher Energy | Via Teleconference |
| Leverett, Travis | WETT | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Lu, Bo | Engie | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| Macias, Jesse | AEP Texas | Via Teleconference |
| Martinez, Casey |  | Via Teleconference |
| Mathew, Shirley | Texas Reliability Entity, Inc. (TRE) | Via Teleconference |
| Matos, Chris | Google | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| McMurray, Creighton | Spencer Fane | Via Teleconference |
| Miller, Alex | EDF Renewables | Via Teleconference |
| Neel, Evan | Lancium | Via Teleconference |
| Neville, Zach | CES | Via Teleconference |
| Nicholson, Tyler | PUCT | Via Teleconference |
| O’Neill, Jennifer | Texas Pipelines | Via Teleconference |
| Pearson, Arthur |  | 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 |
| Pueblor, Jameel | Occidental |  |
| Pyka, Greg | SEnergy | Via Teleconference |
| Rasmussen, Erin | AEP |  |
| Reedy, Steve | CIM View Consulting |  |
| Rich, Katie | Luminant Generation (Luminant)  |  |
| Rico, Guillermo | CPS Energy |  |
| Ritch, John | Trafigura | Via Teleconference |
| Safko, Trevor | LCRA |  |
| Scott, Kathy | CNP |  |
| Sersen, Julia | Baker Botts | Via Teleconference |
| Siddiqi, Shams | Crescent Power | Via Teleconference |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| Smith, Mark | CMC Steel Texas | Via Teleconference |
| Snyder, Bill | AEP Texas | Via Teleconference |
| Stephens, Caleb | OCI Energy | Via Teleconference |
| Stice, Clayton |  |  |
| Teng, Shuye | Constellation |  |
| Townsend, Paul | Texas Competitive Power Advocates (TCPA) | Via Teleconference |
| Trefny, Floyd | ERCOT Steel Mills  | Via Teleconference |
| Trevino, Joe | CPS Energy | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Wagner, Julia | PUCT | Via Teleconference |
| Watson, Markham |  | Via Teleconference |
| Welch, Matt | GSEC | Via Teleconference |
| Wilson, Joe Dan | GSEC | Via Teleconference |
| Withrow, David | AEP  |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Zang, Hailing | TC Energy | Via Teleconference |
| *ERCOT Staff* |  |  |
| Abbott, Kristin |  | Via Teleconference |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |   |
| Azeredo, Chris |  | Via Teleconference |
| Badri, Sreenivas |  | Via Teleconference |
| Benavides, Marcos |  |  |
| Blevins, Bill  |  |  |
| Boren, Ann |  |   |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| El-Madhoun, Mohamed |  | Via Teleconference |
| Findley, Samantha |  | Via Teleconference |
| Finke, Sidne |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  | Via Teleconference |
| Gross, Katherine |  |  |
| Hailu, Ted |  | Via Teleconference |
| Kang, Sun Wook |  | Via Teleconference |
| King, Ryan |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Maul, Donald |  | Via Teleconference |
| Mereness, Matt |  |  |
| Michelsen, Dave |  | Via Teleconference |
| Navarro Catalan, Manuel |  | Via Teleconference |
| Opheim, Calvin |  | Via Teleconference |
| Patterson, Mark |  |  |
| Phillips, Cory |  |   |
| Rainwater, Kim |  | Via Teleconference |
| Ramthun, Eli |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Shanks, Magie |  | Via Teleconference |
| Sheets, Jarod |  | Via Teleconference |
| Sills, Alex |  | Via Teleconference |
| Snitman, Julie |  | Via Teleconference |
| Thompson, Chad |  | Via Teleconference |
| Troublefield, Jordan |  | Via Teleconference |
| Wasik-Gutierrez, Erin |  |  |
| Zamarripa, Isay |  | Via Teleconference |
| Zhou, Emily |  | Via Teleconference |

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

Suzy Clifton called the January 15, 2025 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Election of 2025 PRS Chair and Vice Chair (see Key Documents)[[1]](#footnote-2)

Ms. Clifton reviewed the leadership election process codified in the Technical Advisory Committee

Procedures and opened the floor for nominations.

**Eric Blakey nominated Diana Coleman for 2025 PRS Chair.** Ms. Coleman accepted the nomination. **Ms. Coleman was named 2025 PRS Chair by acclamation.**

**Jim Lee nominated Andy Nguyen for 2025 PRS Vice Chair.** Mr. Nguyen accepted the nomination. **Mr. Nguyen was named 2025 PRS Vice Chair by acclamation.**

Approval of Minutes (see Key Documents)

*December 12, 2024*

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

Technical Advisory Committee (TAC) Update

Ms. Coleman noted that TAC had not met since the December 12, 2024 PRS meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights and summarized 2024 and 2025 release targets, including the

Real-Time Co-optimization Plus Batteries (RTC+B) sequence for market trials, transition, go-live and stabilization. Mr. Anderson further reviewed the major projects timeline, noted the anticipated parallel project efforts for RTC+B stabilization and Dispatchable Reliability Reserve Service (DRRS), stated that the Performance Credit Mechanism (PCM) project has been determined not practicable following the December 19, 2024 Public Utility Commission of Texas (PUCT) meeting, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson highlighted the process for reporting the outcomes of additional Full-time Employees (FTEs) required by Revision Request projects, presented the draft Revision Request list for additional FTEs for the previous four years, offered to provide a final list at a future PRS meeting following additional internal discussions, and responded to participant questions and concerns. Mr. Anderson reviewed the December 19, 2024 Technology Working Group (TWG) meeting agenda items and encouraged participants to attend the January 30, 2025 TWG meeting.

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

*Nodal Protocol Revision Request (NPRR) 1251, Updated FFSS Fuel Replacement Costs Recovery Process*

Participants reviewed the 8/28/24 Impact Analysis for NPRR1251.

**John Varnell moved to endorse and forward to TAC the 12/12/24 PRS Report and 8/28/24 Impact Analysis for NPRR1251. Shane Thomas seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment.** *(Please see ballot posted with Key Documents.)*

*NPRR1253, Incorporate ESR Charging Load Information into ICCP*

Matt Mereness highlighted that NPRR1253 would not be applicable after RTC+B project implementation per the review and discussion at the January 14, 2024 Real-Time Co-optimization plus Batteries Task Force (RTCBTF) meeting. Mark Patterson summarized the 1/14/25 ERCOT comments to NPRR1253. Participants discussed potential clarifications to the NPRR that would allow for the data to be available through Inter-Control Center Communications Protocol (ICCP) only as a solution to address the resource constraint issues identified in the 1/14/25 ERCOT comments. Cory Phillips reviewed the Revision Request timeline for NPRR1253 implementation prior to Summer 2025. Participants reviewed the 1/14/25 Impact Analysis and appropriate priority and rank for NPRR1253.

**Mr. Goff moved to endorse and forward to TAC the 12/12/24 PRS Report and 1/14/25 Impact Analysis for NPRR1253 with a recommended priority of 2025 and rank of 4225**. Ms. Trevino seconded the motion. Mr. Phillips reviewed the process for Revision Request consideration on the combined ballot. Mr. Goff withdrew his motion. Ms. Trevino removed her second. Ms. Coleman confirmed this item for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1257, Limit on Amount of RRS a Resource can Provide Using Primary Frequency Response*

Katie Rich summarized the Reliability and Operations Subcommittee (ROS) action on the related Nodal Operating Guide Revision Request (NOGRR) 271 at the January 9, 2025 ROS meeting. Participants reviewed the 10/21/24 Impact Analysis for NPRR1257. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1259, Update Section 15 Level Response Language*

*NPRR1260, Corrections for CLR Requirements Inadvertently Removed*

*NPRR1261, Operational Flexibility for CRR Auction Transaction Limits*

Participants reviewed the 10/30/24 Impact Analysis for NPRR1259, 11/6/24 Impact Analysis for NPRR1260, and 11/13/24 Impact Analysis for NPRR1261. Ms. Coleman noted these items could be considered for inclusion in the [Combined Ballot.](#Ballot)

*System Change Request (SCR) 828, Increase the Number of Resource Certificates Permitted for an Email Domain in RIOO*

Participants reviewed the 1/14/25 Impact Analysis and appropriate priority and rank for SCR828. 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*

*NPRR1226, Demand Response Monitor*

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

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

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

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

*NPRR1255, Introduction of Mitigation of ESRs*

*NPRR1256, Settlement of MRA of ESRs*

*NPRR1262, Ancillary Service Opt Out Clarification*

*SCR826, ERCOT.com Enhancements*

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

PRS took no action on these items.

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

Participants noted the Wholesale Market Subcommittee (WMS) endorsement of NPRR1241 as amended by the 12/3/24 Luminant comments. Katie Rich reviewed the 12/3/24 Luminant comments.

**Ms. Rich moved to recommend approval of NPRR1241 as amended by the 12/3/24 Luminant comments. Blake Holt seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment**. *(Please see ballot posted with Key Documents.)*

Review of Revision Request Language (see Key Documents)

*NPRR1263, Remove Accuracy Testing Requirements for CCVTs*

Participants requested PRS table NPRR1263 for further review by the Meter Working Group (MWG). Some participants questioned whether manufacturers are able to provide the data to resolve the issue. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Eric Goff, representing the Texas Energy Buyers Alliance (TEBA), provided an overview of NPRR1264 and noted the related Revision Requests at WMS, ROS, and the Retail Market Subcommittee (RMS). In response to participant questions and concerns, Mr. Goff proposed the possibility of NPRR1264 allowing for the opt-in of non-ERCOT generators and reiterated that NPRR1264 will support voluntary buyers and sellers for projected retail; that facility names will remain confidential; that there is opportunity for expansion of third-party roles; and that NPRR1264 was composed with help of effected contracted vendors. Some participants doubted the necessity of NPRR1264 and cited concern regarding potential cost. Mr. Goff noted that NPRR1264 allows ERCOT to outsource program administration as potential cost-saving measure.

**Bryan Sams moved to table NPRR1264 and refer the issue to WMS. Caitlin Smith seconded the motion.** **The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1265, Unregistered Distributed Generator*

Bill Blevins provided an overview of NPRR1265. Participants discussed the viability of collecting the data points proposed in NPRR1265 for both existing and new Distributed Generation (DG) (citing the broad language in HB 3390), as well as the proposed Megawatt (MW) levels within the definitions of DG and Unregistered Distributed Generators (UDG). Participants requested tabling NPRR1265 for additional discussions at the Network Data Support Working Group (NDSWG). Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Katherine Gross provided an overview of NPRR1266. Some participants expressed concern for the lack of a process to verify data provided to the Transmission Service Provider (TSP). Participants requested further review of the issues by RMS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*SCR829, API for the NDCRC Application*

Shuye Teng provided an overview of SCR820. Sreenivas Badri summarized extensive discussions on the concepts in SCRR829 at previous 2024 TWG meetings. 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*

Bradley Lewis provided an overview of SCR830. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Other Business

*2025 PRS Goals*

Ms. Coleman encouraged participants to offer potential revisions to the 2024 PRS Goals to PRS leadership and noted further discussion on the 2025 PRS Goals at the February 12, 2025 PRS meeting.

Combined Ballot

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

* **To approve the December 12, 2024 PRS Meeting Minutes as presented**
* **To endorse and forward to TAC the 12/12/24 PRS Report and 1/14/25 Impact Analysis for NPRR1253 with a recommended priority of 2025 and rank of 4225**
* **To endorse and forward to TAC the 12/12/24 PRS Report and 10/21/24 Impact Analysis for NPRR1257**
* **To endorse and forward to TAC the 12/12/24 PRS Report and 10/30/24 Impact Analysis for NPRR1259**
* **NPRR1260 - To endorse and forward to TAC the 12/12/24 PRS Report and 11/6/24 Impact Analysis for NPRR1260**
* **To endorse and forward to TAC the 12/12/24 PRS Report and 11/13/24 Impact Analysis for NPRR1261**
* **To endorse and forward to TAC the 12/12/24 PRS Report and 1/14/25 Impact Analysis for SCR828 with a recommended priority of 2025 and rank of 4550**
* **To table NPRR1263 and refer the issue to WMS**
* **To table NPRR1265 and refer the issue to ROS**
* **To table NPRR1266 and refer the issue to RMS**
* **To recommend approval of SCR829 as submitted**
* **To recommend approval of SCR830 as submitted**

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

Adjournment

Ms. Coleman adjourned the January 15, 2025 PRS meeting at 12:43 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/01152025-PRS-Meeting> unless otherwise noted. [↑](#footnote-ref-2)