**APPROVED**

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

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

**Thursday,** **October 17,** **2024 – 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Blakey, Eric  | Pedernales Electric Cooperative (PEC)  |   |
| Coleman, Diana | CPS Energy |  |
| Goff, Eric | Residential Consumer  |   |
| Henson, Martha | Oncor Electric Delivery (Oncor)  |   |
| Lee, Jim | CenterPoint Energy (CNP) |   |
| Mindham, David | EDP Renewables North America (EDP Renewables) | Via Teleconference |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |   |
| Trevino, Melissa | Occidental Chemical (Occidental) | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) | Via Teleconference |
| Xie, Fei | Austin Energy |   |
|  |  |  |
| *Guests:* |  |  |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Allen, Thresa | Avangrid Renewables | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions (CES) | Via Teleconference |
| Beard, Mason | Hunt Energy | Via Teleconference |
| Beckman, Kara | NextEra Energy | Via Teleconference |
| Berg, Justin | Equilibrium Energy | Via Teleconference |
| Berry, DJ | LCRA | Via Teleconference |
| Bevill, Rob | Texas-New Mexico Power (TNMP)  |  |
| Bivens, Carrie | NextEra Energy | Via Teleconference |
| Chwialkowski, Todd | EDF Renewables | Via Teleconference |
| Cockrell, Justin | DC Energy | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | SEnergy | Via Teleconference |
| Dowling, Chase | Base Power Company | Via Teleconference |
| Dreyfus, Mark | City of Eastland |  |
| Duensing, Allison | Sarac Energy | Via Teleconference |
| Elen, Mary | OPUC | Via Teleconference |
| Fink, Regan | PG Renewables | Via Teleconference |
| Goff, Eric | Goff Policy NPRR1202; Texas Energy Buyers Alliance (TEBA) for NPRR1250 Only |   |
| Headrick, Bridget | CES | Via Teleconference |
| Heith, Mattie | Calpine | Via Teleconference |
| Helton, Bob | ENGIE |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) | Via Teleconference |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | Via Teleconference |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jewell, Michael | Jewell and Associates | Via Teleconference |
| Jha, Monica | Vistra | Via Teleconference |
| Jones, Dan |  | Via Teleconference |
| Kasali, Tosin | Hecate Grid | Via Teleconference |
| Kee, David | CPS Energy | Via Teleconference |
| Keefer, Andrew | City of Denton | Via Teleconference |
| Kilroy, Taylor | TPPA | Via Teleconference |
| Loew, Beverly | Goff Policy | 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 |
| McDaniel Wyman, Constance | Wyman Ideas, LLC | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Miller, Alex | EDF Renewables | Via Teleconference |
| Morris, Sandy | WETT | Via Teleconference |
| Moser, Jesse | NextEra Energy | Via Teleconference |
| Neel, Evan | Lancium | Via Teleconference |
| Neville, Zach | CES | Via Teleconference |
| Oxendine, Helen | CPS Energy | Via Teleconference |
| Pokharel, Nabaraj | Office of Public Utility Counsel (OPUC) | Via Teleconference |
| Price, Mark | DC Energy | Via Teleconference |
| Pyka, Greg | SEnergy | Via Teleconference |
| Reed, Ronald | CNP | Via Teleconference |
| Reedy, Steve | CIM View Consulting |   |
| Rich, Katie | Luminant Generation (Luminant)  | Via Teleconference |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | Via Teleconference |
| Rochelle, Jennifer | CES |  |
| Sablosky, Maximillian | Qcells | Via Teleconference |
| Safko, Trevor | LCRA |  |
| Scott, Kathy | CNP | Via Teleconference |
| Sersen, Juliana | Baker Botts  | Via Teleconference |
| Shaw, Pam |  | Via Teleconference |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| Smith, Mark | CMC Steel Texas | Via Teleconference |
| Snyder, Bill | AEP Texas | Via Teleconference |
| Teng, Shuye | Constellation | Via Teleconference |
| Thomas, Shane | SENA | Via Teleconference |
| Townsend, Paul | TCPA | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Van Winkle, Kim | PUCT | Via Teleconference |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Wagner, Julie | PUCT | Via Teleconference |
| Wilson, Joe Dan | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| Withrow, David | AEP | Via Teleconference |
| Wittmeyer, Bob | Longhorn Power |  |
| Younger, Joseph | Texas Reliability Entity (Texas RE) | Via Teleconference |
| Zang, Hailing | TC Energy | Via Teleconference |
| Zhang, Mandy | GEUS | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |   |
| Arth, Matt |  | Via Teleconference |
| Boren, Ann |  | Via Teleconference |
| Carswell, Cory |  | Via Teleconference |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Drake, Gordon |  |  |
| Finke, Sidney |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gnanam, Prabhu |  |  |
| Gonzalez, Ino |  | Via Teleconference |
| Gross, Katherine |  | Via Teleconference |
| Hanson, Pamela |  |   |
| Hobbs, Kristi |  | Via Teleconference |
| King, Ryan |  |   |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Meier, Kennedy |  |  |
| Mereness, Matt |  | Via Teleconference |
| Opheim, Calvin |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Phillips, Cory |  |   |
| Rainwater, Kim |  | Via Teleconference |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Scheel, Richard |  |  |
| Schue, Jamie |  | Via Teleconference |
| Schmidt, Matthew |  | Via Teleconference |
| Springer, Agee |  |  |
| Snitman, Julie |  | Via Teleconference |
| Troublefield, Jordan |  | Via Teleconference |
| Wasik-Gutierrez, Erin |  |  |
| Yan, Ping |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
| Zhang, Bryan |  | Via Teleconference |

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

Diana Coleman called the October 17, 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)

*September 12, 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 September 19, 2024 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2024 and 2025 release targets, reviewed the update on Revision Request Aging Projects, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson reviewed the September 26, 2024 Technology Working Group (TWG) meeting agenda and encouraged participants to attend the October 24, 2023 TWG meeting.

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

*Nodal Protocol Revision Request (NPRR) 1180, Inclusion of Forecasted Load in Planning Analyses*

Prabhu Gnanam summarized the 10/16/24 ERCOT comments to NPRR1180. Market Participants reviewed the 10/16/24 Impact Analysis; Reason for Revision, and Justification of Reason for Revision and Market Impacts; and discussed the appropriate priority and rank for NPRR1180. Some participants expressed concern that the 10/16/24 Impact Analysis is too broad and exceeds the scope of NPRR1180 and requested ERCOT reconsider the impacts. Mr. Anderson stated that ERCOT could not commit to changes, but offered to consider the concerns and a potential relook before the October 30, 2024 TAC meeting. Kristi Hobbs reviewed the timeline, noting that it was not uncommon for legislation to get further defined in the protocols; HB5066 was enacted in June 2023 and therefore not considered in the development of the 2024-2025 ERCOT budget. In response to participant concerns, Richard Scheel reviewed the parameters of the ERCOT budget process and the funding related to legislative priorities.

**Rob Bevill moved to endorse and forward to TAC the 9/12/24 PRS Report and 10/16/24 Impact Analysis for NPRR1180. Eric Goff seconded the motion. The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1239, Access to Market Information*

*NPRR1240, Access to Transmission Planning Information*

Market Participants reviewed the respective 7/2/24 Impact Analysis to NPRR1239 and NPRR1240. Mr. Anderson requested tabling both NPRR1239 and NPRR1240 to allow for additional internal review of the Impact Analyses for efficiencies. Ms. Coleman noted these items could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1245, Additional Clarifying Revisions to Real-Time Co-Optimization*

*NPRR1248, Correction to NPRR1197, Optional Exclusion of Load from Netting at EPS Metering Facilities which Include Resources*

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

*NPRR1249, Publication of Shift Factors for All Active Transmission Constraints in the RTM*

Market Participants reviewed the 10/15/24 Impact Analysis and discussed the appropriate priority and rank for NPRR1249. 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*

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

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

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

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

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

*NPRR1242, Related to VCMRR042, SO2 and NOx Emission Index Prices Used in Verifiable Cost Calculations*

*NPRR1251, Updated FFSS Fuel Replacement Costs Recovery Process*

*NPRR1252, Pre-notice for Sharing of Some Information, Addition of Research and Innovation Partner, Clarifying Notice Requirements*

*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.

*NPRR1202, Refundable Deposits for Large Load Interconnection Studies*

Bob Wittmeyer reviewed the 10/1/24 Longhorn Power comments. Bill Blevins reviewed the 10/15/24 ERCOT comments to NPRR1202. Some Market Participants expressed support for NPRR1202. Ms. Coleman encouraged participants to attend the October 18, 2024 Wholesale Market Working Group (WMWG) meeting to further discuss the issues.

*NPRR1226, Demand Response Monitor*

Ms. Coleman reminded participants of NPRR1226 discussion at the September 12, 2024 PRS meeting and encouraged participants attend the TWG meeting to further discuss the issues.

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

Ms. Coleman stated that ERCOT is developing comments to NPRR1234 and noted that the issues are anticipated to be discussed at the November 12, 2024 Planning Working Group (PLWG) meeting.

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

Participants acknowledged the various comments to NPRR1235 and consolidated discussion at the Supply Analysis Working Group (SAWG). PRS took no action on this item.

*NPRR1243, Revision to Requirements for Notice and Release of Protected Information or ECEII to Certain Governmental Authorities*

Ms. Henson reviewed the 10/14/24 Oncor comments to NPRR1243. Some participants requested additional time to review the issues. PRS took no action on this item.

*NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model Era*

Market Participants reviewed the 9/20/24 ERCOT comments and noted the recent Reliability and

Operations Subcommittee (ROS) vote to recommend approval of the related Nodal Operating Guide Revision Request (NOGRR) 268 and Planning Guide Revision Request (PGRR) 118. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1247, Incorporation of Congestion Cost Savings Test in Economic Evaluation of Transmission Projects*

Ms. Coleman reminded participants of the NPRR1247 discussion at the September 12, 2024 PRS meeting. Participants noted that NPRR1247 was discussed at the September 24, 2024 and October 16, 2024 PLWG meetings, and that the issues will be taken up again at the October 29, 2024 Special PLWG meeting in order to provide an additional opportunity for consensus on the potential solutions.

*NPRR1250, RPS Mandatory Program Termination*

Austin Rosel reminded participants of the desired timing of NPRR1250 implementation in relation to HB 1500, and requested potential alternate solutions be considered in a separate Revision Request. Mr. Goff noted that the Texas Energy Buyers Alliance (TEBA) is developing potential clarifications and stated they are working with ERCOT Staff to consider the appropriate solution to move forward.

Review of Revision Request Language (see Key Documents)

*NPRR1253, Incorporate ESR Charging Load Information into ICCP*

Market Participants reviewed NPRR1253. Mark Patterson reviewed the 10/10/24 ERCOT comments to NPRR1253. Market Participants requested PRS to table NPRR1253 to give the sponsor an opportunity to file comments providing clarification regarding Comma Separated Value (CSV) and Extensible Markup Language (XML) files. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1254, Modeling Deadline for Initial Submission of Resource Registration Data*

Agee Springer provided an overview of NPRR1254. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1255, Introduction of Mitigation of ESRs*

Ryan King provided an overview of NPRR1255; referenced TAC, Wholesale Market Subcommittee (WMS), and Congestion Management Working Group (CMWG) conversations that contributed to the development of NPRR1255; and cited sensitivity analysis performed for interval impacts in the development of its concepts. Some Market Participants requested additional time to review the issues. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Other Business

*2025 ERCOT Membership / Segment Representative Elections*

Suzy Clifton reminded Market Participants that the Membership Record date is Friday, November 1, 2024; noted that, on September 20, 2024, Membership Services sent Market Notice M-A092024-01, General, ERCOT Membership Application for 2025 Membership Year Now Available Online, and on October 11, 2024, reminder Market Notice M-A092024-02; and stated that 2025 Segment Representative Elections for TAC and Subcommittees would begin Tuesday, November 5, 2024.

*November and December PRS Meetings*

Ms. Coleman reviewed potential meeting efficiencies for the November 14, 2024 and December 12, 2024 PRS meetings in consideration of PUCT Open meeting conflicts. Participants expressed support for a 1:00 p.m. start time for the November 14, 2024 PRS meeting.

Combined Ballot

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

* **To approve the September 12, PRS Meeting Minutes as presented**
* **To table NPRR1239**
* **To table NPRR1240**
* **To endorse and forward to TAC the 9/12/24 PRS Report and 7/30/24 Impact Analysis for NPRR1245**
* **To endorse and forward to TAC the 9/12/24 PRS Report and 8/16/24 Impact Analysis for NPRR1248**
* **To endorse and forward to TAC the 9/12/24 PRS Report and 10/15/24 Impact Analysis for NPRR1249 with a recommended priority of 2026 and rank of 4740**
* **To recommend approval of NPRR1246 as amended by the 9/20/24 ERCOT comments**
* **To table NPRR1253**
* **To recommend approval of NPRR1254 as submitted**
* **To table NPRR1255**

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

Adjournment

Ms. Coleman adjourned the October 17, 2024 PRS meeting at 11:40 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/10172024-PRS-Meeting> unless otherwise noted. [↑](#footnote-ref-2)