**DRAFT**

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

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

**Thursday,** **August 8,** **2024 – 9:30 a.m.**

Attendance

*PRS Representatives:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) | Via Teleconference |
| Blakey, Eric | Pedernales Electric Cooperative |  |
| Coleman, Diana | CPS Energy |  |
| Goff, Eric | Residential Consumer |  |
| Hauboldt, Rebecca | South Texas Electric Cooperative (STEC) | Alt. Rep. for Lucas Turner  Via Teleconference |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |  |
| Trevino, Melissa | Occidental Chemical (Occidental) | Via Teleconference |
| Turner, Lucas | STEC | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
| Winn, Aaron | Chariot Energy | Via Teleconference |
| Xie, Fei | Austin Energy |  |
|  |  |  |
| *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 |
| Beckman, Kara | NextEra Energy | Via Teleconference |
| Benson, Mariah | Texas Public Power Association (TPPA) | Via Teleconference |
| Berry, D.J. | LCRA | Via Teleconference |
| Bevill, Rob | Texas-New Mexico Power (TNMP) |  |
| Bivens, Carrie | NextEra Energy | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Marketing | Via Teleconference |
| Brown, Chris | Public Utility Commission of Texas (PUCT) | Via Teleconference |
| Bulzak, Jack | PUCT | Via Teleconference |
| Calzada, Gricelda | AEP | Via Teleconference |
| Clark, Jack | Spearmint Energy | Via Teleconference |
| Cortez, Sarai | Trailstone | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | SEnergy | Via Teleconference |
| Crist, Kelly | ENGIE | Via Teleconference |
| Davis, Derrick | Texas Reliability Entity (Texas RE) | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Dreyfus, Mark | City of Eastland | Via Teleconference |
| Fink, Regan | PG Renewables | Via Teleconference |
| Gant, Jim | Priority Power |  |
| Goff, Eric | For NPRR1188 – Lancium |  |
| Hailing, Zang | TC Energy | Via Teleconference |
| Haley, Ian | Morgan Stanley |  |
| Hall, Matthew | Invenergy | Via Teleconference |
| Heith, Mattie | Calpine | Via Teleconference |
| 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 |
| Kee, David | CPS Energy | Via Teleconference |
| Keefer, Andrew | City of Denton | Via Teleconference |
| Keller, Jenna | Potomac Economics | Via Teleconference |
| Kinser, Glenn | Total Energies | Via Teleconference |
| Kirby, Brandon | GEUS | Via Teleconference |
| Koz, Brian | Wolframium Power | Via Teleconference |
| Lasher, Warren | Lasher Energy Consulting | Via Teleconference |
| Loew, Beverly | Goff Policy, LLC | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Macaraeg, Tad | STEM | Via Teleconference |
| Macias, Jesse | AEP Texas | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McDaniel Wyman, Constance | Wyman Ideas, LLC | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Mendoza, Albert | Occidental | Via Teleconference |
| Miller, Alex | EDF Renewables | Via Teleconference |
| Morris, Sandy | WETT | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Neel, Evan | Lancium | Via Teleconference |
| Pietrucha, Doug | Texas Advanced Energy | Via Teleconference |
| Pokharel, Nabaraj | OPUC | Via Teleconference |
| Price, Mark | DC Energy | Via Teleconference |
| Pyka, Greg | SEnergy | Via Teleconference |
| Reed, Cyrus | Sierra Club | Via Teleconference |
| Reedy, Steve | CIM View Consulting |  |
| Rich, Katie | Luminant Generation (Luminant) |  |
| Safko, Trevor | LCRA | Via Teleconference |
| Sams, Bryan | Calpine | Via Teleconference |
| Scott, Kathy | CNP |  |
| Sersen, Juliana | Baker Botts | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| Smith, Mark | Mark Smith Law, LLC | Via Teleconference |
| Smith, Stephanie | Eolian Energy | Via Teleconference |
| Snyder, Bill | AEP Texas | Via Teleconference |
| Teng, Shuye | Constellation |  |
| Thomas, Shane | Shell Energy North America (SENA) | Via Teleconference |
| Townsend, Paul | TCPA | Via Teleconference |
| Trefny, Floyd | ERCOT Steel Mills | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | 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 |  |
| Wittmeyer, Bob | Longhorn Power | Via Teleconference |
| Zhang, Mandy | GEUS | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Troy |  |  |
| Arth, Matt |  | Via Teleconference |
| Azeredo, Chris |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Boren, Ann |  |  |
| Chu, Zhengguo |  | Via Teleconference |
| Darbin, Arsalan |  | Via Teleconference |
| Drake, Gordon |  |  |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Gross, Katherine |  | Via Teleconference |
| Hailu, Ted |  |  |
| Hanson, Pamela |  |  |
| Herrera, Shane |  | Via Teleconference |
| King, Ryan |  | Via Teleconference |
| Lee, Alex |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Meier, Kennedy |  |  |
| Michelsen, Dave |  | Via Teleconference |
| Morris, Sam |  | Via Teleconference |
| Moorty, Sai |  |  |
| Morris, Sam |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Phillips, Cory |  |  |
| Rainwater, Kim |  | Via Teleconference |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Snitman, Julie |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Springer, Agee |  | Via Teleconference |
| Thompson, Chad |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Wasik-Gutierrez, Erin |  | Via Teleconference |
| Zhang, Bryan |  | Via Teleconference |

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

Diana Coleman called the August 8, 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)

*July 18, 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 July 31, 2024 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2024 release targets, and noted major projects. Mr. Anderson reviewed the July 25, 2024 Technology Working Group (TWG) meeting agenda and encouraged participants to attend the August 29, 2024 TWG meeting.

*Review of Aging Projects*

Mr. Anderson presented the final Aging Revision Request Project Review, including 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 and those considered for post-RTC+B implementation. Mr. Anderson highlighted future implementation challenges, resource constraints, and potential impacts to the RTC+B project, and stated that ERCOT Staff would continue to review for additional efficiencies and provide updates at future PRS meetings.

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

*Nodal Protocol Revision Request (NPRR) 1221, Related to NOGRR262, Provisions for Operator Controlled Manual Load Shed*

*NPRR1236, RTC+B Modifications to RUC Capacity Short Calculations*

Market Participants reviewed the 7/18/24 PRS Report and 3/20/24 Impact Analysis for NPRR1221 and 7/18/24 PRS Report and 6/4/24 Impact Analysis for NPRR1236. Ms. Coleman noted these items 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*

*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*

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

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

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

*NPRR1239, Access to Market Information*

*NPRR1240, Access to Transmission Planning Information*

*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.

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

Market Participants reviewed the 7/15/24 Oncor comments. Some participants voiced support for expanding the nodal treatment proposed within NPRR1188 to all large Loads, rather than only Controllable Load Resources (CLRs).

**John Varnell moved to recommend approval of NPRR1188 as amended by the 7/15/24 Oncor comments. Blake Holt seconded the motion.** **The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1226, Demand Response Monitor*

Ted Hailu reviewed the 8/7/24 ERCOT comments to NPRR1226, reiterated ERCOT’s desire to maintain the ability and flexibility to curate the location and specific format of the information presented for the dashboards on the ERCOT website, and requested NPRR1226 remain tabled to allow additional time for ERCOT Staff to review the information proposed with interested stakeholders. Floyd Trefny highlighted concepts in NPRR1226, increasing growth in Demand Response participation from Loads, reliability concerns, and challenges in obtaining the requested data. Participants reviewed the 8/7/24 WMS comments, noted concerns with actual data verses estimated data, and discussed the Revision Request timeline and potential next steps. PRS took no action on this item.

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

Michael Jewell reviewed the 8/7/24 Joint Commentors comments to NPRR1235 and suggested that ERCOT could consider making a commitment via an Objective and Key Result (OKR) to incorporate Energy Storage Resources (ESRs) in the second phase of Dispatchable Reliability Reserve Service. Matthew Arth noted that ERCOT used an OKR alongside the withdrawal of NPRR1203 due to the special circumstances associated with statutory timing considerations involved but that an OKR may not be the appropriate means by which to make a commitment in this case. Participants noted the 8/1/24 ROS comments to NPRR1235 and that the Wholesale Market Subcommittee (WMS) is still reviewing the issues. PRS took no action on this item.

*NPRR1237, Retail Market Qualification Testing Requirements*

Market Participants reviewed the 8/6/24 RMS comment to NPRR1237. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Review of Revision Request Language (see Key Documents)

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

Katie Rich provided an overview of NPRR1241. In response to participants questions and concerns, Ino Gonzalez confirmed that fuel-related failures are not covered by NPRR1241 and would continue to receive a 90-day clawback. Participants requested additional review of the issues by WMS. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Ms. Rich provided an overview of NPRR1242. Mr. Gonzalez reviewed the 8/2/24 ERCOT comments to NPRR1242. Participants noted the 8/7/24 WMS comments to NPRR1242 and requested additional time to review the proposed language. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

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

Kennedy Meier provided an overview of NPRR1243. Some participants expressed concern regarding the impacts to pre-disclosure notice when confidential information is provided to federal agencies and requested additional time to review the language. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

*NPRR1244, Related to NOGRR263, Clarification of Controllable Load Resource Primary Frequency Response Responsibilities*

Jim Gant provided an overview of NPRR1244 and the related Nodal Operating Guide Revision Request, NOGRR263. Cory Phillips noted that the Reliability and Operations Subcommittee (ROS) voted to recommend approval of NOGRR263, as amended by the 7/22/24 Priority Power comments, at their August 1, 2024 ROS meeting. Ms. Coleman noted this item could be considered for inclusion in the [Combined Ballot.](#Ballot)

Notice of Withdrawal (see Key Documents)

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

Ms. Coleman noted that NPRR1232 was withdrawn.

Other Business

Ms. Coleman reviewed meeting efficiencies for Revision Requests tabled at PRS and encouraged PRS Seated Representatives and Voting Members to be prepared for potential action on these items at PRS meetings.

Combined Ballot

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

* **To approve the July 18, 2024 PRS Meeting Minute as presented**
* **To endorse and forward to TAC the 7/18/24 PRS Report and 3/20/24 Impact Analysis for NPRR1221**
* **To endorse and forward to TAC the 7/18/24 PRS Report and 6/4/24 Impact Analysis for NPRR1236**
* **To recommend approval of NPRR1237 as amended by the 8/6/24 RMS comments**
* **To table NPRR1241 and refer the issue to WMS**
* **To table NPRR1242**
* **To table NPRR1243**
* **To recommend approval of NPRR1244 as submitted**

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

Adjournment

Ms. Coleman adjourned the August 8, 2024 PRS meeting at 11:29 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/08082024-PRS-Meeting> unless otherwise noted. [↑](#footnote-ref-2)