**DRAFT**

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

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

**Thursday, August 10, 2023 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Coleman, Diana | CPS Energy |  |
| Cooksey, Matthew | Residential Consumer | Alt. Rep. for Eric Goff NPRR1186 and NPRR1188 Only Via Teleconference |
| Goff, Eric | Residential Consumer |  |
| Gross, Blake | AEP Service Corporation (AEPSC) |  |
| Hanson, Kevin | National Grid Renewables (NG Renewables) | Via Teleconference |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Mindham, David | EDP Renewables | Via Teleconference |
| Nguyen, Andy | Constellation Energy Generation (Constellation) | Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) |  |
| Richmond, Tim | Chariot Energy | Via Teleconference |
| 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:* |  |  |
| Abbott, Kristin | Austin Energy | Via Teleconference |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Andrews, Cameron | Austin Energy | Via Teleconference |
| Arth, Ariane | City of Austin | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Barati, Camron | Potomac Economics | Via Teleconference |
| Barr, Bill | LCRA | Via Teleconference |
| Batra-Shrader, Monica | Enchanted Rock | Via Teleconference |
| Benson, Mariah | PUCT | Via Teleconference |
| Berry, D | LCRA | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Bivens, Carrie | Potomac Economics | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |  |
| Bonskowski, Ned | Luminant |  |
| Brown, Chris | PUCT | Via Teleconference |
| Burkhead, Brett | Calpine | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Cook, Kristin | Southern Power | Via Teleconference |
| Conant, Portia | Yes Energy | Via Teleconference |
| Cortez, Sarai | Trailstone | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Daigneault, Ralph | Potomac Economics | Via Teleconference |
| Dazzo, Nicholas | Spearmint Energy | Via Teleconference |
| DeLeon, Seth | DME | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Dreyfus, Mark | City of Eastland |  |
| Duensing, Allison | Sarac Energy | Via Teleconference |
| Fogarty, Audrey | Jupiter Power | Via Teleconference |
| George, Sini | Got Rhythm | Via Teleconference |
| Ghoshal, Orijit | esVolta | Via Teleconference |
| Goff, Eric | Tesla for NPRR1186 Only |  |
| Goff, Eric | Lancium for NPRR1188 Only |  |
| Haley, Ian | Morgan Stanley | Via Teleconference |
| Hall, Matthew | Invenergy | Via Teleconference |
| Harriman, Chien | Eolian Energy |  |
| Headrick, Bridget | CES | Via Teleconference |
| Helton, Bob | Engie North America (Engie) |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) |  |
| Hubbard, John Russ | TIEC |  |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jewell, Michael | Eolian | Via Teleconference |
| Jolly, Emily | LCRA | Via Teleconference |
| Jones, Randy | Jupiter Power | Via Teleconference |
| Keefer, Andrew | DME | Via Teleconference |
| King, Robert | Good Company Associates | Via Teleconference |
| Kirby, Brandon | GEUS | Via Teleconference |
| Koz, Brian |  | Via Teleconference |
| Lacek, Mollie | Talen Energy | Via Teleconference |
| Lasher, Warren | Lasher Energy Consulting | Via Teleconference |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Lu, Bo | Broad Reach Power | Via Teleconference |
| Macaraeg, Tad | Stem | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McIntyre, Ken | Plus Power | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Morris, Sandy | WETT | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Nicholson, Tyler | PUCT | Via Teleconference |
| Okenfuss, James | SENA | Via Teleconference |
| Pallarez, Edward | Electronic Transmission Texas |  |
| Petajasoja, Ida | Stem | Via Teleconference |
| Pyka, Greg | Schneider Engineering | Via Teleconference |
| Ramaswamy, Ramya | PUCT | Via Teleconference |
| Ratliff, Shannon | Policy Design | Via Teleconference |
| Ravulapati, Bharath | LCRA | Via Teleconference |
| Reimers, Andrew | Lancium |  |
| Richmond, Michele | TCPA | Via Teleconference |
| Riley, Owen | Spearmint Energy | Via Teleconference |
| Ritch, John | NextEra | Via Teleconference |
| Ross, Richard | AEPSC | Via Teleconference |
| Sams, Bryan | Calpine |  |
| Scott, Kathy | CNP |  |
| Sharma Frank, Arushi | Tesla | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Smith, Mark | Mark Smith Law, LLC | Via Teleconference |
| Smith, Stephanie | Eolian, LP | Via Teleconference |
| Snyder, Bill | AEP | Via Teleconference |
| Stafford, Will | GSEC | Via Teleconference |
| Swigonski, Frank | Pine Gate Renewables | Via Teleconference |
| Thomas, Wayne | BTU | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Velasquez, Ivan | Oncor | Petäjäsoja |
| Walker, Floyd | PUCT | Via Teleconference |
| Welborn, Laura | Jupiter Power | Via Teleconference |
| White, Lauri | AEP Texas |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Wu, Tiffany | PUCT | Via Teleconference |
| Zang, Hailing | TC Energy | Via Teleconference |
| Zhang, Steven | Austin Energy | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Azeredo, Chris |  | Via Teleconference |
| Billo, Jeff |  |  |
| Blevins, Bill |  | Via Teleconference |
| Boren, Ann |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Devadhas Mohanadhas, Thinesh |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gross, Katherine |  | Via Teleconference |
| Hailu, Ted |  | Via Teleconference |
| Heinrich, Holly |  | Via Teleconference |
| Herrera, Shane |  | Via Teleconference |
| Lee, Alex |  | Via Teleconference |
| Levine, Jonathan |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| McGowan, Erin |  | Via Teleconference |
| Mereness, Matt |  | Via Teleconference |
| Michelsen, Dave |  | Via Teleconference |
| Moorty, Sai |  |  |
| Pedigo, Jake |  | Via Teleconference |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Sanchez, Daniel |  | Via Teleconference |
| Shaw, Pamela |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Stevens, Jim |  | Via Teleconference |
| Teixeira, Jay |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Wasik-Gutierrez, Erin |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
| Zhou, Emily |  | Via Teleconference |
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*Unless otherwise indicated, all Market Segments participated in the votes.*

Martha Henson called the August 10, 2023 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Approval of Minutes (see Key Documents)[[1]](#footnote-2)

*June 14, 2023*

*July 13, 2023*

Market Participants reviewed the June 14, 2023 Meeting Minutes. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot) The July 13, 2023 Meeting Minutes were deferred to the September 13, 2023 PRS meeting.

Technical Advisory Committee (TAC) Update

Ms. Henson reviewed the disposition of items considered at the July 25, 2023 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2023 and 2024 release targets, and noted projected re-start of the Real-Time Co-optimization (RTC) and Single-Model Energy Storage Resource (ESR) (“RTC+B”) project. Mr. Anderson stated that the Energy Management System (EMS) project go-live date is mid-November, reminded Market Participants of previous updates at the Reliability Operations Subcommittee (ROS) and Wholesale Market Subcommittees (WMS) meetings regarding the closed loop testing planned between September 18, 2023 through November 16, 2023, and stated that ERCOT will send a Market Notice 30 days before the testing begins. In response to Market Participants questions and concerns on the contingencies, dependencies, and risks to successfully delivering the RTC+B project and potential impacts to/from the EMS project and Nodal Protocol Revision Request (NPRR) 1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring project, Mr. Anderson reviewed the timeline for the EMS project, noted that ERCOT is in the documentation phase of the RTC+B project, and stated that once NPRR1186 is approved and formally in the project process, ERCOT would be in a better position to asses risks and challenges of these projects. Nitika Mago noted that the scope in NPR1186 is narrow to reduce impacts to project resources.

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

*NPRR1156, Priority Revision Request Process*

Ms. Henson noted that interested parties are developing a path forward in consideration of Texas House Bill 1500 and Public Utility Commission of Texas (PUCT) Staff filing in Project No. 52301, ERCOT Governance and Related Issues. PRS took no action on this item.

*NPRR1164, Black Start and Isochronous Control Capable Identification*

Market Participants reviewed the 7/13/23 PRS Report, 2/21/23 Impact Analysis, and appropriate priority and rank for NPRR1164. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding*

Market Participants reviewed the 7/13/23 PRS Report, 3/29/23 Impact Analysis, Business case, and appropriate priority and rank for NPRR1171. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1174, Market Participant’s Return of Settlement Funds to ERCOT Following Receipt of Overpayment*

Market Participants reviewed the 7/13/23 PRS Report and 4/24/23 Impact Analysis for NPRR1174. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1175, Revisions to Market Entry Financial Qualifications and Continued Participation Requirements*

Market Participants reviewed the 7/13/23 PRS Report and 4/25/23 Impact Analysis for NPRR1175. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1184, Update to Procedures for Managing Interest on Cash Collateral*

Market Participants reviewed the 8/2/23 ERCOT comments to NPRR1184 and expressed support to continue to table NPRR1184 awaiting the completion of the Impact Analysis. PRS took no action on this item.

*NPRR1185, HDL Override Payment Provisions for Verbal Dispatch Instructions*

Market Participants reviewed the 7/13/23 PRS Report and 7/18/23 Impact Analysis for NPRR1185. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1189, Updates to Language to Clarify the Allowable Regulation Ancillary Service Trades*

Market Participants reviewed the 7/13/23 PRS Report and 6/28/23 Impact Analysis for NPRR1189. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*System Change Request (SCR) 824, Increase File Size and Quantity Limits for RIOO Attachments*

Market Participants noted the 8/3/23 ERCOT comments for an alternative schedule for the Impact Analysis. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*Nodal Operating Guide Revision Request (NOGRR) 215, Limit Use of Remedial Action Schemes*

Market Participants reviewed the 8/3/23 ROS Report, 7/10/23 Revised Impact Analysis, Business Case and

ROS-recommended priority and rank for NOGRR215. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Revision Requests Tabled at PRS (see Key Documents)

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1162, Single Agent Designation for a QSE and its Sub-QSEs for Voice Communications over the ERCOT WAN*

*NPRR1170, Capturing Natural Gas Delivery Information for Natural Gas Generation Resources*

*NPRR1172, Fuel Adder Definition, Mitigated Offer Caps, and RUC Clawback*

*NPRR1179, Fuel Purchase Requirements for Resources Submitting RUC Fuel Costs*

*NPRR1180, Inclusion of Forecasted Load in Planning Analyses*

*NPRR1181, Submission of Seasonal Coal and Lignite Inventory Declaration*

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

PRS took no action on these items.

*NPRR1186*

Ms. Mago summarized the 7/31/23 ERCOT comments to NPRR1186. Shams Siddiqi summarized the 8/8/23 HEN comments to NPRR1186. Ken McIntyre and Chien Si Harriman summarized the 8/9/23 Joint Commenters comments to NPRR1186. Bob Wittmeyer summarized the 8/9/23 KCE BRP comments to NPRR1186. Randy Jones and Audrey Fogarty summarized the 8/9/23 Jupiter Power comments to NPRR1186. Opponents voiced concerns with the Urgent timeline for NPRR1186, the appropriateness of managing State of Charge (SOC) at the Resource level rather than the Qualified Scheduling Entity (QSE) level, and the appropriate treatment of SOC during Ancillary Service deployments. Ms. Mago reiterated that many of these issues will be addressed by the RTC+B project; that NPRR1186 largely serves as a stop-gap to address immediate grid reliability concerns until that project is ultimately implemented; and that ERCOT looks forward to collaborating with stakeholders on longer-term solutions for Energy Storage Resource (ESR)-related issues within the RTC+B project and beyond via subsequent NPRRs. Market Participants reviewed the 6/22/23 Impact Analysis, Business case, and appropriate priority and rank for NPRR1186.

**Bob Wittmeyer moved to recommend approval of NPRR1186 as amended by the 8/9/23 KCE BRP comments and to forward to TAC NPRR1186 and the 6/22/23 Impact Analysis with a recommended priority of 2023 and rank of 3595. Bill Barnes seconded the motion. The motion carried with three objections from the Independent Generator (3) (Jupiter Power, Eolian, Plus Power) Market Segment and two abstentions from the Independent Generator (Tesla) and Independent Power Marketer (IPM) (Tenaska) Market Segments.** *(Please see ballot posted with Key documents.)*

Review of Revision Request Language (see Key Documents)

*NPRR1190, High Dispatch Limit Override Provision for Increased NOIE Load Costs*

Market Participants reviewed NPRR1190 and questioned whether alternative approaches to this issue might already exist, such as participation in the Day-Ahead Market (DAM), and requested additional review by WMS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**Bob Helton moved to approve the Combined Ballot as follows:**

* **To approve the June 14, 2023, PRS Meeting Minutes as presented**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 2/21/23 Impact Analysis for NPRR1164 with a recommended priority of 2023 and rank of 3810**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 3/29/23 Impact Analysis for NPRR1171 with a recommended priority of 2024 and rank of 4050**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 4/24/23 Impact Analysis for NPRR1174**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 4/25/23 Impact Analysis for NPRR1175**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 7/18/23 Impact Analysis for NPRR1185**
* **To endorse and forward to TAC the 7/13/23 PRS Report and 6/28/23 Impact Analysis for NPRR1189**
* **To table SCR824**
* **To endorse the ROS-recommended priority of 2026 and rank of 4700 for NOGRR215**
* **To table NPRR1190 and refer the issue to WMS**

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

Other Business (see Key Documents)

*Other Binding Documents List*

Brittney Albracht summarized the proposed phased approach for changes to items on the Other Binding Document List, reviewed the Revision Requests in process, and presented the Updated OBD Move Information spreadsheet. Ms. Henson encouraged Market Participants that had questions or concerns with specific requirements for items on the list to contact Ms. Albracht directly.

2024 Meeting Schedule

Market Participants reviewed the 2024 Block Meeting schedule and expressed support to move the April PRS meeting to Monday, April 8, 2024 in consideration of the April 15, 2024 TAC meeting.

Adjournment

Ms. Henson adjourned the August 10, 2023 PRS meeting at 12:17 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/08102023-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-2)