**APPROVED**

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

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

**Thursday, July 13, 2023 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Coleman, Diana | CPS Energy |  |
| 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) |  |
| Pokharel, Nabaraj | OPUC | Alt. Rep. for Eric Goff for NPRR1186 Only Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| 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) |  |
| 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 |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Barr, Bill | LCRA | Via Teleconference |
| Batra-Shrader, Monica | Enchanted Rock | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Bivens, Carrie | Potomac Economics | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Power Marketing |  |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) | Via Teleconference |
| Bonskowski, Ned | Vistra |  |
| Brown, Chris | PUCT | Via Teleconference |
| Burke, Tom | RWE Renewables | Via Teleconference |
| Burkhead, Brett | Calpine | Via Teleconference |
| Callender, Hudson | CPS Energy | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Conant, Portia | Yes Energy | Via Teleconference |
| Cortez, Sarai | Trailstone | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Crist, Kelly | ENGIE | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Dreyfus, Mark | City of Eastland | Via Teleconference |
| Fink, Regan | PG Renewables | Via Teleconference |
| Fogarty, Audrey | Jupiter Power | Via Teleconference |
| Garcia, Miguel | SMT Energy | Via Teleconference |
| Ghoshal, Orijit | esVolta | Via Teleconference |
| Hall, Matthew | Invenergy | Via Teleconference |
| Hankins, Laura | LCRA | Via Teleconference |
| Harriman, Chien | Eolian Energy | Via Teleconference |
| Harvey, Julia | TEC | Via Teleconference |
| Holt, Blake | LCRA |  |
| Hubbard, John Russ | TIEC | Via Teleconference |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jewell, Michael | Eolian |  |
| Jones, Randy | Jupiter Power | Via Teleconference |
| Kee, David | CPS Energy |  |
| Keefer, Andrew | DME | 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 |
| Malone, Brad | Eolian | Via Teleconference |
| Mar, Mike | ENGIE | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| McClellan, Suzi | Good Company Associates | Via Teleconference |
| McDaniel Wyman, Constance |  | Via Teleconference |
| McIntyre, Ken | Plus Power | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Negri, Cesar | Apex | Via Teleconference |
| Noyes, Theresa | LCRA |  |
| Okenfuss, James | Savion | Via Teleconference |
| Oliver, Jon | PUCT | Via Teleconference |
| Orr, Robert | Lone Star Transmission |  |
| Paes, Lucas | Omega Energia | Via Teleconference |
| Petajasoja, Ida | Stem | Via Teleconference |
| Pyka, Greg | Schneider Engineering | Via Teleconference |
| Ratliff, Shannon | Policy Design | Via Teleconference |
| Reedy, Steve | CIM View Consulting | Via Teleconference |
| Richmond, Michele | TCPA | Via Teleconference |
| Ritch, John | NextEra |  |
| Sams, Bryan | Calpine | Via Teleconference |
| Scott, Kathy | CNP |  |
| Sersen, Juliana | Baker Botts |  |
| Sharma Frank, Arushi | Tesla | Via Teleconference |
| Showalter, Dana | Plus Power | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Skipton, Jimmy | Baker Botts |  |
| Smith, Mark | Mark Smith Law, LLC | Via Teleconference |
| Smith, Stephanie | Eolian, LP | Via Teleconference |
| Snyder, Bill | AEP | Via Teleconference |
| Soukup, Ying | Eolian | Via Teleconference |
| Stafford, Will | GSEC | Via Teleconference |
| Thomas, Wayne | BTU | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Walcavich, Colin | NG Renewables | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Watson, Mark |  | Via Teleconference |
| Welborn, Laura | Jupiter Power | Via Teleconference |
| Williams, Wes | BTU | Via Teleconference |
| Wittmeyer, Bob | Broad Reach Power |  |
| Zhang, Wen | Potomac Economics | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Troy |  |  |
| Arth, Matt |  | Via Teleconference |
| Bigbee, Nathan |  |  |
| Billo, Jeff |  | Via Teleconference |
| Boren, Ann |  |  |
| Butler, Luke |  | Via Teleconference |
| Carswell, Cory |  |  |
| Chen, Jian |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dashnyam, Sanchir |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gnanam, Prabhu |  | Via Teleconference |
| Gonzalez, Ino |  | Via Teleconference |
| Hahne, Cynthia |  | Via Teleconference |
| Heinrich, Holly |  | Via Teleconference |
| Herrera, Shane |  | Via Teleconference |
| Hinojosa, Luis |  | Via Teleconference |
| Levine, Jonathan |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Mantena, Dan |  | Via Teleconference |
| McGowan, Erin |  | Via Teleconference |
| Meier, Eric |  | Via Teleconference |
| Moorty, Sai |  | Via Teleconference |
| Pedigo, Jake |  | Via Teleconference |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  | Via Teleconference |
| Rainwater, Kim |  | Via Teleconference |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Sanchez, Daniel |  | Via Teleconference |
| Shanks, Maggie |  | Via Teleconference |
| Shaw, Pamela |  |  |
| Solis, Stephen |  | Via Teleconference |
| Stevens, Jim |  | Via Teleconference |
| Stice, Clayton |  | Via Teleconference |
| Teixeira, Jay |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Wasik-Gutierrez, Erin |  |  |
| Yan, Ping |  | Via Teleconference |
| You, Haibo |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
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*Unless otherwise indicated, all Market Segments participated in the votes.*

Martha Henson called the July 13, 2023 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Technical Advisory Committee (TAC) Update

Ms. Henson reviewed the disposition of items considered at the June 27, 2023 TAC meeting and summarized the TAC discussion regarding meeting administration, including the Public Utility Commission of Texas (PUCT) Staff request that combined ballots be used for unanimous items only.

Project Update (see Key Documents)[[1]](#footnote-2)

Troy Anderson provided project highlights, summarized 2023 and 2024 release targets, noted projected re-start of the Real-Time Co-optimization (RTC) and Single-Model Energy Storage Resource (ESR) (“RTC+B”) project, reviewed additional project status information, and presented the priority and rank options for Revision Requests requiring a project.

Urgency Vote(s) (see Key Documents)

*Nodal Protocol Revision Request (NPRR) 1186, Improvements Prior to the RTC**+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring*

Ms. Henson reminded Market Participants of the June 22, 2023 workshop, regarding changes to improve monitoring and/or modeling of ESRs in ERCOT, wherein concepts in NPRR1186 were discussed; stated that NPRR1186 was reviewed at both the July 6, 2023 Reliability and Operations Subcommittee (ROS) and July 12, 2023 Wholesale Market Subcommittee (WMS) meetings and no action was taken; and noted that ERCOT is hosting an additional workshop, on July 19, 2023, to discuss NPRR1186 and associated potential improvements prior to RTC+B. Nitika Mago provided an overview of NPRR1186, presented the reason for urgency, and reviewed the 7/12/23 ERCOT comments. Stephanie Smith summarized the 7/6/23 Eolian comments to NPRR1186. Randy Jones summarized the 7/12/23 Jupiter comments. Ken McIntyre summarized the 7/7/23 Joint Commenters comments to NPRR1186. Mr. Anderson presented details on data points and impacts to ERCOT Systems in consideration of the Revision Request timeline for NPRR1186 and projected RTC+B project planning and development dates. Market Participants debated the justification for urgent status, the potential timeline for implementing the proposed State of Charge (SOC) changes prior to the RTC+B project, proposed benefits to Reliability Unit Commitment (RUC) and Security-Constrained Economic Dispatch (SCED) from NPRR1186’s changes, and perceived inequalities between requirements for ESRs versus other Resource types. Market Participants requested tabling NPRR1186 for additional review and discussion at the July 19, 2023 workshop.

**Bob Wittmeyer moved to grant NPRR1186 Urgent status and to table NPRR1186. Kevin Hanson seconded the motion. The motion carried with three objections from the Independent Generator (EDP Renewables, Jupiter Power, Eolian) Market Segment and eight abstentions from the Consumer (Occidental), Independent Generator (Tesla), Independent Power Marketer (IPM) (2) (Tenaska, NG Renewables), Independent Retail Electric Provider (IREP) (Chariot Energy), and Municipal (3) (CPS Energy, GEUS, Austin Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

Market Participants declined to grant SCR824 Urgent status.

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

*NPRR1156, Priority Revision Request Process*

PRS took no action on this item.

*NPRR1165, Revisions to Requirements of Providing Audited Financial Statements and Providing Independent Amount*

Market Participants reviewed the 6/14/23 PRS Report, 2/23/23 Impact Analysis, and appropriate priority and rank for NPRR1165.

**Eric Goff moved to endorse and forward to TAC the 6/14/23 PRS Report and 2/23/23 Impact Analysis for NPRR1165 with a recommended priority of 2023 and rank of 3800. Blake Holt seconded the motion. The motion carried with three abstentions from the Independent Generator (Eolian) and Municipal (2) (CPS Energy, GEUS) Market Segments**. (*Please see ballot posted with Key Documents.)*

*NPRR1182, Inclusion of Controllable Load Resources and Energy Storage Resources in the Constraint Competitiveness Test Process*

Market Participants reviewed the 6/14/23 PRS Report, 5/22/23 Impact Analysis, and appropriate priority and rank for NPRR1182. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1183, ECEII Definition Clarification and Updates to Posting Rules for Certain Documents without ECEII*

Market Participants reviewed the 6/14/23 PRS Report, 5/24/23 Impact Analysis, and appropriate priority and rank for NPRR1183. 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 7/13/23 ERCOT comments to NPRR1184 and expressed support to table NPRR1184 awaiting the completion of the of an Impact Analysis. 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*

*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*

PRS took no action on these items*.*

*NPRR1164, Black Start and Isochronous Control Capable Identification*

Market Participants noted the 7/7/23 ROS comments endorsing NPRR1164 as submitted. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Market Participants noted that proposed legislation did not pass and requested further discussion of NPRR1170 at WMS. Some Market Participants expressed concern for compliance obligations for entities that do not have the particular data ERCOT is requiring them to provide. 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 noted the 7/7/23 ROS comments endorsing NPRR1171 as submitted. 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 6/8/23 WMS comments, the 6/9/23 TPS comments, and the 6/26/23 CFSG comments 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 noted the 6/26/23 CFSG comments endorsing the 6/19/23 ERCOT comments as revised by the Credit Finance Sub Group (CFSG). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Review of Revision Request Language (see Key Documents)

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

Mr. Holt provided an overview of NPRR1185. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring*

This item was considered with urgent status.

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

Sai Moorty provided an overview of NPRR1188, noted that the concepts in NPRR1188 had been discussed in various forums, and encouraged Market Participants to provide formal comments to NPRR1188. Market Participants requested tabling to allow for additional time to review and for continued discussion at the Large Flexible Task Force (LFLTF). 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*

Jian Chen provided an overview of NPRR1189. Some Market Participants expressed a concern for trades between Resources providing Fast Responding Regulation Service (FRRS) and the language in NPRR1136, Updates to Language Regarding a QSE Moving Ancillary Service Responsibility Between Resources, verses concepts in NPRR1189 and requested further review by ROS.

Mr. Goff moved to table NPRR1189 and refer the issue to ROS. ERCOT Staff reviewed the concepts, noted the desire to align the grey-boxed language in NPRR1136 and existing requirements, and reminded Market Participants that these issues are resolved with the implementation of the RTC+B project. Mr. Goff withdrew the motion. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*SCR824, Increase File Size and Quantity Limits for RIOO Attachments*

Market Participants noted the modest increases proposed by SCR824 and requested ERCOT, as part of the Impact Analysis effort, determine how much of an additional increase in file quantities and sizes would be viable. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Notice of Withdrawal (See Key Documents)

*NPRR1146, Credit Changes to Appropriately Reflect TAO Exposure*

Ms. Henson noted the withdrawal of NPR1146.

Review of Other Binding Documents List (See Key Documents)

Brittney Albracht reminded Market Participants of the change control process for items on the Other Binding Document list and requested PRS consideration for the proposed removal of the “Annual Load Data Request Procedures” and updated Change Control Notes for the Verifiable Cost Manual to align with changes from Verifiable Cost Manual Revision Request (VCMRR) 036, Related to NPRR1157, Incorporation of PUCT Approval into Revision Request Process. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

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

* **To endorse and forward to TAC the 6/14/23 PRS Report and 5/22/23 Impact Analysis for NPRR1182 with a recommended priority of 2024 and rank of 4030**
* **To endorse and forward to TAC the 6/14/23 PRS Report and 5/24/23 Impact Analysis for NPRR1183 with a recommended priority of 2024 and rank of 4040**
* **To table NPRR1184**
* **To recommend approval of NPRR1164 as submitted**
* **To table NPRR1170 and refer the issue to WMS**
* **To recommend approval of NPRR1171 as submitted**
* **To recommend approval of NPRR1174 as amended by the 6/9/23 TPS comments**
* **To recommend approval of NPRR1175 as amended by the 6/26/23 CFSG comments**
* **To recommend approval of NPRR1185 as submitted**
* **To table NPRR1188**
* **To recommend approval of NPRR1189 as submitted**
* **To recommend approval of SCR824 as submitted**
* **To recommend approval of the Other Binding Documents List as presented**

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

Other Business

*2024 Meeting Schedule*

Ms. Henson noted that the 2024 Meeting Schedule is posted to the meeting page and deferred discussion of this item to the August 10, 2023 PRS meeting.

Adjournment

Ms. Henson adjourned the July 13, 2023 PRS meeting at 12:05 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/07132023-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-2)