**APPROVED**

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

**Webex Only**

**Thursday, February 11, 2021 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Day, Smith | Denton Municipal Electric |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Henson, Martha | Oncor |  |
| Mindham, David | EDP Renewables |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Alford, Anthony | CenterPoint Energy |  |
| Anderson, Kevin | Customized Energy Solutions |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Brewster, Chris | Lubbock Power and Light |  |
| Bruce, Mark | Cratylus Advisors |  |
| Burke, Tom | Invenergy |  |
| Checkley, Jim | CTT |  |
| Cook, Tim | CTT |  |
| Coultas, Ann | Enel |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Daigneault, Ralph | Potomac Economics |  |
| Donohoo, Kenneth | EPE Consulting |  |
| Downey, Marty | Jupiter Power |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Farhangi, Anoush | Demand Control 2 |  |
| Goff, Eric |  |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Jewell, Michael | Jewell and Associates |  |
| Jolly, Emily | LCRA |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Lee, David | CPS Energy |  |
| Khayat, Maribel | CenterPoint Energy |  |
| Kilroy, Taylor | TPPA |  |
| Lee, Jim | AEP TX |  |
| McCalla, David | Lubbock Power and Light |  |
| McCamant, Frank | McCamant Consulting |  |
| McClellan, Suzi | Good Company Associates |  |
| McKeever, Debbie | Oncor |  |
| Musher, Danny | Key Capture Energy |  |
| Peters, Patrick | CenterPoint Energy |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | LCRA |  |
| Reedy, Steve | Potomac Economics |  |
| Reid, Walter | Advanced Power Alliance |  |
| Richmond, Michele | TCPA |  |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CenterPoint Energy |  |
| Sharma Frank, Arushi | Tesla |  |
| Shumate, Walt |  |  |
| Siddiqi, Shams | Crescent Power |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Christopher | Austin Energy |  |
| Smith, Mark | Nucor |  |
| Striedel, James | GDS Associates |  |
| Surendran, Resmi | Shell Energy |  |
| Tran, Diane | TIEC |  |
| Troy, Roy | ACES Power |  |
| Velasquez, Ivan | Oncor |  |
| Villasana, Kristi | NBU |  |
| White, Lauri | AEP |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Yu, Joel | Enchanted Rock |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Barati, Camron |  |  |
| Bigbee, Nathan |  |  |
| Blevins, Bill |  |  |
| Boren, Ann |  |  |
| Bracy, Phil |  |  |
| Castillo, Leo |  |  |
| Cheng, Yong |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Dinopol, Ohlen |  |  |
| Fleming, Lauren |  |  |
| Fohn, Douglas |  |  |
| Garcia, Freddy |  |  |
| Gonzalez, Ino |  |  |
| Hailu, Ted |  |  |
| Hobbs, Kristi |  |  |
| Holt, Blake |  |  |
| House, Donald |  |  |
| Hull, Gibson |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Levine, Jon |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Mereness, Matt |  |  |
| Morehead, Juliana |  |  |
| Patterson, Mark |  |  |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Rios, Diana |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Sharma, Sandip |  |  |
| Shanks, Magie |  |  |
| Shaw, Pamela |  |  |
| Solis, Stephen |  |  |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Thomas, Shane |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Wattles, Paul |  |  |
| Zeplin, Rachel |  |  |

*Unless otherwise indicated, all Market Segments were present for a vote.*

Martha Henson called the February 11, 2021 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

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

*January 14, 2021*

Market Participants reviewed January 14, 2021 PRS Meeting Minutes. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Technical Advisory Committee (TAC) Update

Ms. Henson reviewed the disposition of items considered at the January 27, 2021 TAC meeting, including the Real-Time Co-Optimization Task Force (RTCTF) and Battery Energy Storage Task Force (BESTF) Revision Requests and next steps

2021 PRS Goals (Vote)

Market Participants expressed a desire to await development of the 2021 TAC Goals before finalizing 2021 PRS Goals and took no action on this item. Ms. Henson noted 2021 PRS Goals will be considered at the March 11, 2021 PRS Meeting.

Passport Update - Future Nodal Protocol Revision Request (NPRR) Consideration (see Key Documents)

Mr. Mereness reviewed the Passport Program scope and delivery timelines through 2024 and highlighted controls necessary to ensure timely delivery within the program budget. Mr. Mereness presented ERCOT’s recommendation for managing future Revision Requests, including an assessment of impacts to the Passport Program for Stakeholder consideration, and if advanced, additional comments noting that the Impact Analysis will not be completed until ERCOT has the bandwidth to consider post-Passport Program efforts. Mr. Mereness reviewed the benefits and exceptions to the recommendation, and presented next steps. Market Participants offered clarifications to the PRS agenda for Revision Requests that impact the Passport Program.

Project Update and Summary of Project Priority List (PPL) Activity to Date (see Key Documents)

Troy Anderson provided a project update and summary of PPL activity, reviewed the 2020 and 2021 release targets, and noted the revised February 11, 2021 go-live date for the Market Management System (MMS)/Outage Scheduler (OS) Tech Refresh. Mr. Anderson provided an update on the October 2020 start for two Battery Energy Storage (BES) and Distributed Generation Resource (DGR) Pre-Passport projects, Combo Model and DGR/Distribution Energy Storage Resources (DESRs) implementation strategies, stated the target go-live dates are still in development, and that the gate to execution target is February 16, 2021. Mr. Anderson reminded Market Participants that ERCOT is reviewing revision requests for impacts to Passport projects and summarized the Passport Risk Assessment included in the Impact Analysis to provide greater transparency to the market. Mr. Anderson stated that ERCOT is developing recommendations for Stakeholder consideration for sequencing of items that are part of Passport projects and post-Passport and anticipates bringing forward at the March 11, 2021 PRS meeting. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects.

Other Binding Documents List (see Key Documents)

*Resource Entity Access to Auxiliary Load Telemetry System Notification Form*

Market Participants and ERCOT Staff discussed the Resource Entity Access to Auxiliary Load Telemetry System Notification Form. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot). Some Market Participants expressed concern that the Protocols and Operating Guides do not codify the process for determining which document prevails when the language in the Protocols, Planning Guides and Other Binding Document conflict, and offered to provide clarifications for ERCOT consideration.

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

*NPRR995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage*

Bob Wittmeyer summarized recent discussions with ERCOT Staff regarding the utility of a workshop forum to consider potential alternative solutions to advance some of the concepts in NPRR995 and related Revision Requests, and noted that even the alternative solutions have significant impacts to the Passport program. Market Participants requested that NPRR995 be considered post-Passport and took no action on this item.

*NPRR1045, Transmission Operator Definition and Designation*

*NPRR1059, Ability for MOUs and ECs to Send Non-BUSIDRRQ Interval Data*

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

*NPRR1057, Modification to Real-Time Hub Price Formulas for Fully De-Energized Hubs*

Market Participants reviewed the Impact Analysis and discussed the appropriate priority and rank for NPRR1057. 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*

*NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols*

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB)*

*NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification*

*NPRR1058, Resource Offer Modernization for Real-Time Co-Optimization*

PRS took no action on these items.

*NPRR1023, Change to CRR Repossession Process*

Market Participants reviewed the 1/25/21 ERCOT comments and 2/4/21 WMS comments to NPRR1023. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1060, Improvements to ERS Testing Requirements and Other ERS Items*

Market Participants reviewed the 1/8/21 ERCOT comments and the 2/4/21 WMS comments.

**Marty Downey moved to recommend approval of NPRR1060 as amended by the 1/8/21 ERCOT comments. Shawnee Claiborn-Pinto seconded the motion. The motion carried via roll call vote with one objection from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment and one abstention from the Independent Generator (Luminant) Market Segment.** *(Please see ballot posted with Key Documents.)*

Review of Revision Request Language (see Key Documents)

*NPRR1062, Modify IDR Meter Requirement and Eliminate IDR Meter Requirement Report*

Market Participants reviewed NPRR1062 and the 2/2/21 RMS comments. Some Market Participants requested an additional month to review the issues. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1063, Dynamic Rating Transparency*

Seth Cochran summarized NPRR1063. Market participants requested additional time to examine more cost effective methods of delivering dynamic rating transparency and requested review by the Reliability and Operations Subcommittee (ROS) and Wholesale Market Subcommittee (WMS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1064, Identification of Chronic Congestion*

Freddy Garcia summarized NPRR1064. Market Participants requested review of the issues by ROS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1065, Implementation Adjustment for NPRR917*

Austin Rosel summarized NPRR1065 and offered clarifications to make minor corrections to billing determinant names and subscripts. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1066, Interconnection of Existing Generation Owned by a Municipally Owned Utility (MOU) or Electric Cooperative (EC) Transferring Load into the ERCOT System*

Erika Kane summarized NPRR1066. Market Participants discussed the likely approval timeline for NPRR1066 and whether NPRR1066 contemplates necessary upgrades to units, and offered clarifications.

*NPRR1067, Market Entry Qualifications, Continued Participation Requirements, and Credit Risk Assessment*

Mark Ruane summarized NPRR1067 and previous discussions at the Credit Work Group and Market Credit Working Group (MCWG). Market Participants reviewed the 2/9/21 DC Energy comments and requested review of the issues by WMS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Ms. Claiborn-Pinto moved to approve the Combined Ballot as follows:**

* **To approve the January 14, 2021 PRS Meeting Minutes as presented**
* **To add the Resource Entity Access to Auxiliary Load Telemetry System Notification Form to the Other Binding Documents List**
* **To endorse and forward to TAC the 1/14/21 PRS Report and Impact Analysis for NPRR1045**
* **To endorse and forward to TAC the 1/14/21 PRS Report and Impact Analysis for NPRR1057 with a recommended priority of 2021 and rank of 3310**
* **To endorse and forward to TAC the 1/14/21 PRS Report and Impact Analysis for NPRR1059**
* **To recommend approval of NPRR1023 as amended by the 1/25/21 ERCOT comments**
* **To table NPRR1062 for one month**
* **To table NPRR1063 and refer the issue to ROS and WMS**
* **NPRR1064 and refer the issue to ROS**
* **To recommend approval of NPRR1065 as revised by PRS**
* **To recommend approval of NPRR1066 as revised by PRS**
* **To table NPRR1067 and refer the issue to WMS**

**Diana Coleman seconded the motion. The motion carried via roll call vote with two abstentions from the Independent Generator (Luminant, Calpine) Market Segment.** Ian Haley and Bryan Sams noted their abstention on the combined ballot pertained to NPRR1067 only. *(Please see ballot posted with Key Documents.)*

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned February 11, 2021 PRS meeting at 12:25 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2021/2/11/214138-PRS unless otherwise noted [↑](#footnote-ref-1)