**APPROVED**

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

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

**Wednesday, May 11, 2022 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Camet, Brooke | Residential Consumer  | Alt. Rep. for Eric Goff for NPRR1100 only Via Teleconference |
| Coleman, Diana | CPS Energy |  |
| Day, Smith | Denton Municipal Electric | Via Teleconference |
| Goff, Eric | Residential Consumer |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation | Via Teleconference |
| Haley, Ian | Luminant Generation |  |
| Henson, Martha | Oncor |  |
| Mindham, David | EDP Renewables |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Trevino, Melissa | Occidental Chemical | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Allen, Thresa | Avangrid Renewables | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Benson, Mariah | PUCT | Via Teleconference |
| Bivens, Carrie  | Potomac Economics | Via Teleconference |
| Bonskowski, Ned | Luminant | Via Teleconference |
| Burke, Tom | RWE | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Coultas, Ann | Enel Green Power | Via Teleconference |
| Daigneault, Ralph | Potomac Economics | Via Teleconference |
| Detelich, David | CPS Energy | Via Teleconference |
| Foos, Richard | Citadel | Via Teleconference |
| Goff, Eric | Tesla | NPRR1100 only |
| Headrick, Bridget | Customized Energy Solutions | Via Teleconference |
| Helton, Bob | ENGIE |  |
| Hubbard, John Russ | TIEC |  |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Javiya, Keyur | Tesla | Via Teleconference |
| Johnson, Emily | Texas Sunset Advisory Commission | Via Teleconference |
| Jones, Randy | Mountaineer Market Advisors | Via Teleconference |
| Kee, David | CPS Energy | Via Teleconference |
| Kolb, Lloyd | Invenergy | Via Teleconference |
| Kilroy, Taylor | TPPA | Via Teleconference |
| Lee, Jim | TEC | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Loving, Alicia | Austin Energy | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Mendoza, Albert | Occidental | Via Teleconference |
| Nguyen, Andy  | Lower Colorado River Authority | Via Teleconference |
| Okenfuss, James | Savion Energy | Via Teleconference |
| Petäjäsoja, Ida | inBalance | Via Teleconference |
| Pyka, Greg | Schneider Engineering | Via Teleconference |
| Ramaswamy, Ramya | PUCT | Via Teleconference |
| Reed, Carolyn | CenterPoint Energy | Via Teleconference |
| Richmond, Michele | TCPA | Via Teleconference |
| Sams, Bryan | Calpine Corporation | Via Teleconference |
| San Miguel, Senaida | Texas Sunset Advisory Commission | Via Teleconference |
| Santos, Juan | Garland Power and Light | Via Teleconference |
| Scott, Kathy | CenterPoint Energy | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Singhrastogi, Rama | PUCT | Via Teleconference |
| Sithuraj, Murali | Austin Energy | Via Teleconference |
| Surendran, Resmi | Shell Energy | Via Teleconference |
| True, Roy | ACES Power | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Wall, Perrin | CenterPoint Energy |  |
| White, Lauri | AEP | Via Teleconference |
| Wittmeyer, Bob | Broad Reach Power  |   |
| Xie, Fei | Austin Energy | Via Teleconference |
| Zarnikau, Jay | The University of Texas at Austin | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Troy |  |  |
| Bezzam, Joseph |  | Via Teleconference |
| Bigbee, Nathan |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Boren, Ann |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dwyer, Davida |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| House, Donald |  | Via Teleconference |
| Huang, Fred |  | Via Teleconference |
| Kezell, David |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Mantena, Dan |  | Via Teleconference |
| Maul, Donald |  | Via Teleconference |
| Mereness, Matt |  |   |
| Moreno, Alfredo |  | Via Teleconference |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  | Via Teleconference |
| Rainwater, Kim  |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Ruane, Mark |  | Via Teleconference |
| Sharma, Sandip |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Tucker, Donald |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
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|  |  |  |

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

Martha Henson called the May 11, 2022 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-1)

*March 9, 2022*

*April 6, 2022*

*April 14, 2022*

Market Participants reviewed the March 9, 2022, April 6, 2022, and April 14, 2022 PRS Meeting Minutes. Ms. Henson noted these items 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 April 18, 2022 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, reviewed the 2022 release targets, summarized in-flight strategic projects, presented the priority and rank options for Revision Requests requiring projects, and encouraged Market Participants to attend the May 19, 2022 Technology Working Group (TWG) meeting.

Mr. Anderson reminded Market Participants of the Project Priority discussion at the April 13, 2022 TAC meeting and April 14, 2022 PRS meeting, presented the draft concepts for the “Not Started Revision Request List”, stated that ERCOT was still identifying the appropriate format to present projects impacted by ERCOT resource constraints and strategic projects, and noted that ERCOT anticipates presenting, at the June 9, 2022 PRS meeting, comments for items that have the potential to be worked in within six to twelve months.

Annual Review of Other Binding Documents List (see Key Documents)

Ms. Henson reminded Market Participants of the Protocol requirement for PRS to review the list of Other

Binding Documents annually and presented the current list. Market Participants expressed support for the list and discussed alternative review cycles. Cory Phillips reviewed the Stakeholder process for items on the list and changes to the requirements. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Urgency Vote(s) (See Key Documents)

*Nodal Protocol Revision Request (NPRR) 1130, Weatherization Inspection Fees Sunset Date Extension*

David Kezell reviewed the request for Urgent status. Market Participants expressed support to consider NPRR1130 for Urgent status. Mr. Kezell provided an overview of NPRR1130 and the 5/6/22 ERCOT comments. John Russ Hubbard summarized the 5/4/22 TIEC comments. Some Market Participants expressed a desire for ERCOT to reconsider how future weatherization inspection fee costs are assessed and allocated; and applied clarifying edits to Generation Resource and Energy Storage Resource (ESR) language.

**Bob Wittmeyer moved to grant NPRR1130 Urgent status; to recommend approval of NPRR1130 as amended by the 5/6/22 ERCOT comments as revised by PRS; and to forward to TAC NPRR1130 and the 4/22/22 Impact Analysis. Clayton Greer seconded the motion. The motion carried with two abstentions from the Independent Generator (Luminant Generation, Enel Green Power) Market Segment.** *(Please see ballot posted with Key Documents.)*

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

*NPRR1110, Black Start Requirements Update*

Market Participants discussed needed segregation of on-site fuel reserves by Resources seeking to provide both Black Start Service (BSS) and the new Firm Fuel Supply Service (FFSS) to ensure compliance with both services and reviewed the Impact Analysis for NPRR1110. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*System Change Request (SCR) 820, Operator Real-Time Messaging During Emergency*

Market Participants reviewed the 5/6/22 ERCOT comments to SCR820. PRS took no action on this item.

*Retail Market Guide Revision Request (RMGRR) 168, Modify ERCOT Responsibilities During the Mass Transition*

Market Participants reviewed the 5/3/22 RMS Report, Impact Analysis and recommended priority and rank for RMGRR168. 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*

*NPRR981, Day-Ahead Market Price Correction Process*

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

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

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1084, Improvements to Reporting of Resource Outages and Derates*

*NPRR1088, Applying Forward Adjustment Factors to Forward Market Positions and Un-applying Forward Adjustment Factors to Prior Market Positions*

*NPRR1089, Requiring Highest-Ranking Representative, Official, or Officer of a Resource Entity to Execute Weatherization and Natural Gas Declarations*

*NPRR1118, Clarifications to the OSA Process*

*NPRR1126, Default Uplift Allocation Enhancement*

*NPRR1128, Allow FFR Procurement up to FFR Limit Without Proration*

*SCR821, Voltage Set Point Target Information for Distribution Generation Resource (DGR) or Distribution Energy Storage Resource (DESR)*

PRS took no action on these items.

*NPRR1085, Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs)*

Bill Barnes summarized the 5/10/22 Joint Commenters comments to NPRR1085. Nitika Mago summarized the 5/10/22 ERCOT comments and reviewed the Revision Request timeline for consideration at the August 16, 2022 ERCOT Board meeting. Ms. Henson encouraged Market Participants to attend the May 18, 2022 Performance, Disturbance, Compliance Working Group (PDCWG) meeting, May 19, 2022 Operations Working Group (OWG) meeting, and June 2, 2022 Reliability and Operations Subcommittee (ROS) meeting to further discuss the issues. PRS took no action on this item.

*NPRR1100, Emergency Switching Solutions for Energy Storage Resources*

Market Participants noted the endorsement of the 5/3/22 ERCOT comments in the 5/10/22 ROS comments and 5/10/22 WMS comments to NPRR1100.

**Mr. Greer moved to recommend approval of NPRR1100 as amended by the 5/3/22 ERCOT comments; and to forward to TAC NPRR1100. Mr. Wittmeyer seconded the motion.** **The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1127, Clarification of ERCOT Hotline Uses*

Market Participants reviewed the 5/10/22 ROS comments to NPRR1127. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Market Participants requested a status review of all Revision Requests tabled at PRS at the July 14, 2022 PRS meeting.

Review of Revision Request Language (see Key Documents)

*NPRR1130, Weatherization Inspection Fees Sunset Date Extension*

This item was considered with Urgent status.

*NPRR1131, Controllable Load Resource Participation in Non-Spin*

Sandip Sharma summarized NPRR1131, Other Binding Document Revision Request (OBDRR) 040, ORDC Changes Related to NPRR1131, and discussion at the April 26, 2022 Demand Side Working Group (DSWG) meeting. Market Participants discussed the differences between Controllable Load Resources and other Load Resources with respect to their participation in Ancillary Service markets. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions*

Ms. Mago summarized NPRR1132. Market Participants debated the usefulness of historical temperature limits, particularly outside of other factors such as humidity and wind direction and requested further review of the issues by ROS and the Wholesale Market Subcommittee (WMS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**David Mindham moved to approve the Combined Ballot as follows:**

* **To approve the March 9, 2022, April 6, 2022, and April 14, 2022 PRS Meeting Minutes as presented**
* **To approve the Other Binding Documents List as presented**
* **To endorse and forward to TAC the 4/14/22 PRS Report and 11/22/21 Impact Analysis for NPRR1110**
* **To endorse the Retail Market Subcommittee (RMS)-recommended priority of 2022 and rank of 3600 for RMGRR168**
* **To recommend approval of NPRR1127 as amended by the 4/12/22 DC Energy comments**
* **To recommend approval of NPRR1131 as submitted**
* **To table NPRR1132 and refer the issue to ROS and WMS**

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

Other Business

*July PRS Meeting*

Market Participants discussed Public Utility Commission of Texas (PUCT) Open meeting conflicts with the July 14, 2022 PRS meeting. Ms. Henson confirmed the rescheduling of the July PRS meeting to Wednesday, July 13, 2022.

Adjournment

Ms. Henson adjourned the May 11, 2022 PRS meeting at 11:56 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/event?id=1649954577056> unless otherwise noted [↑](#footnote-ref-1)