**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

**ERCOT Austin – 7620 Metro Center Drive – Austin, Texas 78744**

**Thursday, May 9, 2019 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Coleman, Diana | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Lee, Jim | AEP Service Corporation | Alt. Rep. for Blake Gross |
| Paff, Tom | Duke Energy |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |

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| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Bruce, Mark | | Cratylus Advisors | | Via Teleconference |
| Bunch, Kevin | | EDF Energy Services | |  |
| Checkley, Jim | | Cross Texas Transmission | |  |
| Cook, Tim | | Cross Texas Transmission | | Via Teleconference |
| Cortez, Sarai | | Sharyland | | Via Teleconference |
| Daigneault, Ralph | | Potomac Economics | |  |
| Dixit, Preeti | | ABB US | | Via Teleconference |
| Downey, Marty | | Electranet Power | |  |
| Goff, Eric | | CitiGroup | |  |
| Harvey, Julia | | Texas Electric Cooperatives | | Via Teleconference |
| Helton, Bob | | Engie | |  |
| Huber, Grant | | Cypress Creek Renewables | | Via Teleconference |
| Jewell, Michael | | Jewell and Associates | | Via Teleconference |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Jones, Randy | | Mountaineer | | Via Teleconference |
| Juricek, Mike | | Oncor | | Via Teleconference |
| Kee, David | | CPS Energy | |  |
| Martin, Collin | | Oncor | |  |
| McInroy, Adam | | Austin Energy | | Via Teleconference |
| McKeever, Debbie | | Oncor | | Via Teleconference |
| Minchew, Christina | | Wind Energy of Texas | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Pappu, Ajay | | Invenergy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rehfeldt, Diana | | Texas New Mexico Power | | Via Teleconference |
| Reed, Carolyn | | CenterPoint Energy | | Via Teleconference |
| Reedy, Steve | | Potomac Economics | |  |
| Reid, Walter | | Advanced Power Alliance | |  |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Ritch, John | | NextEra Energy | | Via Teleconference |
| Rainwater, Kim | | Environmental Defense Fund | |  |
| Robertson, Jennifer | | LCRA | |  |
| Sauter, Megan | | Oncor | | Via Teleconference |
| Scott, Kathy | | CenterPoint Energy | |  |
| Shaw, Marka | | Exelon | | Via Teleconference |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | |  |
| Smith, Chris | | Austin Energy | |  |
| Smyth, Scott | | DTR & G Law | | Via Teleconference |
| Surendran, Resmi | | Shell Energy | | Via Teleconference |
| Thomas, Wayne | | Bryan Texas Utilities | |  |
| Tran, Diane | Texas Industrial Energy Consumers | |  | |
| Trefny, Floyd |  | | Via Teleconference | |
| True, Roy | Aces Power | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | | Via Teleconference | |
| Whittle, Brandon | Calpine | |  | |
| Wittmeyer, Bob | Denton Municipal Electric | |  | |
| Woods, Brad | Texas Reliability Entity | | Via Teleconference | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Bethke, Ponda |  | | Via Teleconference | |
| Billo, Jeff |  | | Via Teleconference | |
| Bivens, Carrie |  | |  | |
| Blevins, Bill |  | |  | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Covington, Austin | |  | | Via Teleconference |
| Fohn, Doug | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Guo, Jack | |  | | Via Teleconference |
| Hailong, Hui | |  | | Via Teleconference |
| Hartmann, Jimmy | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | |  |
| House, Donald | |  | | Via Teleconference |
| Hull, Gibson | |  | | Via Teleconference |
| Kane, Erika | |  | | Via Teleconference |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Mago, Nitika | |  | | Via Teleconference |
| Mereness, Matt | |  | | Via Teleconference |
| Mickey, Joel | |  | |  |
| Morehead, Juliana | |  | | Via Teleconference |
| Moreno, Alfredo | |  | | Via Teleconference |
| Ögelman, Kenan | |  | |  |
| Phillips, Cory | |  | |  |
| Raish, Carl | |  | |  |
| Rickerson, Woody | |  | | Via Teleconference |
| Rosel, Austin | |  | | Via Teleconference |
| Roberts, Randy | |  | | Via Teleconference |
| Shanks, Magie | |  | | Via Teleconference |
| Sharma, Sandip | |  | | Via Teleconference |
| Shaw, Pam | |  | |  |
| Smith, Nathan | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Teixeira, Jay | |  | | Via Teleconference |
| Thompson, Chad | |  | | Via Teleconference |
| Townsend, Aaron | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Wattles, Paul | |  | |  |
| Weatherly, Joe | |  | |  |
| Woodfin, Dan | |  | | Via Teleconference |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the May 9, 2019 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)

*April 11, 2019*

**Clayton Greer moved to approve the April 11, 2019 meeting minutes as submitted. Diana Coleman seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted that TAC and the ERCOT Board had not met since the April 11, 2019 PRS meeting.

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 2019 release targets and project spending, and presented the priority and rank options for Revision Requests requiring projects.

Review PRS Reports, Impact Analyses, and Prioritization

*Nodal Protocol Revision Request (NPRR) NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs)*

Market Participants reviewed NPRR917 and the 5/1/19 Longhorn Power comments, 5/3/19 ERCOT comments and 5/8/19 Steel Mill comments. Some Market Participants expressed support for the extended grandfathering and opt-out provisions and stated that it provides regulatory certainty. The Independent Market Monitor (IMM) expressed concern for setting a precedent that would allow Entities to reduce or avoid risk of investment decisions by allowing them to request exemptions. Other Market Participants opposed extended grandfathering and opt-out provisions and stated that their use creates bad market signals. Market Participants offered clarifications to lower the grandfathering duration from 40 years to ten years.

**Mr. Greer moved to endorse and forward to TAC the 4/11/19 PRS Report as amended by the 5/8/19 ERCOT Steel Mills comments, as revised by PRS, and the Impact Analysis for NPRR917 with an effective date of July 1, 2019 for Section 23, Form N, Pricing Election for Settlement Only Distribution Generators and Settlement Only Transmission Generators, and a recommended priority of 2019 and rank of 2700. Ian Haley seconded the motion. The motion carried via roll call vote with six objections from the Cooperative (2) (LCRA, STEC), Independent Generator (2) (Engie, Invenergy), and Independent Power Marketer (IPM) (2) (Tenaska, Citigroup) Market Segments and one abstention from the Independent Retail Electric Provider (IREP) (Reliant) Market Segment.** *(Please see ballot posted with Key Documents.[[2]](#footnote-2))*

*NPRR926, Removal of 90-Day Period Between SSR Study Approval and Synchronization*

**Melissa Trevino moved to endorse and forward to TAC the 4/11/19 PRS Report and the Impact Analysis for NPRR926. Bob Helton seconded the motion. The motion carried unanimously.**

*NPRR929, PTP Obligations with Links to an Option DAM Award Eligibility*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR929 . Market Participants further reviewed the Business Case and offered additional administrative clarifications to NPRR929.

**Bill Barnes moved to endorse and forward to TAC the 4/11/19 PRS Report, as revised by PRS, and the Impact Analysis for NPRR929 with a recommended priority of 2019 and a rank of 2655. Brandon Whittle seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 799, ERCOT Outage Study Cases in the System Operations Test Environment (SOTE)*

Market Participants reviewed the Impact Analysis and Business Case for SCR799, and considered the appropriate priority and rank necessary in order to meet the desired implementation timeline.

**Eric Goff moved to endorse and forward to TAC the 4/11/19 PRS Report and the Impact Analysis for SCR799, with a recommended priority of 2019 and rank of 2710. Jim Lee seconded the motion. The motion carried unanimously.**

*Planning Guide Revision Request (PGRR) 070, Revised Responsibilities for Performing Geomagnetic Disturbance (GMD) Vulnerability Assessments*

Market Participants reviewed the Impact Analysis and Business Case for PGRR070.

**Mr. Greer moved to endorse the Reliability and Operations Subcommittee (ROS) recommended priority of 2019 and rank of 230 for PGRR070. Mr. Barnes seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR849, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI*

*NPRR918, Validation Clarification for PTP Obligations with Links to an Option*

*NPRR919, Exemption from Governor Primary Frequency Response Control for Certain Resources in Private Use Networks*

*NPRR928, Cybersecurity Incident Notification*

PRS took no action on these items.

*NPRR823, Amend the Definition of an Affiliate*

Market Participants reviewed NPRR823 and the 5/3/19 ERCOT comments.

**Mr. Barnes moved to recommend approval of NPRR823 as amended by the 5/3/19 ERCOT comments. Mr. Goff seconded the motion. The motion carried unanimously.**

*NPRR826, Mitigated Offer Caps for RMR Resources*

*NPRR838, Updated O&M Cost for RMR Resources*

Mr. Barnes summarized the review of NPRR826 and NPRR838 in the stakeholder process, reviewed the 5/7/19 TCPA comments, and noted that the Wholesale Market Subcommittee (WMS) is reviewing the Reliability Unit Commitment (RUC) mitigation methodology.

**Mr. Barnes moved to recommend approval of NPRR826 as amended by the 5/7/19 TCPA comments. Mr. Greer seconded the motion.** Market Participants requested additional time to review the issues.

**Lucas Turner moved to table NPRR826 for one month. John Dumas seconded the motion. The motion carried with three objections from the IPM (2) (Morgan Stanley, Tenaska) and IREP (Reliant) Market Segments.**

PRS took no action on NPRR838.

*NPRR872, Modifying the SASM Shadow Price Cap*

Market Participants discussed NPRR872 and its utility in consideration of implementing Real-Time Co-optimization (RTC). Some Market Participants expressed concern for the amount of time NPRR872 has been in the stakeholder process and the lack of consensus. Other Market Participants requested additional time to consider alternate solutions.

**Mr. Whittle moved to table NPRR872 for one month. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR902, ERCOT Critical Energy Infrastructure Information*

NPRR902 and the 5/3/19 Oncor comments were reviewed. ERCOT Staff requested additional time for further clarifications. Market Participants requested ERCOT facilitate a third workshop, after the June 13, 2019 PRS meeting, for further review of the issues. PRS took no action on this item.

*NPRR903, Day-Ahead Market Timing Deviations*

The current discussions regarding NPRR903 at WMS were summarized. PRS took no action on this item.

*NPRR904, Revisions to Real-Time On-Line Reliability Deployment Price Adder for ERCOT-Directed Actions Related to DC Ties*

NPRR904, the 5/7/19 WMS comments, 5/7/19 ERCOT comments, and 5/8/19 REMC comments were discussed.

**Mr. Greer moved to recommend approval of NPRR904 as amended by the 5/8/19 REMC comments. David Detelich seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment.**

*NPRR930, Weekly RUC Modifications for Forecasted Emergency Conditions*

Discussions regarding NPRR930 at the April 24 and May 1, 2019 Outage Activity Related to Operating Condition Notice (OCN) Workshops were summarized. Mr. Goff reviewed the 5/8/19 Citigroup comments, presented proposed options for stakeholder consideration and reviewed the implementation timeline. There was further discussion of proposed options and requested additional time to offer potential clarifications to NPRR930 to reduce system impacts and shorten the implementation timeline.

**Mr. Goff moved to table NPRR930 for one month. Mr. Haley seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR931, As Built Hub Average Calculation*

**Mr. Greer moved to recommend approval of NPRR931 as submitted. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR932, Addition of Load to Existing Load Zone*

**Mr. Greer moved to recommend approval of NPRR932 as submitted. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR933, Reporting of Demand Response by Retail Electric Providers and Non-Opt-In Entities*

Market Participants discussed NPRR933 and the 5/7/19 RMS comments. Some Market Participants opposed the frequency of reporting due to the increased efforts and costs they would incur. ERCOT Staff reviewed the timeline and stated that the revised reporting schedule was developed in consideration of the summer assessment. Market Participants requested the Retail Market Subcommittee (RMS) and WMS review the issues.

**Eric Blakey moved to table NPRR933 and refer the issue to RMS and WMS. Mr. Greer seconded the motion**. **The motion carried unanimously.**

*NPRR934, Advance Action Notice (AAN) and Clarify Process for Resource Outage Approval Withdrawal*

*NPRR935, Post All Wind and Solar Forecasts*

Discussions of NPRR934 and NPRR935 at the April 24 and May 1, 2019 Outage Activity Related to Operating Condition Notice (OCN) Workshops were summarized. ERCOT Staff stated that once language for NPRR930 is resolved, NPRR934 may be withdrawn, and that additional clarifications to NPRR935 will not materially change the Impact Analysis.

**Mr. Greer moved to table NPRR934 and recommend approval of NPRR935 as submitted. John Varnell seconded the motion**. **The motion carried unanimously.**

*NPRR936, CRR Account Holder Limits*

Mr. Helton summarized NPRR936 and stated that it allows for an inexpensive method to increase transparency and eliminate limits on Congestion Revenue Right (CRR) Account Holders. Market Participants requested WMS review the issues.

**Mr. Helton moved to table NPRR936 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

*SCR800, Addition of DC Tie Ramp to GTBD Calculation*

ERCOT Staff summarized SCR800, noted the discussions at the Performance, Disturbance, Compliance Working Group (PDCWG) meetings, and stated that it would reduce the deployment of Regulation Service and improve frequency recovery. Market Participants requested additional review of the issues by ROS.

**Mr. Greer moved to table SCR800 and refer the issue to ROS. Marty Downey seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Clayton Stice reviewed RTF activities.

Other Business

Ms. Henson encouraged Market Participants to attend the NPRR930 Workshop and noted the date of the workshop would be announced in an upcoming notice to the PRS listserv.

Adjournment

Ms. Henson adjourned the May 9, 2019 PRS meeting at 2:06 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2019/5/9/164977-PRS unless otherwise noted [↑](#footnote-ref-1)
2. <http://www.ercot.com/mktrules/issues/NPRR917#keydocs> [↑](#footnote-ref-2)