**APPROVED**

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

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

**Thursday, February 13, 2020 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Lange, Clif | South Texas Electric Cooperative | Alt. Rep for L. Turner |
| Mendoza, Albert | Occidental Chemical | Alt. Rep for M. Trevino |
| Mindham, David | EDP Renewables |  |
| Morris, Sandy | Direct Energy |  |
| Smith, Day | Denton Municipal Electric |  |
| Varnell, John | Tenaska Power Services |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Alford, Anthony | | CenterPoint Energy | | Via Teleconference |
| Benson, Mariah | | PUCT | | Via Teleconference |
| Blakey, Eric | | Just Energy | |  |
| Bruce, Mark | | Cratylus Advisors | | Via Teleconference |
| Bunch, Kevin | | EDF Trading | |  |
| Checkley, Jim | | CTT | |  |
| Cochran, Seth | | DC Energy | | Via Teleconference |
| Cook, Tim | | CTT | | Via Teleconference |
| Cortez, Sarai | | Sharyland | |  |
| Daigneault, Ralph | | Potomac Economics | |  |
| Detelich, David | | CPS Energy | | Via Teleconference |
| Downey, Marty | | Jupiter Power | |  |
| Farhangi, Anough | | DC2 | |  |
| Harris, Therese | | PUCT | |  |
| Hasan, Prusha | | AEE | | Via Teleconference |
| Helton, Bob | | Engie | |  |
| Jewell, Michael | | Jewell and Associates | | Via Teleconference |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Khayat, Maribel | | CenterPoint Energy | | Via Teleconference |
| Kee, David | | CPS Energy | |  |
| Lee, Jim | | AEP TX | |  |
| Loving, Alicia | | Austin Energy | |  |
| Miller, Daniel | | DC Energy | | Via Teleconference |
| Nguyen, Andy | | LCRA | |  |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rainwater, Kim | | Environmental Defense Fund | | Via Teleconference |
| Rehfeldt, Diana | | TNMP | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | | Via Teleconference |
| Richmond, Michele | | TCPA | |  |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Sams, Bryan | | Calpine Corporation | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Smith, Caitlin | | AB Power Advisors | | Via Teleconference |
| Smith, Chris | | Austin Energy | | Via Teleconference |
| Tran, Diane | TIEC | |  | |
| True, Roy | ACES Power | |  | |
| Watson, Mark | SP Global | | Via Teleconference | |
| Wittmeyer, Bob | Denton Municipal Electric | |  | |
| Zhang, Bryan | Potomac Economics | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Billo, Jeff |  | | Via Teleconference | |
| Bivens, Carrie |  | | Via Teleconference | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Clifton, Suzy | |  | |  |
| Covington, Austin | |  | | Via Teleconference |
| Findley, Samantha | |  | | Via Teleconference |
| Fohn, Doug | |  | |  |
| Ganjoo, Shalesh | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| House, Donald | |  | |  |
| Hull, Gibson | |  | | Via Teleconference |
| Jones, Dan | |  | |  |
| Kane, Erika | |  | |  |
| Koepke, Joel | |  | |  |
| Levine, Jonathan | |  | |  |
| Mago, Nitika | |  | | Via Teleconference |
| Morehead, Juliana | |  | | Via Teleconference |
| Moreno, Alfredo | |  | |  |
| Phillips, Cory | |  | |  |
| Ruane, Mark | |  | |  |
| Scott, Vickie | |  | | Via Teleconference |
| Shaw, Pam | |  | | Via Teleconference |
| Smith, Nathan | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Teixeira, Jay | |  | | Via Teleconference |
| Thompson, Chad | |  | | Via Teleconference |
| Townsend, Aaron | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Xiao, Hong | |  | | Via Teleconference |
| Woodfin, Dan | |  | | Via Teleconference |

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

Martha Henson called the February 13, 2020 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)

*January 16, 2020*

**Shawnee Claiborn-Pinto moved to approve the January 16, 2020 meeting minutes. John Varnell seconded the motion. The motion carried with one abstention from the Cooperative (STEC) Market Segment.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of Revision Requests considered at the January 29, 2020 TAC meeting and the February 11, 2020 Board meeting. Ms. Henson reviewed the stakeholder process for Real-Time Co-Optimization (RTC) Revision Requests. There were no comments or objections.

2020 PRS Goals (see Key Documents)

**Clayton Greer moved to approve the 2020 PRS Goals as submitted. Clif Lange seconded the motion. The motion carried unanimously.**

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 and reviewed the 2020 release targets and project spending. Mr. Anderson noted the manual process and timeline for reports slated for decommissioning as part of implementing Nodal Protocol Revision Request (NPPR) 978, Alignment with Amendments to PUCT Substantive Rule 25.505. Some Market Participants expressed concern for decommissioning the Transmission Project and Information Tracking Report. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects.

Urgency Vote(s) and Waive Notice

*NPRR997, Gas Pipeline Coordination for Natural Gas Generation Resources*

**Mr. Greer moved to waive notice in order to consider NPRR997. Ian Haley seconded the motion. The motion carried unanimously.**

**Mr. Haley moved to grant NPRR997 Urgent status. Mr. Greer seconded the motion. The motion carried unanimously.**

Doug Fohn summarized NRR997 and discussions at the January 24, 2020 Gas Electric Working Group (GEWG) meeting. Therese Harris reviewed the 2/12/20 PUCT Staff comments.Some Market Participants expressed concern for potential compliance exposure posed by NPRR997 language as proposed, noted contractual confidentiality requirements, and requested additional time to refine NPRR997 language.

**Mr. Greer moved to table NPRR997. Bill Barnes seconded the motion. The motion carried unanimously.**

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

*NPRR903, Day-Ahead Market Timing Deviations*

*NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer*

*NPRR990, Relocation of Combined Cycle Train to Resource Attribute*

**Mr. Greer moved to endorse and forward to TAC the 1/16/20 PRS Report and Revised Impact Analysis for NPRR903, and the respective 1/16/20 PRS Reports and Impact Analyses for NPRR973 and NPRR990. Bob Helton seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 807, Increase CRR Transaction Capability*

*SCR808, Congestion Revenue Right Time Of Use Transaction Limits in Long-Term Auction Sequence Auctions*

Donald House presented additional details regarding the functional differences between SCR807 and SCR808. Market Participants considered the benefits of each solution, and potential cost savings if SCR807 were to be implemented in tandem with NPRR936, CRR Account Holder Limits.

**Blake Gross moved to endorse and forward to TAC the 1/16/20 PRS Report and the Impact Analysis for SCR807 with a recommended priority of 2020 and rank of 2855. Mr. Helton seconded the motion. The motion carried unanimously.**

Seth Cochran noted his intent to request withdrawal of SCR808.

**Mr. Greer moved to table SCR808. Mr. Varnell seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

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

*NPRR945, Net Metering Requirements*

*NPRR947, Clarification to Ancillary Service Supply Responsibility Definition and Improvements to Determining and Charging for Ancillary Service Failed Quantities*

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR966, Changes to Support Reactive Power Coordination Tool*

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

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR984, Change ERS Standard Contract Terms*

*NPRR987, BESTF-3 Energy Storage Resource Contribution to Physical Responsive Capability and Real-Time On-Line Reserve Capacity Calculations*

*NPRR989, BESTF-1 Energy Storage Resource Technical Requirements*

PRS took no action on these items.

*NPRR953, Addition of Relay Loadability Rating Definition*

In response to Market Participants’ request for more time to review NPRR953, Joel Koepke noted approaching compliance deadlines and requested stakeholders to advance NPRR953.

**Mr. Greer moved to recommend approval of NPRR953 as amended by the 12/4/19 ERCOT comments. Mr. Gross seconded the motion. The motion carried with one abstention from the Independent Retail Electric Provider (IREP) Market Segment.**

*NPRR975, Load Forecast Model Transparency*

**Mr. Greer moved to recommend approval of NPRR975 as amended by the 2/6/20 WMS comments. Mr. Gross seconded the motion. The motion carried unanimously.**

*NPRR983, Delete Remaining Grey-Boxed Language Associated with NPRR257, Synchronization with Nodal Operating Guide Section 9, Monitoring Programs and Changes to Posting Requirements of Documents Considered CEII*

**Mr. Greer moved to recommend approval of NPRR983 as submitted. Ms. Claiborn-Pinto seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR991, Day-Ahead Market (DAM) Point-to-Point (PTP) Obligation Bid Clearing Price Clarification*

Alfredo Moreno reviewed NPRR991, the 2/5/20 DC Energy comments, and the 2/7/20 ERCOT comments. Market Participants requested additional review of alternative solutions by the Wholesale Market Subcommittee (WMS).

**Mr. Greer moved to table NPRR991 and refer the issue to WMS. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR992, Updated Day-Ahead Liability for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve*

**Mr. Greer moved to recommend approval of NPRR992 as submitted. Andy Nguyen seconded the motion. The motion carried unanimously.**

*NPRR993, Grey Box Resolution re NPRR902 and NPRR928*

ERCOT Staff offered administrative clarifications.

**Mr. Greer moved to recommend approval of NPRR993 as revised by PRS. Mr. Gross seconded the motion. The motion carried unanimously.**

*NPRR994, Clarify Generator Interconnection Neutral Project Classification*

Jeff Billo summarized NPRR994 and noted it would be discussed at the February 18, 2020 Planning Working Group (PLWG) Meeting.

**Mr. Barnes moved to table NPRR994 and refer the issue to the Reliability and Operations Subcommittee (ROS). Mr. Greer seconded the motion. The motion carried unanimously.**

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

Bob Wittmeyer summarized NPRR995. Market Participants requested additional time for further review of energy storage issues within other stakeholder forums, including the Battery Energy Storage Task Force (BESTF), Resource Definition Task Force (RTF), and upcoming Distribution Generation Resource (DGR) workshops.

**Mr. Haley moved to table NPRR995. Mr. Greer seconded the motion. The motion carried unanimously.**

*SCR809, Changes to External Telemetry Validations in Resource Limit Calculator*

Market Participants requested WMS review the processes for telemetry validation.

**Mr. Gross moved to table SCR809 and refer the issue to WMS. Mr. Haley seconded the motion. The motion carried unanimously.**

RTF

Mr. Wittmeyer summarized RTF activities.

Other Business

*DGR Workshop IV*

Clayton Stice encouraged Market Participants to attend the February 27, 2020 DGR Workshop IV.

Adjournment

Ms. Henson adjourned the February 13, 2020 PRS meeting at 11:30 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2020/2/13/188348-PRS> unless otherwise noted [↑](#footnote-ref-1)