**APPROVED**

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

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

**Thursday, December 12, 2019 – 9:30 a.m.**

Attendance

*Members:*

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Ashley, Kristy | | Customized Energy Solutions | |  |
| Benson, Mariah | | PUCT | | Via Teleconference |
| Bruce, Mark | | Cratylus Advisors | | Via Teleconference |
| Bunch, Kevin | | EDF Energy | | Via Teleconference |
| Checkley, Jim | | CTT | |  |
| Coleman, Diana | | CPS Energy | |  |
| Cook, Tim | | CTT | | Via Teleconference |
| Daigneault, Ralph | | Potomac Economics | |  |
| Downey, Marty | | Viridity | | Via Teleconference |
| Jewell, Michael | | Enel X | |  |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Loving, Alicia | | Austin Energy | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Musher, Danny | | Key Capture Energy | | Via Teleconference |
| Nguyen, Andy | | LCRA | |  |
| Paff, Tom | | Duke Energy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rehfeldt, Diana | | TNMP | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | | Via Teleconference |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Richmond, Michele | | TCPA | |  |
| Sams, Bryan | | Calpine Corporation | | Via Teleconference |
| Scott, Kathy | | CenterPoint Energy | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Mark | | Nucor | |  |
| Smyth, Scott | | DTRG Law | | Via Teleconference |
| Tran, Diane | TIEC | | Via Teleconference | |
| True, Roy | ACES Power | |  | |
| Watson, Mark | SP Global | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | |  | |
| Williams, Lori | Bryan Texas Utilities | | Via Teleconference | |
| Wittmeyer, Bob | Denton Municipal Entity | |  | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Bivens, Carrie |  | |  | |
| Boren, Ann |  | |  | |
| Boswell, Bill |  | | Via Teleconference | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Garcia, Freddy | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hughes, Lindsey | |  | | Via Teleconference |
| Kane, Erika | |  | | Via Teleconference |
| Levine, Jonathan | |  | |  |
| Maggio, Dave | |  | |  |
| Mereness, Matt | |  | | Via Teleconference |
| Morehead, Juliana | |  | | Via Teleconference |
| Moreno, Alfredo | |  | |  |
| Opheim, Calvin | |  | |  |
| Patterson, Mark | |  | |  |
| Phillips, Cory | |  | |  |
| Ragsdale, Ken | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Ruane, Mark | |  | |  |
| Scott, Vickie | |  | | Via Teleconference |
| Sharma, Sandip | |  | | Via Teleconference |
| Shaw, Pam | |  | | Via Teleconference |
| Sills, Alex | |  | | Via Teleconference |
| Stice, Clayton | |  | | Via Teleconference |
| Thomas, Shane | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Warnken, Pete | |  | | Via Teleconference |
| Wattles, Paul | |  | | Via Teleconference |
| Woodfin, Dan | |  | |  |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the December 12, 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)

*November 13, 2019*

**Clayton Greer moved to approve the November 13, 2019 meeting minutes. Blake Gross seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of Revision Requests considered at the November 20, 2019 TAC and December 10, 2019 Board meetings.

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 2019 and 2020 release targets and 2019 project spending. Mr. Anderson summarized the aging items report and presented the priority and rank options for Revision Requests requiring projects.

Urgency Vote(s) (Waive Notice)

*Nodal Protocol Revision Request (NPRR) 988, Correction to Conditions for DAM Award Eligibility for PTP Obligations with Links to an Option*

**Bill Barnes moved to waive notice in order to consider NPRR988. Mr. Greer seconded the motion. The motion carried unanimously.**

**Mr. Barnes moved to grant NPRR988 Urgent status. Mr. Greer seconded the motion. The motion carried unanimously.**

Alfredo Moreno summarized NPRR988.

**Mr. Barnes moved to recommend approval of NPRR988 as submitted, and to forward NPRR988 and the Impact Analysis to TAC. Ian Haley seconded the motion. The motion carried unanimously.**

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

*NPRR826, Mitigated Offer Caps for RMR Resources*

*NPRR963, Creation of Generation and Controllable Load Resource Group (GCLR Group)*

*NPRR974, Capacity Insufficiency Operating Condition Notice (OCN) Transparency*

Market Participants noted the requests for additional time for development of Impact Analyses for NPRR826 as outlined in the 12/11/19 ERCOT comments, and NPRR963 and NPRR974 as outlined in the respective 12/10/19 ERCOT comments.

**Mr. Greer moved to table NPRR826, NPRR963 and NPRR974 for one month. Mr. Haley seconded the motion. The motion carried unanimously.**

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

**Mr. Barnes moved to endorse and forward to TAC the 11/13/19 PRS Report and Impact Analysis for NPRR838. Melissa Trevino seconded the motion. The motion carried unanimously.**

*NPRR964, Improvement of RMR Process and Removal of Synchronous Condenser Unit and Agreement*

**Mr. Greer moved to endorse and forward to TAC the 11/13/19 PRS Report and Impact Analysis for NPRR964. Christian Powell seconded the motion. The motion carried unanimously.**

*NPRR967, Remove the 10 MW Limit from the Definition of Limited Duration Resource (LDR)*

**Mr. Greer moved** **to endorse and forward to TAC the 11/13/19 PRS Report as amended by the 12/4/19 Broad Reach Power comments and Impact Analysis for NPRR967. Mr. Haley seconded the motion. The motion carried unanimously.**

*NPRR971, Changing Energy Offer Curve Caps for Make-Whole Calculation Purposes and Replacing the Real-Time Average Incremental Energy Cost*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR971.

**Mr. Haley moved to endorse and forward to TAC the 11/13/19 PRS Report and Impact Analysis for NPRR971 with a recommended priority of 2020 and rank of 2950. John Varnell seconded the motion. The motion carried unanimously.**

*NPRR977, Create MIS Posting for RUC Cancellations*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR977.

**Mr. Haley moved to endorse and forward to TAC the 11/13/19 PRS Report and Impact Analysis for NPRR977 with a recommended priority of 2020 and a rank of 2960. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR978, Alignment with Amendments to PUCT Substantive Rule 25.505*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR978.

**Smith Day moved to endorse and forward to TAC the 11/13/19 PRS Report and Impact Analysis for NPRR978 with a recommended priority of 2020 and rank of 240. Mr. Gross seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 806, Adding QSE and DME Information to Disclosure Reports*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for SCR806.

**Mr. Barnes moved to endorse and forward to TAC the 11/13/19 PRS Report and the Impact Analysis for SCR806 with a recommended priority of 2020 and rank of 250. Mr. Greer 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*

*NPRR938, Distribution Voltage Level Block Load Transfer (BLT) Compensation*

*NPRR945, Net Metering Requirements*

*NPRR946, Allow TDSPs to Use 814\_28, Complete Un-executable Transactions for 814\_03 Switch Transactions Involved In A Mass Transition Event*

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

*NPRR953, Addition of Relay Loadability Rating Definition*

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR966, Changes to Support Reactive Power Coordination Tool*

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

*NPRR976, Provisions for Resource Entities to Act as a Virtual QSE or Emergency QSE*

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

PRS took no action on these items.

*NPRR903, Day-Ahead Market Timing Deviations*

Market Participants and ERCOT Staff discussed NPRR903 and the 12/9/19 Joint Comments. Andy Nguyen requested additional time to develop clarifications on potential uplift impacts and Settlement inconsistencies. PRS took no action on this item.

*NPRR955, Define Limited Impact Remedial Action Scheme (RAS)*

Market Participants discussed NPRR955, the 13/3/19 ERCOT comments, and 12/9/19 ROS comments.

**Mr. Greer moved to recommend approval of NPRR955 as amended by the 12/3/19 ERCOT comments with a recommended effective date of October 1, 2020. Mr. Powell seconded the motion. The motion carried unanimously.**

*NPRR970, Reliability Unit Commitment (RUC) Fuel Dispute Process Clarification*

**Mr. Greer moved to recommend approval of NPRR970 as submitted. Mr. Nguyen seconded the motion. The motion carried unanimously.**

*NPRR975, Load Forecast Model Transparency*

Market Participants and ERCOT Staff discussed NPRR975 and the 12/11/19 TCPA comments. Market Participants requested additional review of the issues by the Wholesale Market Working Group (WMWG).

**Mr. Barnes moved to table NPRR975 and refer the issue to the Wholesale Market Subcommittee (WMS). Mr. Greer seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR980, Accounting for NSO Forced Outages and GINR Inactive Projects in the Report on the Capacity, Demand and Reserves in the ERCOT Region*

Market Participants reviewed NPRR980 and the 11/11/19 WMS comments. Market Participants and ERCOT Staff discussed the implementation timeline for inclusion in the May 2020 Report on Capacity, Demand, and Reserves in the ERCOT Region.

**Mr. Barnes moved to recommend approval of NPRR980 as amended by the 11/11/19 WMS comments. Mr. Greer seconded the motion. The motion carried one abstention from the Consumer (Occidental) Market Segment.**

*NPRR981, Day-Ahead Market Price Correction Process*

Mr. Haley summarized NPRR981 and requested additional time for Market Participants to consider the preferred resolution for the issues addressed by NPRR903, Day-Ahead Market Timing Deviations. Market Participants requested WMS review the issues.

**Mr. Haley moved to table NPRR981 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR982, Alignment of Block Load Transfer (BLT) Requirements Between Protocols and Nodal Operating Guide*

Mark Ruane summarized NPRR982.

**Mr. Greer moved to recommend approval of NPRR982 as submitted. Mr. Haley 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*

Jonathan Levine summarized NPRR983. Market Participants requested information regarding how currently available reports correspond to grey-boxed reports proposed for removal.

**Mr. Barnes moved to table NPRR983. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR984, Change ERS Standard Contract Terms*

Mark Patterson summarized NPRR984. Market Participants expressed support for the concepts outlined in NPRR984, noted potential timing concerns, and requested additional review of the issues by the Demand Side Working Group (DSWG).

**Mr. Barnes moved to table NPRR984 and refer the issue to WMS. Mr. Powell seconded the motion. The motion carried unanimously.**

*NPRR985, Modify Forward Adjustment Factors to Include Pricing for the Current Operating Day*

Mr. Ruane summarized NPRR985.

**Mr. Barnes moved to recommend approval of NPRR985 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

*SCR807, Increase CRR Transaction Capability*

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

Market Participants and ERCOT Staff discussed the different solutions proposed in SCR807 and SCR808 and noted that cost would likely be a factor in determining the preferred solution. ERCOT Staff noted the significant potential requirements and impacts to ERCOT systems in implementing SCR808. Some Market Participants expressed concern for approving alternate solutions to develop Impact Analyses.

**Mr. Greer moved to recommend approval of SCR807 and SCR808 as submitted. The motion carried with three abstentions from the Cooperative (2) (STEC, PEC), and Investor Owned Utility (IOU) (Oncor) Market Segments.**

Resource Definition Task Force (RTF)

Bob Wittmeyer summarized RTF activities and requested PRS direction when concepts include both Resource definitions and requirements. Market Participants requested RTF submit the definition and requirements as one Revision Request and PRS will refer to the appropriate Subcommittee.

Other Business

*NPRR986, BESTF-2 Energy Storage Resource Energy Offer Curves, Pricing, Dispatch, and Mitigation*

Market Participants discussed consideration to grant Urgent status for NPRR986 at the January 12, 2020 PRS meeting.

Adjournment

Ms. Henson adjourned the December 12, 2019 PRS meeting at 10:42 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2019/12/12/165019-PRS unless otherwise noted [↑](#footnote-ref-1)