**APPROVED**

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

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

**Thursday, November 13, 2019 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton  | Morgan Stanley | Via Teleconference |
| 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 | Via Teleconference |

|  |  |  |
| --- | --- | --- |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Alford, Anthony | CenterPoint Energy | Via Teleconference |
| Benson, Mariah | PUCT | Via Teleconference |
| Blackburn, Don |  | Via Teleconference |
| Bryant, Mark | PUCT | Via Teleconference |
| Checkley, Jim | CTT | Via Teleconference |
| Cochran, Seth | DC Energy |  |
| Coleman, Diana | CPS Energy | Via Teleconference |
| Coleman, Katie | TIEC |  |
| Cook, Tim | CTT | Via Teleconference |
| Cortez, Sarai | Sharyland Utilities  |  |
| Daigneault, Ralph | Potomac Economics |  |
| Downey, Marty | Viridity |  |
| Gregg, Michele | TCPA |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Kuhn, Tyler | Citadel | Via Teleconference |
| Lange, Clif | South Texas Electric Cooperative | Via Teleconference |
| Lee, Jim | AEP |  |
| McKeever, Debbie | Oncor | Via Teleconference |
| Morris, Sandy | Direct Energy |  |
| Nguyen, Andy | LCRA |  |
| Pappu, Ajay | Invenergy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reader, Raborn | Enterprise Products |  |
| Reedy, Steve | Potomac Economics | Via Teleconference |
| Rehfeldt, Diana | TNMP | Via Teleconference |
| Reid, Walter | Advanced Power Alliance | Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative |   |
| Sams, Bryan | Calpine Corporation |  |
| Schwarz, Brad | Hunt Utility Services |  |
| Siddiqi, Shams | Crescent Power |   |
| Sithuraj, Murali | Austin Energy |  |
| Smyth, Scott | DTRG Law | Via Teleconference |
| Surendran, Resmi | Shell Energy North America | Via Teleconference |
| Thomas, Wayne | Bryan Texas Utilities |  |
| Tran, Diane | TIEC |  |
| True, Roy | ACES Power | Via Teleconference |
| Watson, Mark | SP Global | Via Teleconference |
| Wittmeyer, Bob | Denton Municipal Entity |  |
| Younger, Joseph | Texas Reliability Entity | Via Teleconference |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Connor |  | Via Teleconference |
| Anderson, Troy |  |  |
| Bethke, Ponda |  | Via Teleconference |
| Bivens, Carrie |  | Via Teleconference |
| Boren, Ann |  |  |
| Boswell, Bill |  | Via Teleconference |
| Bracy, Phil  |   | Via Teleconference |
| Chen, Jian |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Findley, Samantha |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  | Via Teleconference |
| Hilliard, Marie |  | Via Teleconference |
| House, Donald |   | Via Teleconference |
| Hu, Weiwei |  | Via Teleconference |
| Huang, Fred |  | Via Teleconference |
| Hui, Hailong |  | Via Teleconference |
| Kane, Erika |  | Via Teleconference |
| Lasher, Warren |  |  |
| Levine, Jon |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Morehead, Juliana |  |  |
| Moreno, Alfredo |  | Via Teleconference |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Ruane, Mark |  |  |
| Scott, Vickie |  | Via Teleconference |
| Shanks, Magie |  | Via Teleconference |
| Shaw, Pam |  | Via Teleconference |
| Smith, Nathan |  | Via Teleconference |
| Solis, Stephen |  |  |
| Townsend, Aaron |  | Via Teleconference |
| Troublefield, Jordan |  | 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 November 13, 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)

*October 10, 2019*

**Bill Barnes moved to approve the October 10, 2019 meeting minutes. Eric Blakey seconded the motion. The motion carried unanimously. The Independent Power Marketer (IPM) Market Segment was not present for the vote**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of items considered at the October 23, 2019 TAC 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 and reviewed the 2019 and 2020 release targets and project spending. Mr. Anderson summarized the aging items report and presented the priority and rank options for Revision Requests requiring projects.

Other Binding Documents List

*Procedure for Calculating Responsive Reserve (RRS) Limits for Individual Resource****s***

**David Detelich moved to add the Procedure for RRS Limits for Individual Resources to the list of Other Binding Documents. Ian Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

*Nodal Protocol Revision Request (NPRR) 928, Cybersecurity Incident Notification*

**Blake Gross moved to endorse and forward to TAC the 10/10/19 PRS Report and Impact Analysis for NPRR928. Smith Day seconded the motion. The motion carried with one abstention from the Independent Generator (Luminant) Market Segment. The IPM Market Segment was not present for the vote.**

*NPRR941, Create a Lower Rio Grande Valley Hub*

ERCOT Staff summarized the 11/5/19 ERCOT comments, reviewed the additional cost impacts for Hub definition logic permutations one through three, presented the additional analysis for four through six, stated that seven was not feasible, and noted the need to revise the Impact Analysis for NPRR941. Market Participants discussed hub definition factors and cost efficiencies, expressed support for items one through three, requested ERCOT revise the Impact Analysis for consideration at TAC, and reviewed the appropriate priority and rank for NPRR941.

**Mr. Barnes moved to endorse and forward to TAC the 8/15/19 PRS Report as amended by the 10/28/19 ERCOT comments and the Impact Analysis for NPRR941 with a recommended priority of 2020 and rank of 2860. Mr. Haley seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment. The IPM Market Segment was not present for the vote**

*NPRR972, Enhancing Existing CRR Transaction Limit Process*

**Mr. Barnes moved to endorse and forward to TAC the 10/10/19 PRS Report and Impact Analysis for NPRR972. Melissa Trevino seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR903, Day-Ahead Market Timing Deviations*

*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*

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

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR966, Changes to Support Reactive Power Coordination Tool*

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

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

PRS took no action on these items.

*NPRR826, Mitigated Offer Caps for RMR Resources*

Mr. Barnes summarized NPRR826, the 11/7/19 Reliant comments, and the 11/12/19 Joint comments. Market Participants expressed support for the appropriate compromise regarding the treatment of Reliability Must-Run (RMR) Resources.

**Mr. Barnes moved to recommend approval of NPRR826 as amended by the 11/12/19 Joint comments. Mr. Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

**Mr. Barnes moved to recommend approval of NPRR838 as amended by the 10/2/19 ERCOT comments. Mr. Detelich seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

Market Participants acknowledged the potential for minor clarifications to the language following approval of NPRR957, RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements.

**Mr. Detelich moved to recommend approval of NPRR963 as amended by the 10/11/19 ERCOT comments. Mr. Day seconded the motion. The motion carried with two abstentions from the Independent Generator (Luminant) and Consumer (Occidental) Market Segments. The IPM Market Segment was not present for the vote**

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

Market Participants reviewed the 9/24/19 ERCOT comments.

**Mr. Barnes moved to recommend approval of NPRR964 as amended by the 9/24/19 ERCOT comments. Ms. Trevino seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

*NPRR967, Allow Limited Duration Resource Energy Offer Curve Updates Near Real-Time and Remove the 10 MW Limit*

Market Participants reviewed the 10/2/10 APA comments.

**Mr. Detelich moved to recommend approval of NPRR967 as amended by the 10/2/19 APA comments. Mr. Barnes seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

Market Participants reviewed the 11/12/19 Luminant comments, expressed support for the limited scope of NPRR971, and noted that future concerns should be addressed in a subsequent Revision Request.

**Mr. Haley moved to recommend approval of NPRR971 as amended by the 11/12/19 Luminant comments. Mr. Barnes seconded the motion. The motion carried with one abstention from the Consumer (OPUC) Market Segment. The IPM Market Segment was not present for the vote.**

Review of Revision Request Language (see Key Documents)

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

Michele Gregg summarized NPRR974 and the 11/11/19 ERCOT comments. Market Participants requested ERCOT provide a preview of the revised Short-Term System Adequacy Report prior to implementation.

**Mr. Barnes moved to recommend approval of NPRR974 as amended by the 11/11/19 ERCOT comments. Christian Powell seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

*NPRR975, Load Forecast Model Transparency*

Ms. Gregg summarized NPRR975 and the 11/11/19 ERCOT comments. Market Participants and ERCOT Staff discussed a desire to return with compromise language that is sensitive to both the market’s priorities and ERCOT’s practicalities.

**Mr. Barnes moved to table NPRR975 for one month. Mr. Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

ERCOT Staff summarized NPRR976. Market Participants expressed concern for how the actions proposed in NPRR976 would be performed, and requested review of the issue by the Wholesale Market Subcommittee (WMS).

**Mr. Barnes moved to table NPRR976 and refer the issue to WMS. Mr. Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

*NPRR977, Create MIS Posting for RUC Cancellations*

**Mr. Barnes moved to recommend approval of NPRR977 as submitted. Sandy Morris seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

**Mr. Barnes moved to recommend approval of NPRR978 as submitted. Mr. Day seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

ERCOT Staff presented NPRR979. Market Participants requested review of the issues by the Reliability and Operations Subcommittee (ROS).

**Mr. Gross moved to table NPRR979 and refer the issue to ROS. Mr. Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

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

**Mr. Barnes moved to recommend approval of SCR806 as submitted. Mr. Haley seconded the motion. The motion carried unanimously. The IPM Market Segment was not present for the vote.**

Resource Definition Task Force (RTF)

Bob Wittmeyer reviewed RTF activities and noted the November 13, 2019 RTF meeting is cancelled.

Other Business

Ms. Henson noted that 2020 Segment elections are underway and encouraged Market Participants to provide input to ERCOT Staff regarding improvements to the Market Information System (MIS) Secure Area and ERCOT home page.

Adjournment

Ms. Henson adjourned the November 13, 2019 PRS meeting at 11:00 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2019/11/13/165013-PRS> unless otherwise noted [↑](#footnote-ref-1)