**APPROVED**

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

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

**Thursday, October 10, 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 |  |
| 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 |
| Alford, Anthony | | CenterPoint Energy | | Via Teleconference |
| Benson, Mariah | | PUCT | | Via Teleconference |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Bunch, Kevin | | EDF Energy Services | |  |
| Checkley, Jim | | CTT | |  |
| Cochran, Seth | | DC Energy | |  |
| Coleman, Diana | | CPS Energy | |  |
| Coleman, Katie | | TIEC | |  |
| Cook, Tim | | CTT | | Via Teleconference |
| Daigneault, Ralph | | Potomac Economics | |  |
| Davis, Micheal | | CenterPoint Energy | | Via Teleconference |
| Downey, Marty | | Electranet Power | |  |
| Hayden, Mario | | EGPNA | | Via Teleconference |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Juricek, Michael | | Oncor | | Via Teleconference |
| Kee, David | | CPS Energy | | Via Teleconference |
| Khayat, Maribel | | CenterPoint Energy | | Via Teleconference |
| Lee, Jim | | AEP | |  |
| McKeever, Debbie | | Oncor | | Via Teleconference |
| McCamant, Frank | | McCamant Consulting | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Nguyen, Andy | | LCRA | |  |
| Musher, Danny | | Key Capture Energy | | Via Teleconference |
| Pham, Michelle | | CenterPoint Energy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rainwater, Kim | | Environmental Defense Fund | | Via Teleconference |
| Reader, Raborn | | Enterprise Products | |  |
| Rehfeldt, Diana | | TNMP | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | |  |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Rochelle-Bradburn, Jennifer | | Customized Energy Solutions | |  |
| Sams, Bryan | | Calpine Corporation | |  |
| Schwarz, Brad | | Sharyland | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | | Via Teleconference |
| Smith, Chris | | Austin Energy | | Via Teleconference |
| Smyth, Scott | | DTRG Law | | Via Teleconference |
| Thomas, Wayne | Bryan Texas Utilities | |  | |
| Tran, Diane | TIEC | |  | |
| Watson, Mark | SP Global | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | | Via Teleconference | |
| Wittmeyer, Bob | Denton Municipal Entity | |  | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Bivens, Carrie |  | | Via Teleconference | |
| Boren, Ann |  | |  | |
| Boswell, Bill |  | | Via Teleconference | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Chen, Jian | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Findley, Samantha | |  | | Via Teleconference |
| Fohn, Douglas | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| Hartmann Jimmy | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| House, Donald | |  | |  |
| Hu, Weiwei | |  | | Via Teleconference |
| Hui, Hailong | |  | | Via Teleconference |
| Hull, Gibson | |  | | Via Teleconference |
| Kane, Erika | |  | | Via Teleconference |
| Lee, Alex | |  | | Via Teleconference |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Mago, Nitika | |  | | Via Teleconference |
| Morehead, Juliana | |  | |  |
| Moreno, Alfredo | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Rosel, Austin | |  | |  |
| Ruane, Mark | |  | |  |
| Scott, Vickie | |  | | Via Teleconference |
| Shanks, Magie | |  | | Via Teleconference |
| Shaw, Pam | |  | | Via Teleconference |
| Smith, Nathan | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Teixeira, Jay | |  | |  |
| Thomas, Shane | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the October 10, 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)

*September 12, 2019*

**Kevin Bunch moved to approve the September 12, 2019 meeting minutes. Shawnee Claiborn-Pinto seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of items considered at the September 25, 2019 TAC meeting and October 8, 2019 Board 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.

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

*Nodal Protocol Revision Request (NPRR) 849, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI*

**Mr. Bunch moved to endorse and forward to TAC the 9/12/19 PRS Report and Impact Analysis for NPRR849. Blake Gross seconded the motion. The motion carried unanimously.**

*NPRR902, ERCOT Critical Energy Infrastructure Information*

Mr. Anderson summarized the complexities in developing the Impact Analysis for NPRR902 and potential efficiencies. Market Participants reviewed the Business Case, revised Impact Analysis and appropriate priority and rank for NPRR902.

**Bill Barnes moved to endorse and forward to TAC the 9/12/19 PRS Report and Revised Impact Analysis for NPRR902 with a recommended priority of 2020 and a rank of 2890. Marty Downey seconded the motion. The motion carried with one abstention from the Independent Generator (Luminant) Market Segment.**

*NPRR937, Distribution Voltage Level Block Load Transfer (BLT) Deployment*

Katie Rich summarized NPRR937 and the 10/7/19 GSEC comments.

**Ian Haley moved to endorse and forward to TAC the 9/12/19 PRS Report as amended by the 10/7/19 GSEC comments and the Impact Analysis for NPRR937. Mr. Downey seconded the motion. The motion carried unanimously.**

*NPRR941, Create a Lower Rio Grande Valley Hub*

Dave Maggio reviewed analysis of system limitations in creating future HUBs, noted that items one through three are already considered in the posted Impact Analysis for implementing NPRR941 and that items four through seven are additional, reminded Market Participants of the differences between the underlying assumptions in place for NPRR817, Create a Panhandle Hub, and requested input on desired flexibility. Market Participants requested ERCOT provide additional cost estimates for items four through six to assess which ones may be suitable for inclusion in a revised Impact Analysis in NPRR941.

**Mr. Bunch moved to table NPRR941. Mr. Downey seconded the motion. The motion carried unanimously.**

*NPRR957, RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements*

**Mr. Downey moved to endorse and forward to TAC the 9/12/19 PRS Report and Impact Analysis for NPRR957. John Varnell seconded the motion. The motion carried unanimously.**

*NPRR965, GREDP Shutdown Exemption*

**Mr. Haley moved to endorse and forward to TAC the 9/12/19 PRS Report and Impact Analysis for NPRR965 with a recommended priority of 2020 and a rank of 2900. Andy Nguyen seconded the motion. The motion carried unanimously.**

*NPRR968, Revise EEA Level 3 Triggers from 1375 MW to 1430 MW to Align with New Most Severe Single Contingency Value*

**Mr. Gross moved to endorse and forward to TAC the 9/12/19 PRS Report and the Impact Analysis for NPRR968. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR969, Clean-up of Protocol 19.8, Retail Market Testing*

Jim Lee reviewed the 9/23/19 AEP comments.

**Mr. Gross moved to endorse and forward to TAC the 9/12/19 PRS Report as amended by the 9/23/19 AEP comments and the Impact Analysis for NPRR969. Mr. Downey seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 800, Addition of DC Tie Ramp to GTBD Calculation*

Mr. Anderson noted that SCR800 has an impact to the Market Management System (MMS) which, due to technology upgrade efforts, may affect the final implementation date of SCR800.

**Mr. Gross moved to endorse and forward to TAC the 9/12/19 PRS Report and Impact Analysis for SCR800 with a recommended priority of 2020 and a rank of 2910. Mr. Bunch seconded the motion. The motion carried unanimously.**

*SCR805, Provide Early Access to Certain 60-Day Reports to TSPs Upon Request*

**Mr. Gross moved to endorse and forward to TAC the 9/12/19 PRS Report and Impact Analysis for SCR805 with a recommended priority of 2020 and a rank of 2920. Mr. Haley seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment.**

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*

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

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

*NPRR966, Changes to Support Reactive Power Coordination Tool*

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

PRS took no action on these items.

*NPRR826, Mitigated Offer Caps for RMR Resources*

Mr. Barnes summarized NPRR826 and recent discussions regarding the appropriate shift factor cutoff for Reliability Must-Run (RMR) Resources. PRS took no action on this item.

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

Ino Gonzalez summarized NPRR838 and the 10/2/19 ERCOT comments. Market Participants requested additional time to review the issues. Mr. Gonzalez requested PRS consider NPRR838 at the November 13, 2019 PRS meeting so that ERCOT may codify instructions for future RMR Units. PRS took no action on this item.

*NPRR928, Cybersecurity Incident Notification*

Juliana Morehead stated ERCOT supports the 9/27/19 MSCGI comments.

**Mr. Gross moved to recommend approval of NPRR928 as amended by the 9/27/19 MSCGI comments. Ms. Henson seconded the motion. The motion carried with three abstentions from the Independent Generator (Luminant) and Independent Power Marketer (IPM) (2) (EDF, Tenaska) Market Segments.**

Review of Revision Request Language (see Key Documents)

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

Mr. Gonzalez summarized NPRR970 and the related the Verifiable Cost Manual Revision Request (VCMRR) 026, Related to NPRR970, Reliability Unit Commitment (RUC) Fuel Dispute Process Clarification.

**Mr. Gross moved to table NPRR970 and refer the issue to the Wholesale Market Subcommittee (WMS). 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*

Austin Rosel summarized NPRR971. Market Participants requested additional review of the issues by WMS.

**Mr. Haley moved to table NPRR971 and refer the issue to WMS. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR972, Enhancing Existing CRR Transaction Limit Process*

Donald House summarized NPRR972 and noted that NPRR936, CRR Account Holder Limits, changed the Congestion Revenue Right (CRR) transaction limit to the Counter-Party level, rather than that of the CRR Account Holder.

**Mr. Haley moved to recommend approval of NPRR972 as submitted. Mr. Downey seconded the motion. The motion carried unanimously.**

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

Jay Teixeira summarized NPRR973. Market Participants reviewed the 10/9/19 TIEC comments and requested review of the issues by the Reliability and Operations Subcommittee (ROS).

**Mr. Gross moved to table NPRR973 and refer the issue to ROS. Melissa Trevino seconded the motion. The motion carried unanimously.**

Notice of Withdrawal

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

Ms. Henson noted the withdrawal of NPRR934.

Resource Definition Task Force (RTF)

Bob Wittmeyer reviewed RTF activities and encouraged Market Participants to attend the October 10, 2019 RTF meeting to discuss Distributed Generation (DG) Resource definitions.

Other Business

*2020 Meeting Schedule*

Market Participants reviewed the 2020 Meeting Calendar.

*2020 Membership/Segment Elections*

Suzy Clifton reminded Market Participants that the membership date of record is Friday, November 8, 2019 and stated that 2020 Segment Representative Elections would begin on Monday, November 11, 2019.

Adjournment

Ms. Henson adjourned the October 10, 2019 PRS meeting at 10:58 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2019/10/10/165007-PRS unless otherwise noted [↑](#footnote-ref-1)