**APPROVED**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, September 12, 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 |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Paff, Tom | Duke Energy | Via Teleconference |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Alford, Anthony | | CenterPoint Energy | | Via Teleconference |
| Benson, Mariah | | PUCT | | Via Teleconference |
| Boisseau, Heather | | LCRA | | Via Teleconference |
| Bowen, Kenneth | | CPS Energy | | Via Teleconference |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Bunch, Kevin | | EDF Energy Services | |  |
| Checkley, Jim | | CTT | |  |
| Clark, Jack | | NextEra Energy | | Via Teleconference |
| Cochran, Seth | | DC Energy | |  |
| Coleman, Diana | | CPS Energy | |  |
| Downey, Marty | | Electranet Power | |  |
| Helton, Bob | | Engie | |  |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Jonas, Todd | | Tenaska Power Services | |  |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Lee, Jim | | AEP | |  |
| Loving, Alicia | | Austin Energy | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Musher, Danny | | Key Capture Energy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | | Via Teleconference |
| Rainwater, Kim | | Environmental Defense Fund | |  |
| Reed, Cyrus | | Sierra Club | |  |
| Rehfeldt, Diana | | TNMP | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | |  |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Robertson, Jennifer | | LCRA | |  |
| Schwarz, Brad | | Sharyland | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | |  |
| Smith, Chris | | Austin Energy | | Via Teleconference |
| Smyth, Scott | | DTRG Law | | Via Teleconference |
| Thomas, Wayne | Bryan Texas Utilities | |  | |
| Tran, Diane | TIEC | |  | |
| True, Roy | ACES | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | |  | |
| Wittmeyer, Bob | Denton Municipal Entity | |  | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Blevins, Bill |  | |  | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Clifton, Suzy | |  | |  |
| Day, Betty | |  | | Via Teleconference |
| Fohn, Douglas | |  | | Via Teleconference |
| Garcia, Freddy | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| House, Donald | |  | | Via Teleconference |
| Hu, Weiwei | |  | | Via Teleconference |
| Hui, Hailong | |  | |  |
| Hull, Gibson | |  | | Via Teleconference |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Mago, Nitika | |  | | Via Teleconference |
| Morehead, Juliana | |  | |  |
| Moreno, Alfredo | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Rosel, Austin | |  | |  |
| Ruane, Mark | |  | |  |
| Scott, Vickie | |  | | Via Teleconference |
| Sharma, Sandip | |  | |  |
| Shaw, Pam | |  | | Via Teleconference |
| Solis, Stephen | |  | |  |
| Stice, Clayton | |  | |  |
| Troublefield, Jordan | |  | |  |
| Wattles, Paul | |  | |  |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the September 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)

*August 15, 2019*

**Ian Haley moved to approve the August 15, 2019 meeting minutes. Clayton Greer seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted that TAC and the ERCOT Board had not met since the August 15, 2019 PRS meeting. Bob Helton stated that the motions to endorse Real-Time Co-Optimization (RTC) Key Principle 1.4, Subsection 2(a)-(d): System Inputs into Real-Time Co-Optimization, Key Principle 1.5, Subsections 7-13: Process for Deploying Ancillary Services, and Key Principle 3, Subsections 10-12: Reliability Unit Commitment (RUC) for the purposes of informing the ERCOT Board, carried via TAC email votes.

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. Mr. Anderson reviewed the 2019 and 2020 release targets and 2019 project spending, and noted potential impacts to future projects with the implementation of the upcoming Market Management Systems (MMS)/Outage Scheduler (OS) Tech Refresh project. 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) 918, Validation for PTP Obligations with Links to an Option*

Market Participants reviewed the revised Impact Analysis and appropriate priority and rank for NPRR918.

**Bill Barnes moved to endorse and forward to TAC the 8/15/19 PRS Report and the Revised Impact Analysis for NPRR918 with a recommended priority of 2020 and rank of 2840. Mr. Helton seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

*NPRR936, CRR Account Holder Limits*

Market Participants reviewed the Business Case, Impact Analysis, and appropriate priority and rank for NPRR936.

**Mr. Helton move to endorse and forward to TAC the 8/15/19 PRS Report and the Impact Analysis for NPRR936 with a recommended priority of 2020 and rank of 2850. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR941, Create a Lower Rio Grande Valley Hub*

ERCOT Staff presented the Impact Analysis, noting differences between the underlying assumptions in place for NPRR817, Create a Panhandle Hub, and the changes proposed in NPRR941. Market Participants offered clarifications to the Business Case.

**Mr. Greer moved to endorse and forward to TAC the 8/15/19 PRS Report as revised by PRS and the Impact Analysis for NPRR941 with a recommended priority of 2020 and rank of 2860. Mr. Downey seconded the motion.** ERCOT Staff discussed potential limitations and cost impacts of the proposed clarifications. Market Participants requested ERCOT conduct further analysis of other underlying restrictions within its system(s) which may similarly impact the cost to create future Hubs. Mr. Greer withdrew the motion. **Mr. Greer moved to table NPRR941 for one month. Mr. Haley seconded the motion. The motion carried unanimously.**

*NPRR958, Modifications to Wind and Solar Capacity Calculations in the CDR*

*NPRR959, Creation of a Panhandle Region for Calculation of Seasonal Peak Average Capacity Contributions for Wind*

*NPRR960, Phased Approach and Clarifications for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve*

*NPRR961, Related to NOGRR194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides*

**Mr. Greer moved to endorse and forward to TAC the respective 8/15/19 PRS Reports and Impact Analyses for NPRR958, NPRR959, NPRR960, and NPRR961. Mr. Downey seconded the motion. The motion carried unanimously.**

*NPRR962, Publish Approved DC Tie Schedules*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR962.

**Mr. Greer moved to endorse and forward to TAC the 8/15/19 PRS Report and the Impact Analysis for NPRR962 with a recommended priority of 2020 and rank of 2870. Mr. Haley seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 804, ERCOT GridGeo Access for Transmission Operators*

Market Participants reviewed the Business Case, Impact Analysis, and appropriate priority and rank for SCR804. Market Participants that supported SCR804 noted the reliability benefits of providing access for Transmission Operators (TOs) to ERCOT’s GridGeo application and the effort to minimize cost impacts by limiting TOs to a single GridGeo user.

**Mr. Greer moved to endorse and forward to TAC the 7/17/19 PRS Report and the Impact Analysis for SCR804 with a recommended priority of 2020 and rank of 2880. Mr. Haley seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR826, Mitigated Offer Caps for RMR Resources*

*NPRR903, Day-Ahead Market Timing Deviations*

*NPRR928, Cybersecurity Incident Notification*

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

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

*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*

PRS took no action on these items.

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

ERCOT Staff summarized the issues related to the Real-Time Mitigated Offer Cap (MOC) calculations in both NPRR826 and NPRR838 and stated that ERCOT will provide clarifications to NPRR838 to be considered at the October 10, 2019 PRS meeting.

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

Market Participants reviewed NPRR849 and the 9/11/19 ERCOT comments.

**Caitlin Smith moved to recommend approval of NPRR849 as amended by the 9/11/19 ERCOT comments. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR902, ERCOT Critical Energy Infrastructure Information*

**Mr. Greer moved to recommend approval of NPRR902 as amended by the 9/4/19 ERCOT comments. Mr. Barnes seconded the motion. The motion carried with one abstention from the Independent Generator (Luminant) Market Segment.**

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

Market Participants reviewed NPRR919 and the 9/6/19 ROS comments.

**Kevin Bunch moved to reject NPRR919. Mr. Greer seconded the motion. The motion carried unanimously.**

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

Market Participants reviewed NPRR937, the 8/2/19 GSEC comments, and the 9/6/19 ROS comments.

**Mr. Greer moved to recommend approval of NPRR937 as amended by the 8/2/19 GSEC comments. Katie Rich seconded the motion. The motion carried unanimously.**

*NPRR950, Switchable Generation Resources Providing Black Start Service*

Market Participants acknowledged the request for urgency outlined in the 8/27/19 ERCOT comments, and also noted the recent Reliability and Operations Subcommittee (ROS) endorsement of NPRR950 as amended by the 8/8/19 ERCOT comments.

**Mr. Greer moved to grant NPRR950 Urgent status. John Varnell seconded the motion. The motion carried unanimously.**

**Mr. Greer moved to recommend approval of NPRR950 as amended by the 8/8/19 ERCOT comments, and to forward to TAC NPRR950 and the Impact Analysis. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR957, RTF-4 Create Definition and Terms for Energy Storage*

Market Participants reviewed NPRR957 and the 9/5/19 ERCOT comments.

**Mr. Helton moved to recommend approval of NPRR957 as amended by the 9/5/19 ERCOT comments. Smith Day seconded the motion. The motion carried unanimously.**

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

**Mr. Barnes moved to recommend approval of SCR800 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR965, GREDP Shutdown Exemption*

**Mr. Haley moved to recommend approval of NPRR965 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR966, Changes to Support Reactive Power Coordination Tool*

ERCOT Staff summarized NPRR966, discussions at recent Operations Working Group (OWG) and Voltage Profile Working Group (VPWG) meetings, and the September 5, 2019 Reactive Power Coordination Workshop. Market Participants reviewed the 9/9/10 Oncor comments. Some Market Participants expressed concerns with approving Protocol language in advance of developing, testing, and piloting the underlying tool. ERCOT Staff encouraged Market Participants to submit clarifications in advance of the anticipated October workshop.

**Mr. Haley moved to table NPRR966. Blake Gross** **seconded the motion. The motion carried unanimously.**

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

**Mr. Helton moved to table NPRR967 and refer the issue to the Wholesale Market Subcommittee (WMS). Mr. Greer 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*

ERCOT Staff summarized NPRR968 and stated that that during the annual review process, it was determined the change from 1,375 Megawatt (MW) to 1,430 MW is necessary as previous use of net MW values was not capturing the total impact of the loss of a nuclear unit. Market Participants also discussed North American Electric Reliability Corporation (NERC) requirements regarding determination of the need to declare an Energy Emergency Alert (EEA) Level 3 event.

**Mr. Barnes moved to recommend approval of NPRR968 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

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

**Mr. Greer moved to recommend approval of NPRR969 as submitted. Eric Blakey seconded the motion. The motion carried unanimously.**

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

**Mr. Greer moved to recommend approval of SCR805 as submitted. Mr. Haley seconded the motion. The motion carried with one abstention from the Consumer (Occidental) Market Segment.**

Resource Definition Task Force (RTF)

Mr. Wittmeyer reviewed RTF activities and noted the September 12, 2019 RTF meeting was cancelled.

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson summarized 2020 efficiencies for RTF and encouraged Market Participants to attend the September 17, 2019 TAC and TAC Subcommittee Structural and Procedural Review WebEx.

*2020 Meeting Schedule*

Market Participants reviewed the 2020 Meeting Calendar.

Adjournment

Ms. Henson adjourned the September 12, 2019 PRS meeting at 11:06 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2019/9/12/165001-PRS unless otherwise noted [↑](#footnote-ref-1)