**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, April 13, 2017 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Burke, Tom | Golden Spread Electric Cooperative | Via Teleconference |
| Coleman, Diana | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Gibson, C.  | Discount Power  |  |
| Greer, Clayton | Morgan Stanley |  |
| Henson, Martha | Oncor |  |
| Kee, David | CPS Energy |   |
| Ricketts, David | Luminant |  |
| Scott, Kathy | CenterPoint Energy | Alt. Rep. for P. Peters |
| Shaw, Marka | Exelon |  |
| Trevino, Melissa | Occidental Chemical |  |
| Varnell, John | Tenaska Power Services |  |

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| --- | --- | --- |
| *Guests:* |  |  |
| Abbott, Kristin | PUCT | Via Teleconference |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Allen, Travis | Enbridge | Via Teleconference |
| Blakey, Eric | Just Energy |  |
| Bryant, Mark | PUCT | Via Teleconference |
| Cochran, Seth | DC Energy |  |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Downey, Marty | Viridity |  |
| Dumas, John | LCRA |  |
| Engelby, Ben | ACES Power | Via Teleconference |
| Goff, Eric | Citigroup Energy |  |
| Gross, Blake | AEPSC | Via Teleconference |
| Helton, Bob | Dynegy |  |
| Hurst, Jay | Schneider Engineering | Via Teleconference |
| Jacobs, Kaci | TXU | Via Teleconference |
| Johnson, David | IVG | Via Teleconference |
| Jones, Randy | Calpine |  |
| Juricek, Michael | Oncor | Via Teleconference |
| Lee, Jim | AEPSC |  |
| McKeever, Debbie | Oncor |  |
| Morris, Sandy | Direct Energy |  |
| Mueller, Paula | Texas Reliability | Via Teleconference |
| Reedy, Steve | Potomac Economics |  |
| Reeve, Adam | REsurety  | Via Teleconference |
| Robertson, Jennifer | LCRA |  |
| Robinson, Rhonda | Calpine | Via Teleconference |
| Siddiqi, Shams | Crescent Power |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Mark | Nucor |  |
| Thompson, David | Pedernales Electric Cooperative |  |
| Turner, Lucas | South Texas Electric Cooperative | Via Teleconference |
| Watson, Mark | S & P Global Platts | Via Teleconference |
| White, Lauri | AEPSC |  |
| Whittle, Brandon | Megawatt Analytics  |  |
| Whitworth, Doug | Texas Reliability Entity | Via Teleconference |
| Wittmeyer, Bob | Denton Municipal Electric |  |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Annab, Magie |  | Via Teleconference |
| Billo, Jeff |  |  |
| Bivens, Carrie |  |  |
| Boren, Ann |  |  |
| Bracy, Phil  |   |   |
| Butterfield, Lindsay |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Day, Betty |  | Via Teleconference |
| Fleming, Lauren |  |  |
| Gonzalez, Ino |  | Via Teleconference |
| Hobbs, Kristi |  |  |
| Jones, Dan |  |  |
| Landry, Kelly |  |  |
| Levine, Jonathan |  |  |
| Morehead, Juliana |  | Via Teleconference |
| Ögelman. Kenan |  |  |
| Phillips, Cory |  |  |
| Prichard, Lloyd |  | Via Teleconference |
| Reed, Bobby |  | Via Teleconference |
| Ruane, Mark |  |   |
| Sharma, Sandip |  |  |
| Shaw, Pam |  |  |
| Solis, Stephen |  |  |
| Stice, Clayton |  | Via Teleconference |
| Surendran, Resmi |  |  |
| Townsend, Aaron |  | Via Teleconference |
| Wattles, Paul |  | Via Teleconference |
| Zeplin, Rachel |  |  |

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

Martha Henson called the April 13, 2017 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)

*March 9, 2017*

**Bob Helton moved to approve the March 9, 2017 PRS meeting minutes as submitted. David Kee seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report (see Key Documents)

Ms. Henson noted the disposition of Revision Requests considered at the March 23, 2017 TAC and April 4, 2017 ERCOT 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, reviewed the 2017 and 2018 Release Target dates and 2017 project spending, and presented the priority and rank options for Revision Requests with impacts. Mr. Anderson noted the May 2017 Off-Cycle Release and stated the Network Model Management System (NMMS) Upgrade project target release go-live date is in Q2 of 2017. Mr. Anderson presented results of ERCOT’s annual review of Impact Analyses and reviewed variances from project cost and duration ranges. Market Participants discussed the variances and requested ERCOT provide further analysis of the Full-Time Equivalent (FTE) impacts. ERCOT staff discussed the challenges in analyzing FTE impacts and offered to review reporting options.

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

*Nodal Protocol Revision Request (NPRR) 562, Subsynchronous Resonance*

ERCOT Staff offered clarifications to the 3/9/17 PRS Report and reviewed the revised Impact Analysis.

**Mr. Helton moved to endorse and forward to TAC the 3/9/17 PRS Report as revised by PRS and the revised Impact Analysis for NPRR562 with a recommended priority of 2017 and rank of 1990. Clayton Greer seconded the motion. The motion carried unanimously.**

*NPRR820, Clarification of Aggregate Generation Resource (AGR) Definition*

**Mr. Greer moved to endorse and forward to TAC the 3/9/17 PRS Report and the Impact Analysis for NPRR820. Sandy Morris seconded the motion. The motion carried unanimously.**

*PGRR057, Responsibilities for Performing Geomagnetic Disturbance (GMD) Vulnerability Assessments*

Market Participants reviewed the Impact Analysis for Planning Guide Revision Request (PGRR) 057 and expressed concerned for the budgetary impact. In response to Market Participant questions, Jeff Billo noted that in order to develop a GMD vulnerability assessment process, ERCOT is considering the use of outside services. Market Participants requested that ERCOT consider providing the additional information in a revised Impact Analysis.

**Mr. Greer moved to endorse the Reliability and Operations Subcommittee (ROS) recommended priority of 2017 and rank of 150 for PGRR057. John Varnell seconded the motion. The motion carried unanimously.**

Review of Pending Project Priorities (see Key Documents)

Mr. Anderson presented target start dates for approved Revision Requests for April, May and September 2017.

Urgency Vote

*NPRR827, Disallow PTP Obligation Bid Award where Clearing Price exceeds Bid Price*

**Eric Goff moved to waive notice to consider Urgent status for NPRR827. Mr. Greer seconded the motion. The motion carried unanimously.**

Market Participants reviewed Section 21.5, Urgent and Board Priority Nodal Protocol Revision Requests and System Change Requests, and opined that due to the Day-Ahead Market (DAM) Point-to-Point (PTP) modeling issue wherein obligations are settled greater than the bid price, the requirement for Urgent status had been met.

**Mr. Greer moved to grant NPRR827 Urgent status. Mr. Helton seconded the motion. The motion carried unanimously.**

Market Participants expressed concern for the complexity of NPRR827 and the need to consider alternate solutions, and requested additional review by the Wholesale Market Subcommittee (WMS).

**Mr. Greer moved to table NPRR827 for one month and refer the issue to WMS. Bill Barnes seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR697, Disclosure of Protected Information for Research and Coordination Purposes*

*NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories*

*NPRR807, Day-Ahead Market Price Correction*

*NPRR814, Modify Black Start Procurement Cycle*

*NPRR815, Revise the Limitation of Load Resources Providing Responsive Reserve (RRS) Service*

*NPRR817, Create a Panhandle Hub*

*NPRR819, Resettlement Clean-Ups*

PRS took no action on these items.

*NPRR796, Extended Character Set Clean Up*

**Kathy Scott moved to recommend approval of NPRR796 as amended by the 12/14/16 ERCOT comments. Mr. Barnes seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR821, Elimination of the CRR Deration Process*

Some Market Participants expressed support for NPRR821 to resolve equability issues resulting from the current Congestion Revenue Rights (CRRs) deration process. Market Participants opposed to NPRR821 opined the current design is embedded in systems, preserves value for entities using CRRs to hedge congestion risk, and reduces gains from manipulative behavior. In response to Market Participants questions, Steve Reedy stated the Independent Market Monitor (IMM) supports NPRR821 and that there are sufficient tools in place to identify market manipulation. Market Participants further discussed the merits of NPRR821 and requested additional review by WMS.

**Mr. Greer moved to table NPRR821 and refer the issue to WMS. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR822, Designate Resource Node Procedure an Other Binding Document and Adjust the Process for Retiring Resource Nodes*

*Associated Revisions to the Procedure for Identifying Resource Nodes*

**Mr. Greer moved to table NPRR822 and refer the issue to WMS. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR823, Amend the Definition of an Affiliate*

Market Participants discussed NPRR823and requested additional clarification from ERCOT and the Public Utility Commission of Texas (PUCT) staff as to the correlation between the ERCOT Protocols and the ERCOT Bylaws regarding the definition of Affiliate.

**Mr. Helton moved to table NPRR823 for one month. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR824, Alignment of EEA Level 3 with NERC Reliability Standards EOP-011-1 and BAL-001-2*

Stephen Solis reviewed NPRR824. Market Participants requested ERCOT develop a communication plan associated with Energy Emergency Alert (EEA) Level 3, with and without Load shed. ERCOT Staff offered to file a System Change Request (SCR) to communicate the status of Load shed via the Market Information System (MIS) for consideration at the May 11, 2017 PRS Meeting. Market Participants further requested the SCR include instantaneous notification of the EEA Level 3 status and a telemetry point showing how many consecutive clock minute averages of frequency below 59.91 Hertz (Hz) have elapsed to increase transparency to, and monitoring by, Market Participants.

**Mr. Helton moved to recommend approval of NPRR824 as submitted. Ms. Scott seconded the motion. The motion carried unanimously.**

Notice of Withdrawal

*NPRR811, Two Day Cure Period for Foreign Market Participant Guarantee Agreements*

*NPRR816, Clarification of Definitions of FIP and FOP*

Ms. Henson noted the withdrawal of NPRR811 and NPRR816.

Other Business

*TAC Procedures Appendix A, ERCOT Meeting Rules of Order*

ERCOT Staff and Market Participants reviewed the ERCOT Meeting Rules of Order and discussed the differences from Robert’s Rules of Order. ERCOT Staff reminded Market Participants that any conflicts between the two shall be determined in favor of the ERCOT Meeting Rules of Order.

Adjournment

Ms. Henson adjourned the April 13, 2017 PRS meeting at 10:54 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2017/4/13/108228-PRS> unless otherwise noted [↑](#footnote-ref-1)