**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, April 12, 2018 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Burke, Tom | Golden Spread Electric Cooperative |  |
| Coleman, Diana | OPUC |  |
| Detelich, David | CPS Energy |  |
| Gibson, C. | Discount Power |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service |  |
| Haley, Ian | Luminant Generation | Alt. Rep. for D. Ricketts |
| Harris, Brenda | Occidental Chemical | Alt. Rep. for M. Trevino |
| Heino, Shari | Brazos Electric Power Cooperative |  |
| Henson, Martha | Oncor |  |
| Sams, Bryan | Reliant Energy Retail Services |  |
| Stanfield, Leonard | Invenergy Energy Management |  |
| Varnell, John | Tenaska Power Services |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for S. Day |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Aldridge, Ryan | | AB Power Advisors | | Via Teleconference |
| Brewster, Chris | | City of Eastland | |  |
| Bruce, Mark | | Cratylus Advisors | |  |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Bunch, Kevin | | EDF Trading | |  |
| Cochran, Seth | | DC Energy | |  |
| Daigneault, Ralph | | Potomac Economics | |  |
| Downey, Marty | | Electranet Power | | Via Teleconference |
| Flowers, BJ | | Sharyland | | Via Teleconference |
| Goff, Eric | | Citigroup Energy | |  |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Kee, David | | CPS Energy | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Lee, Jim | | AEP Service | |  |
| Morris, Sandy | | Direct Energy | | Via Teleconference |
| Paff, Tom | | Duke Energy | | Via Teleconference |
| Rehfeldt, Diana | | Texas New Mexico Power | | Via Teleconference |
| Robertson, Jennifer | | LCRA | |  |
| Rochelle, Jennifer | | CES | |  |
| Sandidge, Clint | | Calpine | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Thomas, Wayne | | Bryan Texas Utilities | |  |
| True, Roy | | Aces Power | | Via Teleconference |
| Turner, Lucas | | South Texas Electric Cooperative | |  |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Kevin |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Bethke, Ponda |  | | Via Teleconference | |
| Bivens, Carrie |  | |  | |
| Blevins, Bill |  | |  | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Butterfield, Lindsay | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Day, Betty | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hailu, Ted | |  | | Via Teleconference |
| Hanson, Kevin | |  | | Via Teleconference |
| Hobbs, Kristi | |  | |  |
| Hull, Gibson | |  | | Via Teleconference |
| Landry, Kelly | |  | |  |
| Lasher, Warren | |  | |  |
| Mereness, Matt | |  | | Via Teleconference |
| Morehead, Juliana | |  | | Via Teleconference |
| Moreno, Alfredo | |  | | Via Teleconference |
| Ögelman, Kenan | |  | |  |
| Phillips, Cory | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Rosel, Austin | |  | |  |
| Ruane, Mark | |  | |  |
| Shaw, Pam | |  | |  |
| Smith, Nathan | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Taurozzi, Tina | |  | |  |
| Thompson, Chad | |  | | Via Teleconference |
| Townsend, Aaron | |  | | Via Teleconference |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the April 12, 2018 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 8, 2018*

**Bryan Sams moved to approve the March 8, 2018 meeting minutes as submitted. Diana Coleman seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted the disposition of Revision Requests considered at the March 22, 2018 TAC and April 10, 2018 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 and reviewed the 2018 release targets and project spending. Mr. Anderson stated that Nodal Protocol Revision Request (NPRR) 776, Voltage Set Point Communication, and Nodal Operating Guide Revision Request (NOGRR) 167, Alignment with NPRR776, Voltage Set Point Communication, were moved to an anticipated June delivery and that functionality was currently being tested by ERCOT and Market Participants. In response to Market Participant questions on System Change Request (SCR) 789, Update NMMS Topology Processor to PSSE 34 Capability, Mr. Anderson stated that part of the delay was due to ongoing vendor negotiations on licensing issues. It was encouraged that the implementation plan be discussed with the Steady State Working Group (SSWG). Market Participants and ERCOT Staff discussed the timeline for implementing NPRR825, Require ERCOT to Issue a DC Tie Curtailment Notice Prior to Curtailing any DC Tie Load, and consideration of a phased delivery approach. Mr. Anderson stated that an update on these items would be provided at the May PRS meeting.

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

*NPRR837, Regional Planning Group (RPG) Process Reform*

Market Participants offered clarifications for consistency in NPRR837, discussed the Impact Analysis, and noted that the implementation of NPRR837 is projected to reduce demands on ERCOT Staff in transmission planning.

**Bob Wittmeyer moved to endorse and forward to TAC the 3/8/18 PRS Report, as revised by PRS, and the Impact Analysis for NPRR837. John Varnell seconded the motion. The motion carried unanimously.**

*NPRR847, Exceptional Fuel Cost Included in the Mitigated Offer Cap*

Market Participants and ERCOT Staff discussed the Impact Analysis and appropriate priority and rank for NPRR847.

**Mr. Sams moved to endorse and forward to TAC the 3/8/18 PRS Report and the Impact Analysis for NPRR847 with a recommended priority of 2018 and rank of 2210. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

*NPRR857, Creation of Direct Current Tie Operator Market Participant Role*

Market Participants and ERCOT Staff discussed the Impact Analysis and appropriate priority and rank for NPRR857. Market Participants further reviewed the Business Case and offered clarifications to document that the costs associated with implementation of NPRR857 will be borne by Southern Cross Transmission per the Public Utility Commission of Texas (PUCT) directive, and that the project will be initiated subsequent to Southern Cross Transmission providing ERCOT a notice to proceed.

**Clayton Greer moved to endorse and forward to TAC the 3/8/18 PRS Report, as revised by PRS, and the Impact Analysis for NPRR857 with a recommended priority of 2019 and rank of 2530. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR807, Day-Ahead Market Price Correction*

*NPRR823, Amend the Definition of an Affiliate*

*NPRR826, Mitigated Offer Caps for RMR Resources*

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

*NPRR845, RMR Process and Agreement Revisions*

*NPRR848, Separate Clearing Prices for RRS*

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

*NPRR850, Market Suspension and Restart*

*NPRR856, Treatment of OFFQS Status in Day-Ahead Make Whole and RUC Settlements*

*NPRR862, Updates to Address Revisions under PUCT Project 46369*

*NPRR863, Creation of Primary Frequency Response Service Product and Revisions to Responsive Reserve*

*NPRR866, Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model*

PRS took no action on these items.

*NPRR851, Procedure for Managing Disconnections for Bidirectional Electrical Connections at Transmission Level Voltages*

Market Participants discussed the merits of NPRR851, reviewed the 4/11/18 AEPSC comments, and offered additional clarifications.

**Tom Burke moved to recommend approval of NPRR851 as amended by the 4/11/18 AEPSC comments and as revised by PRS. Blake Gross seconded the motion. The motion carried unanimously.**

*NPRR853, Availability of ERCOT Estimated Interval Meter Data*

Market Participants discussed the merits of NPRR853 and reviewed the 4/4/18 RMS comments.

**Mr. Sams moved to reject NPRR853. Mr. Greer seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR867, Revisions to CRR Auction Credit Lock Amount to Reduce Excess Collateral*

Market Participants discussed the merits of NPRR867 and the 4/5/18 Wholesale Market Subcommittee (WMS) comments.

**Mr. Greer moved to recommend approval of NPRR867 as submitted. Mr. Sams seconded the motion. The motion carried unanimously.**

*NPRR869, Clarification of Language Related to Generation Netting for ERCOT-Polled Settlement Meters*

Market Participants requested additional time to review potential clarifications to NPRR869.

**Mr. Sams moved to table NPRR869. Mr. Burke seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

*NPRR870, Eliminate Requirement for Forward Adjustment Factors Report in the MIS Certified Area*

Market Participants discussed the merits of NPRR870 and made clarifications to remove the grey-box in its entirety for NPRR800, Revisions to Credit Exposure Calculations to Use Electricity Futures Market Prices, from Section 16.11.4.7, Credit Monitoring and Management Reports.

**Mr. Greer moved to recommend approval of NPRR870 as revised by PRS. Mr. Burke seconded the motion. The motion carried unanimously.**

*SCR796, Change Validation Rules to Preclude Certain Transactions at Resource Nodes within Private Use Networks*

**Mr. Greer moved to table SCR796 and refer the issue to WMS. Mr. Sams seconded the motion. The motion carried unanimously.**

Notice of Withdrawal

*NPRR832, Disallow PTP Obligation Bids and DAM Energy Bids that Sink at Private Use Network Settlement Points Without a Load Distribution Factor*

Ms. Henson noted the withdrawal of NPRR832.

Resource Definition Task Force (RTF)

Bill Blevins reviewed the history of Resource definition issues and summarized recent RTF activities, including identifying and aligning simple definition items from those that had additional requirements. Mr. Blevins presented the proposed All-Inclusive Generation Resource framework, revised terminology and concepts for consideration in future NPRRs. Mr. Blevins encouraged Market Participant input on the framework and stated that ERCOT is developing the whitepaper and draft Revision Request language and will bring these items forward at a future PRS meeting. Market Participants requested future RTF meetings follow the monthly PRS meeting to maximize meeting efficiency and increase participation. Ms. Henson encouraged Market Participants to attend the April 24, 2018 RTF meeting.

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the April 12, 2018 PRS meeting at 11:40 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/4/12/138488-PRS> unless otherwise noted [↑](#footnote-ref-1)