**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, August 16, 2018 – 9:30 a.m.**

Attendance

*Members:*

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

|  |  |  |
| --- | --- | --- |
| *Guests:* |  |  |
| Abbott, Kristin | PUCT | Via Teleconference |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Ashley, Kristy | Customized Energy Solution | Via Teleconference |
| Bertin, Suzane | Texas Advanced Energy | Via Teleconference |
| Blakely, Eric | Just Energy |  |
| Boisseau, Heather | LCRA | Via Teleconference |
| Bruce, Mark | Cratylus Advisors |  |
| Bryant, Mark | PUCT | Via Teleconference |
| Coleman, Katie | TIEC |   |
| Cook, Tim | Cross Texas Transmission |  |
| Cortez, Sarai | Sharyland Utilities |  |
| Downey, Marty | Electranet Power |  |
| Eckhoff, Christina | Texas Reliability Entity | Via Teleconference |
| Goff, Eric | Citigroup Energy |  |
| Harris, Brenda | Oxy | Via Teleconference |
| Johnson, Anthony | CenterPoint Energy |  |
| Juricek, Michael | Oncor | Via Teleconference |
| Kee, David | CPS Energy |   |
| Lange, Clif | South Texas Electric Cooperative | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Paff, Tom | Duke Energy | Via Teleconference |
| Peters, Patrick | CenterPoint Energy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reed, Carolyn | CenterPoint Energy | Via Teleconference |
| Reed, Cyrus | Sierra Club |  |
| Reedy, Steve  | Potomac Economics |  |
| Rehfeldt, Diana | Texas New Mexico Power | Via Teleconference |
| Robinson, Rhonda | Calpine | Via Teleconference |
| Robertson, Jennifer | LCRA |  |
| Scott, Kathy | CenterPoint Energy |  |
| Siddiqi, Shams | Crescent Power |  |
| Smith, Caitlin | Jewell and Associates | Via Teleconference |
| Stanfield, Leonard | Invenergy |  |
| Teng, Shuye | Austin Energy | Via Teleconference |
| True, Roy | Aces Power | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative | Via Teleconference |
| Van Arkel, Matt | Wind Energy Transmission Texas |  |
| White, Lauri | AEP Service Corporation |  |
| Whittle, Brandon | Calpine |  |
| Whitworth, Doug | Texas Reliability Entity | Via Teleconference |
| Wittmeyer, Bob | Denton Municipal Electric |  |
| Younger, Joseph | Texas Reliability Entity | Via Teleconference |
| Zake, Diane | Lone Star Transmission |  |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |   |
| Bernecker, John |  | Via Teleconference |
| Bivens, Carrie |  | Via Teleconference |
| Boren, Ann |  |  |
| Bracy, Phil  |   |   |
| Butterfield, Lindsay |  | Via Teleconference |
| Castillo, Leo |  | Via Teleconference |
| Chang, Sean |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Covington, Austin |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  | Via Teleconference |
| Levine, Jon |  | Via Teleconference |
| Maggio, Dave |  |   |
| Mago, Nitika |  | Via Teleconference |
| Matevosjana, Julia |  | Via Teleconference |
| Moreno, Alfredo |  | Via Teleconference |
| Ögelman, Kenan |  |  |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Ruane, Mark |  |  |
| Solis, Stephen |  | Via Teleconference |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Townsend, Aaron |  | Via Teleconference |
| Tucker, Don |  |   |
| Zeplin, Rachel |  |   |

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

Martha Henson called the August 16, 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)

*July 19, 2018*

**Diana Coleman moved to approve the July 19, 2018 meeting minutes as submitted. Blake Gross 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 July 26, 2018 TAC and August 7, 2018 ERCOT Board meetings.

Project Update and Summary of Project Priority List (PPL) Activity to Date (see Key Documents)

Kristi Hobbs provided a project update and summary of PPL activity and reviewed the 2018 release targets and project spending. Ms. Hobbs reviewed the phased delivery approach for Nodal Protocol Revision Request (NPRR) 833, Modify PTP Obligation Bid Clearing Change. In response to Market Participant questions on the implementation timeline for NPRR825, Require ERCOT to Declare an Emergency Condition Prior to Curtailing any DC Tie Load, Ms. Hobbs offered to provide an update at the September 13, 2018 PRS meeting.

Urgency Vote(s)

*NPRR890, Correction to Calculation of Real-Time LMPs at Logical Resource Node for On-Line Combined Cycle Generation Resources*

**Tom Burke moved to waive notice in order to consider urgency for NPRR890. Clayton Greer seconded the motion. The motion carried unanimously.**

Dave Maggio stated that Urgent status was requested for NPRR890 so that that ERCOT could resolve two discrepancies between the Protocols and ERCOT systems that impacted prices in the Real-Time Market (RTM) until a long term solution could be vetted through the Stakeholder process.

**Mr. Burke moved to grant NPRR890 Urgent status. Mr. Greer seconded the motion. The motion carried unanimously.**

Mr. Maggio summarized details of the August 6, 2018 Market Notice, reviewed the history of the methodology used in calculating the Real-Time Settlement Point Price for a Resource Node, and noted the associated Other Binding Document Revision Request (OBDRR) 008, Correction to Calculation of Real-Time LMPs at Logical Resource Node for On-Line Combined Cycle Generation Resources, would be considered at the September 27, 2018 TAC meeting. ERCOT Staff and Market Participants discussed the merits of NPRR890 and reviewed the Impact Analysis.

**Mr. Greer moved to recommend approval of NPRR890 as submitted and to forward NPRR890 and the Impact Analysis to TAC. Ian Haley seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR823, Amend the Definition of an Affiliate*

*NPRR826, Mitigated Offer Caps for RMR Resources*

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

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

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

*NPRR871, Customer or Resource Entity Funded Transmission Projects Review Process*

*NPRR872, Modifying the SASM Shadow Price Cap*

*NPRR879, SCED Base Point and Performance Evaluation Changes for IRRs that Carry Ancillary Services*

*NPRR881, Annual Validation Process Revisions*

*NPRR882, Related to PGRR067, Re-powering Procedures*

*NPRR884, Adjustments to Pricing and Settlement for Reliability Unit Commitments (RUCs) of On-Line Combined Cycle Generation Resources*

*NPRR885, Must-Run Alternative (MRA) Details and Revisions Resulting from PUCT Project No. 46369, Rulemaking Relating to Reliability Must-Run Service*

PRS took no action on these items.

*NPRR850, Market Suspension and Restart*

**Eric Goff moved to recommend approval of NPRR850 as amended by the 5/17/18 ERCOT comments. Bryan Sams seconded the motion. The motion carried unanimously.**

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

Market Participants and ERCOT Staff discussed the merits of NPRR869 and the 8/7/18 ERCOT comments.

**Mr. Sams moved to recommend approval of NPRR869 as amended by the 8/7/18 ERCOT comments. Mr. Gross seconded the motion. The motion carried with one opposing vote from the Consumer (OPUC) Market Segment.**

*NPRR880, Publish Real-Time Market Shift Factors for Private Use Network Settlement Points*

**Mr. Greer moved to recommend approval of NPRR880 as submitted. Mr. Sams seconded the motion. The motion carried with one abstention from the Consumer (Occidental Chemical) Market Segment.**

*NPRR883, Adjustment to Settlement Equation for Ancillary Services Assignment*

**Mr. Greer moved to recommend approval of NPRR883 as submitted. John Varnell seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR886, Agreements Between ERCOT and Other ISOs, RCs, and/or RTOs*

Market Participants and ERCOT Staff discussed the merits of NPRR886 and the 8/14/18 ERCOT comments recommending that NPRR886 be rejected; and debated the issue of transparency in agreements between ERCOT and other Entities to address reliability issues in an emergency event. Market Participants requested additional time to pursue a compromise with ERCOT.

**Mr. Goff moved to table NPRR886. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR887, Monthly Posting of Default Uplift Exposure Information*

Mr. Goff reviewed NPRR887 and stated that the monthly posting of the calculations that ERCOT uses to determine the allocation ratio for uplift costs will enable Market Participants to better understand the potential risks. ERCOT Staff offered to provide clarifications to relocate this new reporting request from Section 16, Registration and Qualification of Market Participants, to Section 9, Settlement and Billing, where it may be incorporated into an existing report

**Mr. Goff moved to table NPRR887 for one month. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR888, 4-Coincident Peak Adjustment Methodology*

Mark Ruane provided an overview of NPRR888 and stated that the methodology was endorsed by the Wholesale Market Subcommittee (WMS) at its May 2, 2018 meeting.

**Mr. Greer moved to recommend approval of NPRR888 as submitted. Mr. Sams seconded the motion. The motion carried unanimously.**

*NPRR889, RTF-1 Replace Non-Modeled Generator with Settlement Only Generator*

Bob Wittmeyer reviewed NPRR889 and summarized an issue raised by Market Participants at the August 15, 2018 Market Settlements Working Group (MSWG) meeting regarding equation variables in Section 6.6.3.2, Real-Time Energy Imbalance Payment or Charge at a Load Zone. Mr. Goff suggested that clarifications to the Settlement formulas be deferred to a future NPRR.

**Mr. Greer moved to recommend approval of NPRR889 as submitted. Smith Day seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Mr. Wittmeyer reviewed recent RTF activities. Ms. Henson encouraged Market Participants to attend the RTF meeting following the conclusion of the PRS meeting.

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson noted the annual TAC/TAC Subcommittee Structural and Procedural Review meeting on September 13, 2018 and encouraged Market Participants to consider meeting efficiencies for PRS and RTF.

*2019 Meeting Schedule*

Ms. Henson stated the ERCOT Board of Directors approved their 2019 meeting schedule and raised concerns regarding TAC meetings conflicting with the Public Utility Commission of Texas (PUCT) Open Meetings; and stated that alternatives for 2019 were being considered.

Adjournment

Ms. Henson adjourned the August 16, 2018 PRS meeting at 10:31 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/8/16/138504-PRS> unless otherwise noted [↑](#footnote-ref-1)