**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, January 17, 2019 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Coleman, Diana | OPUC |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Power Cooperative |  |
| Henson, Martha | Oncor |  |
| Paff, Tom | Duke Energy |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for Smith Day |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Alford, Anthony | | CenterPoint Energy | | Via Teleconference |
| Boisseau, Heather | | LCRA | | Via Teleconference |
| Bunch, Kevin | | EDF Trading | | Via Teleconference |
| Checkly, Jim | | Cross Texas Transmission | |  |
| Cook, Tim | | Cross Texas Transmission | | Via Teleconference |
| Cortez, Sarai | | Sharyland | |  |
| Downey, Marty | | Electranet Power | |  |
| Harris, Brenda | | Oxy | | Via Teleconference |
| Helton, Bob | | ENGIE Resources | |  |
| Henderson, Natasha | | Golden Spread Electric Cooperative | |  |
| Huber, Grant | | Cypress Creek Renewables | | Via Teleconference |
| Hurst, Jay | | Schneider Engineering | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | |  |
| Lee, Jim | | AEP Service Corporation | |  |
| Mercado, David | | CenterPoint Energy | | Via Teleconference |
| Morley, Kevin | | CenterPoint Energy | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Ottaway, Cindy | | Cross Texas Transmission | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rainwater, Kim | | Environmental Defense Fund | |  |
| Reed, Carolyn | | CenterPoint Energy | | Via Teleconference |
| Reedy, Steve | | Potomac Economics | | Via Teleconference |
| Rehfeldt, Diana | | Texas New Mexico Power | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | |  |
| Ritch, Katie | | Golden Spread Electric Cooperative | |  |
| Robertson, Jennifer | | LCRA | |  |
| Sams, Bryan | | Lone Star Transmission | |  |
| Scott, Kathy | | CenterPoint Energy | | Via Teleconference |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | |  |
| Stanfield, Leonard | | Invenergy | |  |
| Teng, Shuye | | Austin Energy | | Via Teleconference |
| Tran, Diane | Texas Industrial Energy Consumers | |  | |
| True, Roy | ACES Power | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Billo, Jeff |  | | Via Teleconference | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Fohn, Doug | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| Hull, Gibson | |  | | Via Teleconference |
| Jin, Julie | |  | | Via Teleconference |
| Jones, Dan | |  | |  |
| Kane, Erika | |  | |  |
| Levine, Jon | |  | | Via Teleconference |
| Liu, Cong | |  | | Via Teleconference |
| Maggio, Dave | |  | |  |
| Michelsen, Dave | |  | | Via Teleconference |
| Morehead, Juliana | |  | | Via Teleconference |
| Moreno, Alfredo | |  | | Via Teleconference |
| Ögelman, Kenan | |  | |  |
| Phillips, Cory | |  | |  |
| Ragsdale, Ken | |  | |  |
| Rosel, Austin | |  | |  |
| Ruane, Mark | |  | |  |
| Shaw, Pam | |  | |  |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Taurozzi, Tina | |  | |  |
| Teixeira, Jay | |  | | Via Teleconference |
| Townsend, Aaron | |  | | Via Teleconference |
| Warnken, Pete | |  | | Via Teleconference |
| Wattles, Paul | |  | |  |
| Young, Matt | |  | |  |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Suzy Clifton called the January 17, 2019 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

Ms. Clifton directed attention to the Antitrust Admonition, which was displayed.

Election to 2019 PRS Chair and Vice Chair

Ms. Clifton reviewed the leadership election process codified in the Electric Reliability Council of Texas Technical Advisory Committee Procedures and opened the floor for nominations.

**Blake Gross nominated Martha Henson for 2019 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2019 PRS Chair by acclamation.**

**Diana Coleman nominated Melissa Trevino for 2019 PRS Vice Chair.** Ms. Trevino accepted the nomination. **Ms. Trevino was named 2019 PRS Vice Chair by acclamation.**

Approval of Minutes (see Key Documents)[[1]](#footnote-1)

*December 13, 2018*

**Mr. Gross moved to approve the December 13, 2018 meeting minutes as submitted. Bob Helton seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted that TAC and the ERCOT Board had not met since the December 13, 2018 PRS 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 2018 and 2019 release targets and 2018 project spending.

Urgency Vote(s)

*Nodal Protocol Revision Request (NPRR) 915, Define Limited Duration Resource and Clarify Telemetered Resource Status Requirements*

Ian Haley stated that Urgent status was requested for NPRR915 so that Luminant could meet ERCOT requirements prior to the go-live date for Luminant’s new 9.9 Megawatt (MW) Limited Duration Resource (LDR). Some Market Participants opposed Urgent status and stated that energy storage Resource issues needed further vetting and should not proceed on an urgent timeline.

**Mr. Haley moved to grant NPRR915 Urgent status. Mr. Helton seconded the motion. The motion carried with two objections from the Independent Power Marketer (IPM) (Morgan Stanley) and Municipal (DME) Market Segments.**

Market Participants discussed the merits of NPRR915, the 1/14/19 Luminant comments, existing Security-Constrained Economic Dispatch (SCED) treatment of Resources telemetering an OFF Resource Status, potential conflicts between proposed language for LDRs and hydro Generation Resources. Market Participants and ERCOT Staff discussed the need for long-term solutions for energy storage Resources. Market Participants proposed additional clarifications to limit the application of the term LDR only to Resources less than 10 MW with the need to recharge.

**Bob Wittmeyer moved to recommend approval of NPRR915 as amended by the 1/14/19 Luminant comments as revised by PRS, and to forward to TAC. John Varnell seconded the motion. The motion carried with one opposing vote from the Independent Generator (Duke Energy) Market Segment and one abstention from the IPM (Morgan Stanley) Market Segment.**

Review PRS Reports, Impact Analyses, and Prioritization

*NPRR910, Clarify Treatment of RUC Resource that has a Day-Ahead Market Three-Part Supply Award*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR910.

**Clayton Greer moved to endorse and forward to TAC the 12/13/18 PRS Report and Impact Analysis for NPRR910 with a recommended priority of 2019 and rank of 2506. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR911, Improved Calculation of Real-Time LMPs at Logical Resource Nodes for On-Line Combined Cycle Generation Resources*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR911.

**Mr. Helton moved to endorse and forward to TAC the 12/13/18 PRS Report and Impact Analysis for NPRR911 with a recommended priority of 2019 and rank of 2660. Mr. Greer 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*

*NPRR872, Modifying the SASM Shadow Price Cap*

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

*NPRR891, Removal of NOIE Capacity Reporting Threshold for the Unregistered Distributed Generation Report*

*NPRR896, Reliability Must-Run and Must-Run Alternative Evaluation Process*

*NPRR900, Protocol Section 14 Language Review*

*NPRR903, Day-Ahead Market Timing Deviations*

*NPRR904, Revisions to Real-Time On-Line Reliability Deployment Price Adder for ERCOT-Directed Actions Related to DC Ties*

*NPRR908, Revisions to Mass Transition Processes*

*NPRR912, Settlement of Switchable Generation Resources (SWGRs) Instructed to Switch to ERCOT*

PRS took no action on these items.

*NPRR909, Address Unavailability Gap for ERS and Other Minor Clarifications*

**Sandy Morris moved to recommend approval of NPRR909 as submitted. Ms. Coleman seconded the motion. The motion carried with one opposing vote from the IPM (Morgan Stanley) Market Segment.**

*System Change Request (SCR) 798, PTP Obligation Bid ID Limit*

**Mr. Greer moved to recommend approval of SCR798 as submitted. Ms. Morris seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR913, Generator Interconnection Neutral Project Classification*

Market Participants and ERCOT Staff discussed the history and merits of NPRR913 and the utility of review by the Reliability and Operations Subcommittee (ROS). Jeff Billo reminded Market Participants that the Planning Working Group (PLWG) has already reviewed the technical merits in NPRR913 and that the remaining policy decision is not suited for ROS discussion. Market Participants requested additional review of the impacts and potential costs to Transmission Service Providers (TSPs).

**Bill Barnes moved to table NPRR913 and refer the issue to the ROS. Mr. Gross seconded the motion. The motion carried unanimously.**

*NPRR914, Addition of Controllable Load Resources to 60-Day Reports*

Dave Maggio reviewed the merits of NPRR914.

**Mr. Greer moved to recommend approval of NPRR914 as submitted. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR916, Mitigated Offer Floor Revisions*

Dan Jones summarized the merits of NPRR916.

**Mr. Greer moved to recommend approval of NPRR916 as submitted. Mr. Helton seconded the motion. The motion carried with one abstention from the Independent Generator (Luminant) Market Segment.**

*NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs)*

Paul Wattles reviewed the history and merits of NPRR917.

**Mr. Helton moved to table NPRR917 and refer the issue to ROS and Wholesale Market Subcommittee (WMS). Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Mr. Wittmeyer reviewed recent RTF activities and asked for PRS direction on the issues of energy storage. Market Participant noted the anticipated energy storage discussion set for the January 30, 2019 TAC meeting and requested RTF review the energy storage definitions. Mr. Wittmeyer announced that the January 17, 2019 RTF meeting is cancelled.

Other Business

*2019 PRS Goals*

Ms. Henson encouraged Market Participants to review the 2018 PRS Goals and provide input for developing 2019 PRS Goals at the February 14, 2019 PRS Meeting.

Adjournment

Ms. Henson adjourned the January 17, 2019 PRS meeting at 12:18 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2019/1/17/164957-PRS> unless otherwise noted [↑](#footnote-ref-1)