**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, July 19, 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 |
| Blakely, Eric | Just Energy | Via Teleconference |
| Boisseau, Heather | LCRA | Via Teleconference |
| Bunch, Kevin | EDF Trading | Via Teleconference |
| Checkley, Jim  | Cross Texas Transmission |  |
| Coleman, Katie | TIEC |   |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Daigneault, Ralph | Potomac Economics |  |
| Downey, Marty | Electranet Power |  |
| Eckhoff, Christina | Texas Reliability Entity | Via Teleconference |
| Goff, Eric | Citigroup Energy |  |
| Helton, Bob | ENGIE Resources |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Juricek, Michael | Oncor | Via Teleconference |
| Kakarla, Raja Sekhar | CenterPoint Energy | Via Teleconference |
| Kee, David | CPS Energy | Via Teleconference |
| Langley, Jay | Talen Energy | Via Teleconference |
| Lee, Jim | AEP Service Corporation |  |
| McKeever, Debbie | Oncor | Via Teleconference |
| McClellan, Suzi | Good Company Associates |  |
| Paff, Tom | Duke Energy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reed, Carolyn | CenterPoint Energy | Via Teleconference |
| Reed, Cyrus | Sierra Club |  |
| Rehfeldt, Diana | Texas New Mexico Power | Via Teleconference |
| Reid, Walter | Wind Coalition | Via Teleconference |
| Robertson, Jennifer | LCRA |  |
| Scott, Kathy | CenterPoint Energy |  |
| Siddiqi, Shams | Crescent Power |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Mark | Nucor |  |
| Surendran, Resmi | Shell Energy | Via Teleconference |
| Trenary, Michelle | Tenaska Power Services | Via Teleconference |
| Thompson, David | Pedernales Electric Cooperative |  |
| True, Roy | Aces Power | Via Teleconference |
| Velasquez, Ivan | Oncor |  |
| Watson, Mark | S & P Global | Via Teleconference |
| Williams, Lori | Bryan Texas Utilities | Via Teleconference |
| 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 |  |
| Zerwas, Rebecca | NRG |  |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |   |
| Anderson, Troy |  |  |
| Bernecker, John |  | Via Teleconference |
| Bivens, Carrie |  | Via Teleconference |
| Boren, Ann |  |  |
| Bracy, Phil  |   |   |
| Butterfield, Lindsay |  | Via Teleconference |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Covington, Austin |  | Via Teleconference |
| Day, Betty |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  | Via Teleconference |
| Hughes, Lindsey |  | Via Teleconference |
| Lasher, Warren |  |  |
| Levine, Jon |  | Via Teleconference |
| Maggio, Dave |  |   |
| Mago, Nitika |  | Via Teleconference |
| Morehead, Juliana |  | Via Teleconference |
| Ögelman, Kenan |  |  |
| Phillips, Cory |  |  |
| Raish, Carl |  | Via Teleconference |
| Rickerson, Woody |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  |  |
| 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 July 19, 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)

*June 14, 2018*

**Diana Coleman moved to approve the June 14, 2018 meeting minutes as submitted. Bryan Sams seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reminded Market Participants that TAC did not meet in June 2018.

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 requested Market Participants consideration on a phased delivery approach for Nodal Protocol Revision Request (NPRR) 833, Modify PTP Obligation Bid Clearing Change, due to a delayed Congestion Revenue Right (CRR) upgrade and an accelerated start date of August 2018 for NPRR858, Provide Complete Current Operating Plan (COP) Data, planned for October 2018. There were no objections. In response to Market Participant questions, Mr. Anderson stated that NPRR825, Require ERCOT to Declare an Emergency Condition Prior to Curtailing any DC Tie Load, has been delayed due to operational constraints. Mr. Anderson offered to bring the revised implementation timeline for NPRR833 and an update on NPRR825 to the August 16, 2018 PRS meeting. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects.

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

*NPRR845, RMR Process and Agreement Revisions*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR845.

**Mr. Sams moved to endorse and forward to TAC the 6/14/18 PRS Report and the Impact Analysis for NPRR845 with a recommended priority of 2018 and rank of 2280. Clayton Greer seconded the motion. The motion carried unanimously.**

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

**Mr. Greer moved to endorse and forward to TAC the 6/14/18 PRS Report and Impact Analysis for NPRR862. Blake Gross seconded the motion. The motion carried motion carried unanimously.**

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

*Planning Guide Revision Request (PGRR) 061, Related to NPRR866, Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model*

*Resource Registration Guide Revision Request (RRGRR017), Related to NPRR866, Mapping Registered Distributed Generation and Load Resources to Transmission Loads in the Network Operations Model*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR845, PGRR061 and RRGRR017.

**Mr. Greer moved to endorse and forward to TAC the 6/14/18 PRS Report and the Impact Analysis for NPRR866 with a recommended priority of 2018 and rank of 2270, and the Reliability and Operations Subcommittee (ROS) recommended priority of 2018 and rank 2270 for PGRR061 and RRGRR017. Bob Helton seconded the motion. The motion carried unanimously.**

*NPRR874, Change to Report for Net Allocation to Load Settlement Stability*

**John Varnell moved to endorse and forward to TAC the 6/14/18 PRS Report and Impact Analysis for NPRR874. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR875, Clarification for the Implementation of NPRR864, RUC Modifications to Consider Market-Based Solutions*

**Mr. Greer moved to endorse and forward to TAC the 6/14/18 PRS Report and Impact Analysis for NPRR875. Ian Haley seconded the motion. The motion carried unanimously.**

*NPRR877, Use of Actual Interval Data for IDR ESI IDs for Initial Settlement*

Market Participants discussed the Impact Analysis, implementation timeline for the manual solution in Phase 1 and automated solution in Phase 2, and appropriate priority and rank for NPRR877.

**Mr. Greer moved to endorse and forward to TAC the 6/14/18 PRS Report and the Impact Analysis for NPRR877 with a recommended priority of 2018 and rank of 2290 for Phase 1 and a recommended priority of 2019 and rank of 2540 for Phase 2. Mr. Haley seconded the motion. The motion carried unanimously.**

*NPRR878, ERS Obligation Report for TDSPs*

**Tom Burke moved to endorse and forward to TAC the 6/14/18 PRS Report and Impact Analysis for NPRR878. Mr. Gross seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

*Verifiable Cost Manual Revision Request (VCMRR) 022, Determination of Fuel Adder Price for Coal and Lignite Resources*

Market Participants discussed the Impact Analysis and appropriate priority and rank for VCMRR022.

**Mr. Greer moved to endorse the Wholesale Market Subcommittee (WMS) recommended priority of 2018 and rank of 2260 for VCMRR022. Mr. Varnell 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*

*NPRR850, Market Suspension and Restart*

*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*

PRS took no action on these items.

*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 7/3/18 ERCOT comments.

Mr. Sams summarized the discussion at the July 11, 2018 WMS meeting and stated that the netting exemption for all types of Qualifying Facilities (QFs) allows them to be more responsive to customer needs. Katie Coleman reviewed the history of the netting exemption and the interpretation of associated Load and stated Industrial Customers are concerned for projects that are now on hold awaiting NPRR869 to proceed through the stakeholder process. Kenan Ögelman stated ERCOT was not opposed to NPRR869 but wanted to provide transparency on the changes to the current process. Market Participants requested additional time to review NPRR869. Ms. K. Coleman offered to provide additional clarifications. Market Participants and ERCOT Staff reviewed the Revision Request timeline. Ms. Henson stated NPRR869 would be considered at the August 16, 2018 PRS meeting.

Review of Revision Request Language (see Key Documents)

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

**Mr. Greer moved to table NPRR880 and refer the issue to WMS. Melissa Trevino seconded the motion. The motion carried unanimously.**

*NPRR881, Annual Validation Process Revisions*

Kathy Scott provided an overview of NPRR881 stating it would streamline some of the excessive transactional changes that occur on an annual basis related to Load Profile assignments. Ms. Scott reviewed the 7/12/18 RMS comments and summarized the discussion at the July 10, 2018 Retail Market Subcommittee (RMS) meeting, including the request by Market Participants for a review of the annual validation process.

**Mr. Burke moved to table NPRR881 and refer the issue to RMS. Mr. Goff seconded the motion. The motion carried unanimously.**

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

John Bernecker reviewed the definition clarifications and fee schedule for NPRR882. Ms. Henson noted the 7/13/18 ROS comments.

**Mr. Sams moved to table NPRR882 and refer the issue to ROS. Mr. Burke seconded the motion. The motion carried unanimously.**

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

Austin Rosel reviewed NPRR883 and the Ancillary Service Assignment Settlement scenario that results

in double payment. Market Participants requested additional review of the market impacts relating to the Settlement calculations in NPRR883.

**Mr. Greer moved to table NPRR883 and refer the issue to WMS. Mr. Haley seconded the motion. The motion carried unanimously.**

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

**Mr. Sams moved to table NPRR884 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

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

Ino Gonzalez reviewed NPRR885, summarized the issues addressed in NPRR862, Updates to Address Revisions under PUCT Project 46369, and stated that other MRA related issues, including the evaluation of offers and price formation impacts, will be addressed in future Revision Requests. Some Market Participants expressed a concern for the significant cost impact of NPRR885 and expressed a desire to consider it along with subsequent MRA NPRRs. Other Market Participants supported vetting of NPRR885 on its own merits as one of a series of Revision Requests to implement the Public Utility Commission of Texas (PUCT) changes. ERCOT Staff reminded Market Participants that the MRA Service currently exists and that the intent is to have definitions and rules around it and provide transparency on the settlement equations. Market Participants requested additional review by WMS.

**Mr. Goff moved to table NPRR885 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Bob Wittmeyer reviewed recent RTF activities including the draft Revision Request to replace the definition Non-Modeled Generator. Ms. Henson encouraged Market Participants to attend the RTF meeting following the conclusion of the PRS meeting.

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the July 19, 2018 PRS meeting at 11:31 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/7/19/138500-PRS> unless otherwise noted [↑](#footnote-ref-1)