**DRAFT Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, November 15, 2018 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Day, Smith | Denton Municipal Electric |  |
| Detelich, David | CPS Energy |  |
| 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 |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |

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| *Guests:* |  |  |
| Abbott, Kristin | PUCT | Via Teleconference |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Blakey, Eric | Just Energy |  |
| Boisseau, Heather | LCRA | Via Teleconference |
| Bryant, Mark | PUCT | Via Teleconference |
| Bunch, Kevin | EDF Trading | Via Teleconference |
| Checkly, Jim | Cross Texas Transmission |  |
| Cochran, Seth | DC Energy  |  |
| Cook, Tim | Cross Texas Transmission | Via Teleconference |
| Cortez, Sarai | Sharyland |  |
| Cripe, Ramsey | Schneider Engineering | Via Teleconference |
| Downey, Marty | Electranet Power |  |
| Helton, Bob  | ENGIE Resources |  |
| Henderson, Natasha | Golden Spread Electric Cooperative |  |
| Hourihan, Mike | CPower Energy | Via Teleconference |
| Jonas, Todd | Tenaska Power Services |  |
| Jones, Randy | Mountaineer Market Advisors | Via Teleconference |
| Johnson, Anthony | CenterPoint Energy |   |
| Lange, Clif | South Texas Electric Cooperative |   |
| Lee, Jim | AEPSC |  |
| Kee, David | CPS Energy | Via Teleconference |
| McCamant, Frank | McCamant Consulting | Via Teleconference |
| McKeever, Debbie | Oncor |  |
| Morris, Sandy | Direct Energy |  |
| Ottaway, Cindy | Cross Texas Transmission | Via Teleconference |
| Paff, Tom | Duke Energy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reed, Carolyn | CenterPoint Energy |  |
| Reedy, Steve | Potomac Economics |  |
| Rehfeldt, Diana | Texas New Mexico Power | Via Teleconference |
| Ritch, John | NextEra Energy | Via Teleconference |
| Robertson, Jennifer | LCRA |  |
| Rochelle, Jennifer | Customized Energy Solutions | Via Teleconference |
| Roth, Werner | PUCT | Via Teleconference |
| Scott, Kathy | CenterPoint Energy |  |
| Siddiqi, Shams | Crescent Power |  |
| Sithuraj, Murali  | Austin Energy |  |
| Smith, Caitlin | Invenergy  |   |
| Totten, Jess | Osprey Energy |  |
| True, Roy | Aces Power | Via Teleconference |
| Vickery, Chris | GlidePath Power | Via Teleconference |
| Watson, Mark | SPGlobal | Via Teleconference |
| Wheat, Mary | Calpine |  |
| Whittle, Brandon | Calpine |  |
| Whitworth, Doug | Texas Reliability Entity | Via Teleconference |
| Wittmeyer, Bob | Denton Municipal Electric |  |
| Younger, Joseph | Texas Reliability Entity  | Via Teleconference |
| Zake, Diana | PUCT | Via Teleconference |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |   |
| Anderson, Connor |  | Via Teleconference |
| Anderson, Troy |  |  |
| Ayson, Janice |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Blevins, Bill  |  |  |
| Boren, Ann |  |  |
| Boswell, Bob |  | Via Teleconference |
| Bracy, Phil  |   |   |
| Butterfield, Lindsay |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Covington, Austin |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hailu, Ted |  | Via Teleconference |
| Hilliard, Marie |  | Via Teleconference |
| Hobbs, Kristi |  |  |
| Hui, Hailong |  | Via Teleconference |
| Jones, Dan |  |  |
| Kane, Erika |  | Via Teleconference |
| Krein, Steve |  | Via Teleconference |
| Levine, Jon |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Morehead, Juliana |  | Via Teleconference |
| Moreno, Alfredo |  | Via Teleconference |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Ruane, Mark |  |  |
| Shanks, Magie |  | Via Teleconference |
| Stice, Clayton |  |  |
| Taurozzi, Tina |  |  |
| Teixeira, Jay |  |  |
| Thomas, Shane |  | Via Teleconference |
| Woodfin, Dan |  |  |
| Zeplin, Rachel |  |   |

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

Martha Henson called the November 15, 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)

*October 18, 2018*

**Blake Gross moved to approve the October 18, 2018 meeting minutes as submitted. Bryan Sams 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 October 18, 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

Review PRS Reports, Impact Analyses, and Prioritization

*Nodal Protocol Revision Request (NPRR) 850, Market Suspension and Restart*

Market Participants and ERCOT Staff reviewed the 11/5/18 LCRA comments and the implementation timeline.

**Smith Day moved to endorse and forward to TAC the 8/16/18 PRS Report as amended by the 11/5/18 LCRA comments and Impact Analysis for NPRR850. Clayton Greer seconded the motion. The motion carried unanimously.**

*NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve*

Market Participants and ERCOT Staff discussed the Business Case and Impact Analysis for NPRR863 and reviewed the implementation timeline. Concerns were raised regarding the cost to implement NPRR863. In response to Market Participant questions on future cost impacts related to increasing solar and wind, Dan Woodfin stated that this solution provides the most efficient way to solve inertia issues with the least impacts to the market, while taking advantage of the characteristics of new Resources and providing improved functionality. Market Participants requested ERCOT Staff provide quantitative analysis of potential savings implementing NPRR863 verses procuring additional Responsive Reserve (RRS) to offset inertia. Sandy Morris raised questions regarding how NPRR863 would roll into Real-Time co-optimization and what efficiencies might be found. Market Participants requested additional time to review NPRR863.

**Mr. Greer moved to table NPRR863 for one month. Bob Helton seconded the motion. The motion carried unanimously.**

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

*NPRR882, Related to PGRR067, Procedures for Wind and Solar Equipment Change*

**Mr. Sams moved to endorse and forward the respective 10/18/18 PRS Report and Impact Analyses for NPRR871 and NPRR882 to TAC. Mr. Greer 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*

Market Participants reviewed the 11/1/18 ERCOT comments and discussed the Impact Analysis and appropriate priority and rank for NPRR884.

**Mr. Greer moved to endorse and forward to TAC the 10/18/18 PRS Report as amended by the 11/1/18 ERCOT comments and Impact Analysis for NPRR884 with a recommended priority of 2019 and rank of 2590. Mr. Sams seconded the motion. The motion carried unanimously.**

*NPRR892, Non-Spin Reserve Energy Floor Clarification*

**Mr. Greer moved to endorse and forward to TAC the 10/18/18 PRS Report and Impact Analysis for NPRR892. Ian Haley seconded the motion. The motion carried unanimously.**

*NPRR893, Clarification of Fuel Index Price and Incorporation of System-Wide Offer Cap and Scarcity Pricing Mechanism Methodology into Protocols*

**Mr. Greer moved to endorse and forward to TAC the 10/18/18 PRS Report as amended by the 10/29/18 ERCOT comments and Impact Analysis for NPRR893. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR897, Adjustments to Black Start Service (BSS) Procurement Timeline and Testing*

*NPRR898, Modify Language on Returning Original EPS Metering Site Certification Documents to the TDSP*

**Mr. Greer moved to endorse and forward the respective 10/18/18 PRS Report and Impact Analyses for NPRR897 and NPRR898 to TAC. Marty Downey seconded the motion. The motion carried unanimously.**

*NPRR899, Digital Certificate and User Security Administrator Clarifications and Opt Out Procedure*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR899.

**Jennifer Robertson moved to endorse and forward to TAC the 10/18/18 PRS Report and Impact Analysis for NPRR899 with a recommended priority of 2019 and rank of 2600. Shari Heino seconded the motion. The motion carried unanimously.**

*SCR797, Provide IRR Current Operating Plan (COP) to TSPs*

Ms. Henson yielded the chair to Melissa Trevino. Market Participants reviewed the 11/8/18 Oncor comments and the Impact Analysis for System Change Request (SCR) 797.

**Mr. Greer moved to endorse and forward to TAC the 10/18/18 PRS Report as amended by the 11/8/18 Oncor comments and Impact Analysis for SCR797 with a recommended priority of 2019 and rank of 2610. Mr. Gross seconded the motion. The motion carried unanimously.**

*PGRR066, Interconnection Request Cancellation and Creation of Inactive Status*

Market Participants discussed the Impact Analysis and appropriate priority and rank for Planning Guide Revision Request (PGRR) 066.

**Mr. Greer moved to endorse the Reliability and Operations Subcommittee (ROS) recommended priority of 2019 and rank of 2580 for PGRR066. John 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*

*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*

*NPRR902, ERCOT Critical Energy Infrastructure Information*

*NPRR903, Day-Ahead Market Timing Deviations*

PRS took no action on these items.

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

Nathan Bigbee stated that ERCOT is still in opposition to NPRR886, however at the direction of PRS, ERCOT proposed compromise language in its 10/15/18 ERCOT comments. Mr. Bigbee reiterated that ERCOT preferred the rejection of NPRR886. Market Participants offered clarifications to the 10/15/18 ERCOT comments to extend the comment period from seven to 14 days.

**Mr. Greer moved to recommend approval of NPRR886 as amended by the 10/15/18 ERCOT comments as revised by PRS. Mr. Gross seconded the motion. The motion carried unanimously.**

*NPRR901, Switchable Generation Resource Status Code*

Ms. Henson summarized the history of NPRR901 and the 11/13/18 ERCOT comments requesting Urgent status.

**Mr. Helton moved to grant NPRR901 Urgent status. Mr. Gross seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.** Market Participants discussed the merits of NPRR901.

**Mr. Helton moved to recommend approval of NPRR901 as submitted, and to forward to TAC NPRR901 and the Impact Analysis. Natasha Henderson seconded the motion. The motion carried with two abstentions from the IPM (Morgan Stanley) Market Segment and the Municipal (DME) Market Segment.** Market Participants and ERCOT Staff considered priority and rank for NPRR901.

**Mr. Helton moved to recommend a priority of 2019 and a rank of 2505 for NPRR901. Mr. Gross seconded the motion. The motion carried with one abstention from the IPM (Morgan Stanley) Market Segment.**

Review of Revision Request Language (see Key Documents)

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

Shams Siddiqui summarized the potential market efficiencies in NPRR904 and ongoing discussions at the Qualified Scheduling Entity Managers (QSE) Working Group (QMWG) meetings.

**Ms. Trevino moved to table NPRR904 and refer the issue to the Wholesale Market Subcommittee (WMS). Ms. Morris seconded the motion. The motion carried unanimously.**

*NPRR905, CRR Balancing Account Resettlement*

**Ms. Trevino moved to recommend approval of NPRR905 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR906, Clarifying the Decision Making Entity Process*

**Mr. Greer moved to recommend approval of NPRR906 as submitted. Mr. Sams seconded the motion. The motion carried unanimously.**

*NPRR907, Revise Definition of M1a to Reflect Actual Calendar Days*

**Mr. Greer moved to recommend approval of NPRR907 as submitted. Mr. Downey seconded the motion. The motion carried unanimously.**

*NPRR908, Revisions to Mass Transition Processes*

**Mr. Sams moved to table NPRR908 and refer the issue to the Retail Market Subcommittee (RMS). Ms. Morris seconded the motion. The motion carried unanimously.**

*SCR798, PTP Obligation Bid ID Limit*

**Mr. Greer moved to table SCR798 and refer the issue to WMS. Mr. Haley seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Bob Wittmeyer reviewed recent RTF activities.

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the November 15, 2018 PRS meeting at 10:45 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2018/11/15/138516-PRS unless otherwise noted [↑](#footnote-ref-1)