**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, January 18, 2018 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services | Alt. Rep. for B. Sams |
| Coleman, Diana | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Gibson, C. | Discount Power | Via Teleconference |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service |  |
| Heino, Shari | Brazos Electric Power Cooperative |  |
| Henson, Martha | Oncor |  |
| Kee, David | CPS Energy | Alt. Rep. for D. Detelich |
| Ricketts, David | Luminant |  |
| Stanfield, Leonard | Invenergy Energy Management |  |
| Trevino, Melissa | Occidental Chemical |  |
| Varnell, John | Tenaska Power Services |  |

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| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Blakey, Eric | | Just Energy | |  |
| Bruce, Mark | | Cratylus Advisors | |  |
| Bunch, Kevin | | EDF ES | |  |
| Cochran, Seth | | DC Energy | |  |
| Cook, Tim | | Cross Texas Transmission | | Via Teleconference |
| Cripe, Ramsey | | Schneider Engineering | | Via Teleconference |
| Daigneault, Ralph | | Potomac Economics | |  |
| Downey, Marty | | Electranet Power | |  |
| Eckhoff, Christina | | Texas Reliability Entity | | Via Teleconference |
| Engelby, Ben | | Aces Power | | Via Teleconference |
| Flowers, BJ | | Sharyland | |  |
| Foos, Richard | | Calpine | | Via Teleconference |
| Galliguez, Percy | | Brazos Electric Cooperative | | Via Teleconference |
| Goff, Eric | | Citigroup Energy | |  |
| Haley, Ian | | Luminant | |  |
| Hughes, Lindsey | | Competitive Power | | Via Teleconference |
| Jacobs, Kaci | | TXU Energy | | Via Teleconference |
| Jewell, Michael | | Jewell and Associates | | Via Teleconference |
| Jones, Liz | | Oncor | |  |
| Juricek, Mike | | Oncor | | Via Teleconference |
| Kueker, Dan | | Brazos Electric Cooperative | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Lee, Jim | | AEPSC | | Via Teleconference |
| Lloyd, Brian | | PUCT | |  |
| Maye, Shelly-Ann | | Wind Energy Transmission Texas | |  |
| McKeever, Debbie | | Oncor | |  |
| Morris, Sandy | | Direct Energy | |  |
| Mueller, Paula | | Texas Reliability Entity | | Via Teleconference |
| Paff, Tom | | Duke Energy | | Via Teleconference |
| Powell, Christian | | LCRA | |  |
| Reed, Carolyn | | CenterPoint Energy | | Via Teleconference |
| Reedy, Steve | | Potomac Economics | |  |
| Rehfeldt, Diana | | Texas New Mexico Power | | Via Teleconference |
| Reid, Walter | | Wind Coalition | | Via Teleconference |
| Robertson, Jennifer | | LCRA | |  |
| Sandidge, Clint | | Calpine | |  |
| Schwarz, Brad | | Sharyland | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Jewell and Associates | |  |
| Smith, Mark | | Nucor | |  |
| Thompson, David | | Pedernales Electric Cooperative | |  |
| Thomson, Thayil | | Power Costs | | Via Teleconference |
| True, Roy | | Aces Power | | Via Teleconference |
| Turner, Lucas | | South Texas Electric Cooperative | |  |
| Whittle, Brandon | | MegaWatt Analytics | |  |
| Wittmeyer, Bob | | Denton Municipal Electric | |  |
| Woodruff, Taylor | | Oncor | | Via Teleconference |
| Zerwas, Rebecca | | NRG | |  |
| Zake, Diana | | Lone Star Transmission | |  |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Bezam, Joseph |  | | Via Teleconference | |
| Bigbee, Nathan |  | |  | |
| Bivens, Carrie |  | |  | |
| Boren, Ann |  | |  | |
| Boswell, Bill |  | | Via Teleconference | |
| Bracy, Phil | |  | |  |
| Butterfield, Lindsay | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Chang, Sean | |  | | Via Teleconference |
| Chen, Jian | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Fohn, Doug | |  | | Via Teleconference |
| Gonzalez, Ino | |  | | Via Teleconference |
| Hanson, Kevin | |  | | Via Teleconference |
| Hobbs, Kristi | |  | |  |
| House, Donald | |  | | Via Teleconference |
| Krein, Steve | |  | | Via Teleconference |
| Landry, Kelly | |  | |  |
| Levine, Jon | |  | | Via Teleconference |
| Maggio, Dave | |  | |  |
| Mago, Nitika | |  | | Via Teleconference |
| Manning, Brian | |  | | Via Teleconference |
| Matlock, Robert | |  | | Via Teleconference |
| Meier, Eric | |  | |  |
| Moreno, Alfredo | |  | |  |
| Phillips, Cory | |  | |  |
| Prichard, Lloyd | |  | | Via Teleconference |
| Roberts, Randy | |  | | Via Teleconference |
| Rosel, Austin | |  | | Via Teleconference |
| Seely, Chad | |  | |  |
| Sharma, Sandip | |  | |  |
| Shaw, Pam | |  | | Via Teleconference |
| Shaw, Pam | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Taurozzi, Tina | |  | |  |
| Thomas, Shane | |  | | Via Teleconference |
| Townsend, Aaron | |  | | Via Teleconference |
| Xiao, Hong | |  | | Via Teleconference |
| Zeplin, Rachel | |  | | Via Teleconference |
| Zhang, Wen | |  | | Via Teleconference |

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

Suzy Clifton called the January 18, 2018 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Election to 2018 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 2018 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2018 PRS Chair by acclamation.**

**Diana Coleman nominated Melissa Trevino for 2018 PRS Vice Chair.** Ms. Trevino accepted the nomination. **Ms. Trevino was named 2018 PRS Vice Chair by acclamation.**

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

*December 14, 2017*

**Bill Barnes moved to approve the December 14, 2017 meeting minutes as submitted. Mr. Gross seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reminded Market Participants that neither TAC nor the ERCOT Board had met since the last 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, reviewed the 2017 and 2018 release targets and 2017 project spending, and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson stated that the Credit Monitoring and Management Application (CMM) bundled effort is in-flight for the February release and that the delivery of Nodal Protocol Revision Request (NPRR) 768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories, has been moved up from October to the May 2018 release. Ms. Henson inquired regarding the implementation for Planning Guide Revision Request (PGRR) 057, Responsibilities for Performing Geomagnetic Disturbance (GMD) Vulnerability Assessments. Mr. Anderson stated that an update would be provided at the February PRS meeting.

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

*NPRR844, Clarification to Outage Report*

**David Ricketts moved to endorse and forward to TAC the 12/14/17 PRS Report as amended by the 1/17/18 Luminant comments, and Impact Analysis for NPRR844 with a recommended priority of 2018 and a rank of 2130. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR852, CRR Activity Calendar Approval Process*

**Clayton Greer moved to endorse and forward to TAC the 12/14/17 PRS Report and Impact Analysis for NPRR852. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR855, Criteria for Including Resources in the CDR Peak Average Capacity Contribution Calculations*

**Mr. Greer moved to endorse and forward to TAC the 12/14/17 PRS Report and Impact Analysis for NPRR855. Ms. Coleman seconded the motion. The motion carried unanimously.**

*System Change Request (SCR) 794, Update SCED Limit Calculation*

**Mr. Greer moved to endorse and forward to TAC the 12/14/17 PRS Report and Impact Analysis for SCR794 with a recommended priority of 2018 and a rank of 2140. David Kee seconded the motion. The motion carried unanimously.**

Review of Pending Project Priorities (see Key Documents)

Mr. Anderson reviewed the list of projects planned for initiation in January, February and March 2018, and stated that NPRR821, Elimination of the CRR Deration Process for Resource Node to Hub or Load Zone CRRs, is scheduled for Release 3 in 2019.

Urgency Vote

*NPRR861, Clarification of ERCOT’s Authority to Protect Its Jurisdictional Status*

**Mr. Greer moved to grant NPRR861 Urgent status. Mr. Barnes seconded the motion. The motion carried unanimously.**

Market Participants discussed the merits of NPRR861. In response to Market Participant questions for a formal communication process when ERCOT intends to exercise its authority to protect its jurisdictional status, Chad Seely stated that the specific actions are still being defined, however, ERCOT will be transparent on the flow of information, and a Market Notice will be provided on a timely basis. Mark Bruce stated that Southern Cross Transmission did not oppose the desire of the Public Utility Commission of Texas (PUCT) to clarify its jurisdiction; however, they were concerned with the overly broad authority being granted to ERCOT and requested additional review through the stakeholder process. Liz Jones reminded Market Participants of their obligation to take action as requested by the PUCT. ERCOT Staff offered administrative clarifications to NPRR861.

**Mr. Greer moved to recommend approval of NPRR861 as revised by PRS, and to forward to TAC. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR864, RUC Modifications to Consider Market-Based Solutions*

Ms. Surendran reviewed NPRR864 stating the intent was to modify the Reliability Unit Commitment (RUC) process to allow market based solutions prior to ERCOT actions and that urgency was requested so that it could be implemented prior to Summer 2018. Ms. Surendran stated that in review of potential impacts ERCOT Staff identified other potential solutions. Market Participants and ERCOT Staff discussed the merits of NPRR864, the potential solutions and the timeline. Ms. Surendran agreed with further vetting of NPRR864 however reserved the right to request Urgency at a later date so that NPRR864 could be implemented for the summer. Market Participants requested additional review by the Wholesale Market Subcommittee (WMS).

**Mr. Greer moved to table NPRR864 and refer the issue to WMS. Mr. Barnes 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*

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

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

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

*NPRR845, RMR Process and Agreement Revisions*

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

*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*

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

*NPRR853, Availability of ERCOT Estimated Interval Meter Data*

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

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

*SCR793, SSR Related Telemetry for Cross Texas Transmission*

*SCR795, Addition of Intra-Hour Wind Forecast to GTBD Calculation*

PRS took no action on these items.

*NPRR854, NOIE TDSP Submittal of Meters with Bidirectional Flow Caused by Generation Interconnected at Distribution Voltage*

**Mr. Ricketts moved to recommend approval of NPRR854 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR858, Provide Complete Current Operating Plan (COP) Data*

Market Participants discussed the merits of NPRR858. Some Market Participants expressed a concern for the impacts of providing the requested amount of data, including implementation costs and ongoing storage capacity, and requested additional review of the issues.

**Mr. Ricketts moved to table NPRR858 for one month and refer the issue to WMS. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR860, Day-Ahead Market (DAM) Clean-Up*

ERCOT Staff and Market Participants discussed the merits of NPRR860 and the 1/15/18 ERCOT comments.

**Mr. Greer moved to recommend approval of NPRR860 as amended by the 1/15/18 ERCOT comments. Ms. Coleman seconded the motion. The motion carried with two abstentions from the Municipal (CPS Energy) and Consumer (Occidental) Market Segments.**

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

**Mr. Barnes moved to table NPRR862 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

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

Lucas Turner reviewed NPRR863 and stated that the intent was to separate the Primary Frequency Response function from Responsive Reserve (RRS) and establish two discrete Ancillary Services, Primary Frequency Response Service (PFRS) and RRS. Some Market Participants expressed a concern for conflicts with the North American Electric Reliability Corporation (NERC) Reliability Standard BAL-001-TRE-1, Primary Frequency Response in the ERCOT Region. ERCOT Staff expressed concern for the proposed blanket exemption for the Governor-in-service requirement and stated that the exemption was only intended to apply to those Resources that are found technically infeasible to provide Primary Frequency Response. Market Participants requested additional review of the issues.

**Mr. Greer moved to table NPRR863 and refer the issue to the Reliability and Operations Subcommittee (ROS) and WMS. John Varnell seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Mr. Ricketts provided an update on recent RTF activities and reminded Market Participants of the Friday, January 19, 2018 RTF meeting.

Other Business (see Key Documents)

*2018 PRS Goals*

Market Participants reviewed the 2017 PRS Goals. Ms. Henson requested that Market Participants further review the 2017 PRS Goals in preparation for consideration of 2018 PRS Goals at the February 8, 2018 PRS meeting.

Adjournment

Ms. Henson adjourned the January 18, 2018 PRS meeting at 12:40 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/1/18/138476-PRS> unless otherwise noted [↑](#footnote-ref-1)