**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, February 8, 2018 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Coleman, Diana | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Detelich, David | CPS Energy |  |
| Gibson, C. | Discount Power |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service |  |
| 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 |  |

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| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Allen, Thresa | | Avangrid Renewables | | Via Teleconference |
| Barnes, Bill | | Reliant Energy Retail Services | |  |
| Blakey, Eric | | Just Energy | |  |
| Brewster, Chris | | City of Eastland | |  |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Checkly, Jim | | Cross Texas Transmission | |  |
| Cochran, Seth | | DC Energy | |  |
| Cook, Tim | | Cross Texas Transmission | | Via Teleconference |
| Daigneault, Ralph | | Potomac Economics | |  |
| Downey, Marty | | Electranet Power | |  |
| Eckhoff, Christina | | Texas Reliability Entity | | Via Teleconference |
| English, Barksdale | | Austin Energy | |  |
| Flowers, BJ | | Sharyland | | Via Teleconference |
| Goff, Eric | | Citigroup Energy | |  |
| Helton, Bob | | Dynegy | |  |
| Hourihan, Mike | | CPower Energy Management | | Via Teleconference |
| Jewell, Caitlin | | Jewell and Associates | | Via Teleconference |
| Juricek, Mike | | Oncor | | Via Teleconference |
| Kee, David | | CPS Energy | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Lee, Jim | | AEPSC | |  |
| Maye, Shelly-Ann | | Wind Energy Transmission Texas | | Via Teleconference |
| Moore, Sheri | | CenterPoint Energy | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Mueller, Paula | | Texas Reliability Entity | | Via Teleconference |
| Peters, Patrick | | CenterPoint Energy | |  |
| Powell, Christian | | LCRA | |  |
| Ravulapati, Bharath | | Cross Texas Transmission | | Via Teleconference |
| Reed, Cyrus | | Sierra Club | | 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 | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Jewell and Associates | | Via Teleconference |
| Stanfield, Leonard | | Invenergy | | Via Teleconference |
| Thomas, Wayne | | Bryan Texas Utilities | |  |
| True, Roy | | Aces Power | | Via Teleconference |
| Turner, Lucas | | South Texas Electric Cooperative | |  |
| Watson, Mark | | SPGlobal | | Via Teleconference |
| Whittle, Brandon | | MegaWatt Analytics | |  |
| Whitworth, Doug | | Texas Reliability Entity | | Via Teleconference |
| Wittmeyer, Bob | | Denton Municipal Electric | |  |
| Zake, Diana | | Lone Star Transmission | |  |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Bivens, Carrie |  | |  | |
| Boren, Ann |  | |  | |
| Boswell, Bill |  | | Via Teleconference | |
| Bracy, Phil | |  | |  |
| Butterfield, Lindsay | |  | |  |
| Chang, Sean | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Hobbs, Kristi | |  | |  |
| Landry, Kelly | |  | |  |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Mele, Cheryl | |  | |  |
| Moreno, Alfredo | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Rosel, Austin | |  | | Via Teleconference |
| Smith, Nathan | |  | | Via Teleconference |
| Taurozzi, Tina | |  | |  |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the February 8, 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)

*January 18, 2018*

**Blake Gross moved to approve the January 18, 2018 meeting minutes as submitted. Bryan Sams seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of Revision Requests considered at the January 25, 2018 TAC meeting.

2018 PRS Goals

**Diana Coleman moved to approve the 2018 PRS Goals as submitted. Mr. Sams seconded the motion. The motion carried unanimously.**

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 2018 release targets and presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson stated that the review of pending project priorities is now merged with the portfolio report and presented the list of projects planned for initiation in February, March and May 2018. Mr. Anderson stated 2017 financial results were still being finalized and that project spending and the yearly Annual Project Report would be presented at the March 8, 2018 PRS meeting.

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

*Nodal Protocol Revision Request (NPRR) 854, NOIE TDSP Submittal of Meters with Bidirectional Flow Caused by Generation Interconnected at Distribution Voltage*

**Mr. Sams moved to endorse and forward to TAC the 1/18/18 PRS Report and Impact Analysis for NPRR854 with a recommended priority of 2018 and a rank of 2160. Mr. Gross seconded the motion. The motion carried unanimously.**

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

**Clayton Greer moved to endorse and forward to TAC the 1/18/18 PRS Report and Impact Analysis for NPRR860. John Varnell seconded the motion. The motion carried unanimously.**

*RRGRR015, Additional Guidance for Transformer and Station Data*

*RRGRR016, Additional Guidance for Solar Data*

Mr. Anderson recommended bundling Resource Registration Glossary Revision Request (RRGRR) 015 and RRGRR016 to maximize efficiencies and implement in 2018 without disrupting in-flight projects.

**Mr. Greer moved to endorse the Reliability and Operations Subcommittee (ROS) recommended priority of 2018 and rank of 2150 for RRGRR015 and RRGRR016. Bob Helton seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*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*

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

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

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

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

PRS took no action on these items.

*NPRR807, Day-Ahead Market Price Correction*

Market Participants and ERCOT Staff discussed the merits of NPRR807 and the 1/17/18 ERCOT comments endorsed by the Wholesale Market Subcommittee (WMS). Mr. Greer opined that NPRR807 needed additional vetting as the revisions removed the actions impacted parties could take to recover any harm caused by an ERCOT mistake in processing Settlement data. ERCOT Staff reminded Market Participants of the history of NPRR807 and reviewed the dispute process. ERCOT Staff stated that the intent of NPRR807 was to ensure that published prices and awards are final to provide market certainty and suggested that other solutions, such as a Make-Whole Payment be considered in a separate NPRR. Market Participants further debated the issues and requested additional review by WMS.

**Mr. Greer moved to table NPRR807 and refer the issue to WMS. Ian Haley seconded the motion. The motion carried unanimously.**

*NPRR823, Amend the Definition of an Affiliate*

Mr. Helton provided an update on NPRR823 and stated that it may be an extended period of time before the issue of the correlation between the ERCOT Protocols and the ERCOT Bylaws regarding the definition of Affiliate can be resolved. PRS took no action on this item.

*NPRR853, Availability of ERCOT Estimated Interval Meter Data*

Market Participants and ERCOT Staff discussed the merits of NPRR853 and the 2/6/18 Retail Market Subcommittee (RMS) comments. Kathy Scott stated that RMS proposed a delivery method of web service versus extracts as a more efficient and less costly process for ERCOT and Market Participants.

**Mr. Sams moved to recommend approval of NPRR853 as amended by the 2/6/18 RMS comments. Mr. Greer seconded the motion. The motion carried unanimously.**

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

**Mr. Greer moved to recommend approval of NPRR858 as submitted. Mr. Goff seconded the motion.**

**The motion carried with one abstention from the Independent Retail Electric Provider (IREP) (Reliant) Market Segment.**

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

**Mr. Greer moved to recommend approval of NPRR864 as amended by the 2/1/18 WMS comments. Mr. Sams seconded the motion. The motion carried unanimously.**

*SCR793, SSR Related Telemetry for Cross Texas Transmission*

Market Participants discussed the merits of System Change Request (SCR) 793 and offered revisions to clarify that the benefits proposed in this SCR apply to all Transmission Service Providers (TSPs).

**Mr. Greer moved to recommend approval of SCR793 as revised by PRS. Mr. Gross seconded the motion. The motion carried unanimously.**

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

Market Participants discussed the merits of SCR795. Some Market Participants expressed concern that ERCOT would implement SCR795 when additional analysis of the variables in the Generation To Be Dispatched (GTBD) calculation is needed to properly vet the issue.

**Mr. Gross moved to recommend approval of SCR795 as submitted. Mr. Helton seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

Review of Revision Request Language (see Key Documents)

*NPRR865, Publish RTM Shift Factors for Hubs, Load Zones, and DC Ties*

Market Participants discussed the merits of NPRR865 and requested additional scrutiny of the cost of implementing this NPRR.

**Mr. Greer moved to recommend approval of NPRR865 as submitted. Mr. Goff seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

*Co-Chairs: David Ricketts, Luminant and Jay Teixeira, ERCOT*

**Ian Haley moved to approve 2018 RTF Leadership as submitted. Mr. Helton seconded the motion. The motion carried unanimously.**

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the February 8, 2018 PRS meeting at 10:24 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/2/8/138480-PRS> unless otherwise noted [↑](#footnote-ref-1)