**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, January 19, 2017 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Burke, Tom | Golden Spread Electric Cooperative |  |
| Coleman, Diana | OPUC |  |
| Day, Smith | Denton Municipal Electric |  |
| Gibson, C. | Discount Power |  |
| Greer, Clayton | Morgan Stanley |  |
| Heino, Shari | Brazos Electric Power Cooperative |  |
| Henson, Martha | Oncor |  |
| Kee, David | CPS Energy |  |
| Patrick, Peters | CenterPoint Energy |  |
| Ricketts, David | Luminant |  |
| Shaw, Marka | Exelon |  |
| Trevino, Melissa | Occidental Chemical |  |
| Varnell, John | Tenaska Power Services |  |

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| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Blackburn, Don | | Utiligent | | Via Teleconference |
| Brandt, Adrianne | | CPS | |  |
| Checkley, Jim | | Cross Texas Transmission | |  |
| Clark, Jack | | NextEra Energy | |  |
| Cochran, Seth | | DC Energy | |  |
| Denney, Kristi | | Potomac Economics | |  |
| Downey, Marty | | Viridity | |  |
| Elliott, Christopher | | Bank of America Merrill Lynch | | Via Teleconference |
| English, Barksdale | | Austin Energy | |  |
| Frazier, Amanda | | Luminant Generation | | Via Teleconference |
| Garza, Beth | | Potomac Economics | | Via Teleconference |
| Gomez, Gabe | | CES | | Via Teleconference |
| Graham, Greg | | Texas Reliability | | Via Teleconference |
| Gross, Blake | | AEPSC | |  |
| Harvey, Julia | | PUCT | |  |
| Helton, Bob | | Dynegy | |  |
| Hellinghausen, Bill | | EDF | | Via Teleconference |
| Helton, Bob | | Dynegy | |  |
| Hoatson, Tom | | LS Power | | Via Teleconference |
| Huges, Lindsey | | Competetive Power | | Via Teleconference |
| Hurst, Jay | | Schneider Engineering | |  |
| Jones, Randy | | Calpine | |  |
| Lane, Robert | | Oncor | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | |  |
| Markham, Craig | | CPower Energy Management | | Via Teleconference |
| Matos, Christopher | | PUCT | | Via Teleconference |
| McCamant, Frank | | McCamant Consulting | | Via Teleconference |
| McMillin, Michael | | Texas Industrial Energy Consumers | |  |
| Reid, Walter | | Wind Coalition | | Via Teleconference |
| Robertson, Jennifer | | LCRA | |  |
| Rothschild, Eric | | GDS Associates | | Via Teleconference |
| Sams, Bryan | | Reliant Energy | |  |
| Sandidge, Clint | | Noble Americas | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Thomas, Wayne | | Bryan Texas Utilities | |  |
| Wallin, Shane | | Denton Municipal Electric | | Via Teleconference |
| Watson, Mark | | SP Global | | Via Teleconference |
| White, Lauri | | AEP Texas | |  |
| Whittle, Brandon | | Megawatt Analytics | |  |
| Whitworth, Doug | | Texas Reliability Entity | | Via Teleconference |
| Wittmeyer, Bob | | Denton Municipal Electric | |  |
| Woodruff, Taylor | | Oncor | |  |
| Zake, Diana | | Lone Star Transmission | |  |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Billo, Jeff |  | |  | |
| Bivens, Carrie |  | |  | |
| Boren, Ann |  | |  | |
| Boswell, Bill |  | | Via Teleconference | |
| Bracy, Phil | |  | |  | |
| Butterfield, Lindsay | |  | |  | |
| Chang, Sean | |  | | Via Teleconference | |
| Chen, Jian | |  | | Via Teleconference | |
| Chu, Zhengguo | |  | | Via Teleconference | |
| Clifton, Suzy | |  | |  | |
| Findley, Samantha | |  | | Via Teleconference | |
| Gonzalez, Ino | |  | |  | |
| Guo, Jack | |  | | Via Teleconference | |
| Hanson, Kevin | |  | | Via Teleconference | |
| Hobbs, Kristi | |  | |  | |
| Holt, Blake | |  | | Via Teleconference | |
| House, Donald | |  | | Via Teleconference | |
| Hui, Hailong | |  | | Via Teleconference | |
| Jin, Julie | |  | | Via Teleconference | |
| Krein, Steve | |  | | Via Teleconference | |
| Landry, Kelly | |  | |  | |
| Levine, Jon | |  | | Via Teleconference | |
| Maggio, David | |  | |  | |
| Matlock, Robert | |  | | Via Teleconference | |
| Moorty, Sai | |  | | Via Teleconference | |
| Morehead, Juliana | |  | | Via Teleconference | |
| Opheim, Calvin | |  | | Via Teleconference | |
| Phillips, Cory | |  | |  | |
| Rosel, Austin | |  | | Via Teleconference | |
| Ruane, Mark | |  | |  | |
| Scott, Vicki | |  | | Via Teleconference | |
| Solis, Stephen | |  | | Via Teleconference | |
| Townsend, Aaron | |  | | Via Teleconference | |
| Wu, Jian | |  | | Via Teleconference | |
| Zeplin, Rachel | |  | |  | |

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

Suzy Clifton called the January 19, 2017 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Election to 2017 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.

**Bill Barnes nominated Martha Henson for 2017 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2017 PRS Chair by acclamation.**

**Mr. Barnes nominated Diana Coleman for 2017 PRS Vice Chair.** Ms. Coleman accepted the nomination. **Ms. Coleman was named 2017 PRS Vice Chair by acclamation.**

Agenda Review

There were no changes to the agenda order.

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

*December 1, 2016*

**Bob Helton moved to approve the December 1, 2016 PRS meeting minutes as submitted. David Kee seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report (see Key Documents)

Ms. Henson reported the disposition of Revision Requests considered at the December 13, 2016 Board 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 2016 Release results and project spending and presented the priority and rank options for Revision Requests with impacts. In response to Market Participants request to move up the release date for Nodal Protocol Revision Request (NPRR) 744, Reliability Unit Commitment (RUC) Trigger for the Reliability Deployment Price Adder and Alignment with RUC Settlement, to May or early June before the summer months, Mr. Anderson opined that due to the complexity of the project and detailed project integration it could be difficult to get a separate, earlier release date. Mr. Anderson reviewed the two year budget cycle process.

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

*PGRR052, Stability Assessment for Interconnecting Generation*

Mr. Anderson noted Planning Guide Revision Request (PGRR) 052 was recommended for approval by the Reliability and Operations Subcommittee (ROS) with a revised desired effective date and offered a revised priority of 2017 and rank of 1900.

**Mr. Barnes moved to recommend a priority of 2017 and rank of 1900 for PGRR052. Blake Gross seconded the motion. The motion carried unanimously.**

Review of Pending Project Priorities (see Key Documents)

Mr. Anderson presented target start dates for approved Revision Requests for January, March, June and September 2017.

Revision Requests Tabled at PRS (see Key Documents)

*NPRR562, Subsynchronous Resonance*

*NPRR697, Disclosure of Protected Information for Research and Coordination Purposes*

*NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories*

*NPRR776, Voltage Set Point Communication*

*NPRR777, ERCOT-directed Dispatch of Price-Responsive Distributed Generation*

*NPRR796, Extended Character Set Clean Up*

*NPRR798, Additional CRR Accounts Request*

*NPRR807, Day-Ahead Market Price Correction*

*NPRR809, GTC or GTL for New Generation Interconnection*

*SCR785, Update RTL calculation to include Real-Time Reserve Price Adder based components*

Ms. Henson noted that the Subsynchronous Resonance Workshop related to NPRR562 would take place on January 31, 2017. Mr. Barnes provided an update on System Change Request (SCR) 785 stating that the Credit Work Group (Credit WG) determined that it was no longer necessary due to the high cost. PRS took no action on these items.

*NPRR799, Updates to Outages of Transmission Facilities*

Market Participants discussed the merits of NPRR799 and expressed concerns regarding any potential compliance issues for the Qualified Scheduling Entity (QSE) in updating the Outage Scheduler. Stephen Solis stated ERCOT is currently developing comments to address the necessity of the information required by the NPRR. Market Participants requested additional time for review by the QSE Managers Working Group (QMWG) at the January 30, 2017 Meeting.

**Mr. Barnes moved to table NPRR799 for one month. Barksdale English seconded the motion. The motion carried with one objection from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

*NPRR800, Revisions to Credit Exposure Calculations to Use Electricity Futures Market Prices*

Mr. Barnes provided an update on NPRR800 and requested urgency to facilitate its inclusion, upon ERCOT Board approval, in the Credit Monitoring and Management Application (CMM) Project bundle.

**Mr. Barnes moved to grant NPRR800 Urgent status. Tom Burke seconded the motion. The motion carried with one objection from the Independent Generator (Luminant Generation) Market Segment.**

Mr. Anderson offered a priority of 2017 and rank of 1561. **Mr. Barnes moved to recommend approval of NPRR800 as amended by the 11/16/16 Credit Work Group (Credit WG) comments; and to forward to TAC with a recommended priority of 2017 and rank of 1561. Mr. Burke seconded the motion. The motion carried with one objection from the Independent Generator (Luminant Generation) Market Segment.**

*NPRR802, Settlements Clean-up*

**Clayton Greer moved to recommend approval of NPRR802 as amended by the 11/16/16 ERCOT comments. Mr. Kee seconded the motion. The motion carried unanimously.**

*NPRR804, Remove Posting Requirement for One-Line Diagram*

Carrie Bivens provided an update on NPRR804. Market Participants affirmed their desire for the continued posting of a system wide diagram of Transmission Elements and station one-line diagrams, reviewed the 1/18/17 ERCOT comments to NPRR804, and offered additional revisions to specify that the system wide diagram referenced in the 1/18/17 ERCOT comments will not include Transmission Elements within a Private Use Network.

**Mr. Greer moved to recommend approval of NPRR804 as amended by the 1/18/17 ERCOT comments and as revised by PRS. Melissa Trevino seconded the motion. The motion carried unanimously.**

*NPRR808, Three Year CRR Auction*

Market Participants reviewed the 1/18/17 DC Energy comments.

**Mr. Greer moved to recommend approval of NPRR808 as amended by the 1/18/17 DC Energy comments. Mr. Barnes seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR810, Applicability of RMR Incentive Factor on Reservation and Transportation Costs Associated with Firm Fuel Supplies*

Ino Gonzalez presented NPRR810, stating it removes the applicability of the Reliability Must-Run (RMR) Incentive Factor to reservation and transportation costs considered fuel costs and separates costs in the RMR Standby Payment based on the Incentive Factor. Market Participants offered revisions to ensure that the changes proposed in NPRR810 are only applied prospectively.

**Mr. Barnes moved to recommend approval of NPRR810 as revised by PRS. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR811, Two Day Cure Period for Foreign Market Participant Guarantee Agreements*

Mr. Helton noted Market Participant discussion of NPRR812 at the 1/18/17 Credit WG Meeting. Market Participants requested further review of NPRR812 by the Credit WG and Wholesale Market Subcommittee (WMS).

**Mr. Helton moved to table NPRR811 and refer the issue to the Credit WG and WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR812, Alignment of Currently Published Reports*

Dave Maggio presented NPRR807, and stated the intent was to align the current reporting with Protocol language and the Public Utility Commission of Texas (PUCT) Substantive Rules. There was discussion of how this information would be posted and additional clarifying revisions were made regarding posted offer price information.

**Mr. Barnes moved to recommend approval of NPRR812 as revised by PRS. Mr. Greer seconded the motion. The motion carried unanimously.**

Other Business

*2017 PRS Goals*

Market Participants reviewed the 2016 PRS Goals and offered revisions. Ms. Henson requested that Market Participants further review the 2016 PRS Goals in preparation for considering 2017 PRS Goals at the February 9, 2017 PRS meeting.

Adjournment

Ms. Henson adjourned the January 19, 2017 PRS meeting at 10:50 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at [*http://www.ercot.com/calendar/2017/1/19/108212-PRS*](http://www.ercot.com/calendar/2017/1/19/108212-PRS)unless otherwise noted [↑](#footnote-ref-1)