**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Friday, August 11, 2017 – 9:30 a.m.**

Attendance

*Members:*

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Abbott, Kristin | | PUCT | | Via Teleconference |
| Blakey, Eric | | Just Energy | | Via Teleconference |
| Brandt, Adrianne | | CPS Energy | |  |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Bunch, Kevin | | EDF ES | |  |
| Checkley, Jim | | CTT | |  |
| Cherry, Derrick | | Southern Company | | Via Teleconference |
| Clark, Jack | | NextEra Energy | |  |
| Coleman, Katie | | TIEC | |  |
| Cook, Tim | | CTT | | Via Teleconference |
| Coon, Patrick | | Megawatt Analytics | | Via Teleconference |
| Detelich, David | | CPS Energy | | Via Teleconference |
| Dotson-Westphalen, Peter | | CPower | | Via Teleconference |
| Downey, Marty | | Viridity | |  |
| Fernandez, John | | Avangrid Renewables | |  |
| Gaytan, Jose | | City of Denton | | Via Teleconference |
| Goff, Eric | | Citigroup Energy | |  |
| Gross, Blake | | AEPSC | |  |
| Helton, Bob | | Dynegy | |  |
| Hourihan, Michael | | CPower | | Via Teleconference |
| Johnson, David | | IVG | | Via Teleconference |
| Jones, Randy | | Calpine | |  |
| Juricek, Mike | | Oncor | | Via Teleconference |
| Lange, Clif | | STEC | | Via Teleconference |
| Lee, Jim | | AEPSC | |  |
| McCamant, Frank | | McCamant Consulting | | Via Teleconference |
| McKeever, Debbie | | Oncor | |  |
| Morris, Sandy | | Direct Energy | |  |
| Moss, Steven | | E.ON | |  |
| Mueller, Paula | | Texas Reliability Entity | | Via Teleconference |
| Powell, Christian | | LCRA | |  |
| Rehfeldt, Diana | | Texas New Mexico Power | | Via Teleconference |
| Reed, Carolyn | | CenterPoint Energy | | Via Teleconference |
| Reed, Cyrus | | Sierra Club | |  |
| Reedy, Steve | | Potomac Economics | |  |
| Reid, Walter | | Pattern Energy | |  |
| Robertson, Jennifer | | LCRA | |  |
| Sams, Bryan | | NRG | |  |
| Sandidge, Clint | | Calpine Solutions | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Mark | | Nucor | |  |
| Smith, Tom | | Public Citizen | |  |
| Stanfield, Leonard | | Invenergy | |  |
| Stephenson, Randa | | LCRA | |  |
| Thompson, David | | Pedernales Electric Cooperative | |  |
| Thurnher, Greg | | Shell Energy | |  |
| Trenary, Michelle | | Tenaska Power Services | | Via Teleconference |
| Triolo, Ryan | | AMS | |  |
| True, Roy | | Brazos Electric Cooperative | |  |
| Turner, Lucas | | South Texas Electric Cooperative | |  |
| Whittle, Brandon | | Megawatt Analytics | | Via Teleconference |
| Zake, Diana | | Lone Star Transmission | |  |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Troy |  | |  | |
| Bivens, Carrie |  | |  | |
| Boren, Ann |  | |  | |
| Boswell, Bill | |  | | Via Teleconference | |
| Bracy, Phil | |  | |  | |
| Butterfield, Lindsay | |  | |  | |
| Calderon, Rudy | |  | | Via Teleconference | |
| Castillo, Leo | |  | | Via Teleconference | |
| Change, Sean | |  | | Via Teleconference | |
| Clifton, Suzy | |  | |  | |
| Dovalina, Julio | |  | | Via Teleconference | |
| Gonzalez, Ino | |  | | Via Teleconference | |
| Hanson, Kevin | |  | | Via Teleconference | |
| Krein, Steve | |  | | Via Teleconference | |
| Landry, Kelly | |  | |  | |
| Lasher, Warren | |  | |  | |
| Levine, Jon | |  | | Via Teleconference | |
| Li, Weifeng | |  | | Via Teleconference | |
| Maggio, Dave | |  | |  | |
| Morehead, Juliana | |  | | Via Teleconference | |
| Phillips, Cory | |  | |  | |
| Prichard, Lloyd | |  | | Via Teleconference | |
| Rosel, Austin | |  | | Via Teleconference | |
| Sharma, Sandip | |  | |  | |
| Simons, Diane | |  | | Via Teleconference | |
| Stice, Clayton | |  | |  | |
| Teixeira, Jay | |  | | Via Teleconference | |
| Thomas, Shane | |  | |  | |
| Zeplin, Rachel | |  | | Via Teleconference | |

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

Martha Henson called the August 11, 2017 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)

*July 20, 2017*

**Blake Gross moved to approve the July 20, 2017 meeting minutes as submitted. Melissa Trevino 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 July 27, 2017 TAC meeting and updated Market Participants on the issues related to Nodal Protocol Revision Request (NPRR) 768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories, and NPRR821, Elimination of the CRR Deration Process, that were referred to the Wholesale Market Subcommittee (WMS).

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 target dates and project spending, and presented the priority and rank options for Revision Requests with impacts. Mr. Anderson stated that a storage array outage impacted project efforts, noted that the R4 release would be delayed by two weeks, and encouraged Market Participants to review Market Notices for official go-live dates. Mr. Anderson reviewed the revised implementation approach for the Credit Monitoring and Management Application (CMM) Project bundle as recommended by ERCOT Staff and the Credit Work Group (Credit WG). Mr. Anderson provided an update on the Resource Asset Registration Form (RARF) Replacement project.

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

*NPRR815, Revise the Limitation of Load Resources Providing Responsive Reserve (RRS) Service*

Market Participants and ERCOT Staff reviewed the Impact Analysis for NPRR815. Some Market Participants expressed concern for the projected implementation costs. In response to Market Participant questions, Mr. Anderson stated that 75% of the implementation cost of NPRR815 is attributed to vendor and internal testing costs. Some Market Participants opined that based on proposed costs and benefits and current budget limitations, other Revision Requests that provide a better value to the market should be prioritized. ERCOT Staff suggested an alternate approach to reduce the budgetary impact and requested additional time to consider using a percentage similar to the current process rather than a Megawatt (MW) limit that would require code changes in the optimization engine.

**Clayton Greer moved to table NPRR815. Bill Barnes seconded the motion. The motion carried unanimously.**

*NPRR817, Create a Panhandle Hub*

**Eric Goff moved to endorse and forward to TAC the 7/20/17 PRS Report and the Impact Analysis for NPRR817 with a recommended priority of 2018 and rank of 2100. Mr. Greer seconded the motion.** Market Participants considered the Business Case and Impact Analysis for NPRR817. Some Market Participants that had initially expressed support for NPRR817 indicated their opposition to it due to excessive implementation costs. Other Market Participants opined that the costs are associated with a one-time fix and that impacts would be less for future Hubs, and expressed support for NPRR817 as a transparent solution to the current limitations on commercial activity in the ERCOT panhandle. In response to Market Participant questions, ERCOT Staff stated that inclusion of future Hubs has potential for smaller impacts if efficiencies could be found in implementation. Market Participants requested that ERCOT review and consider how implementing NPRR817 would impact the costs for adding similar trading Hubs in the future.

**Mr. Greer moved to table NPRR817. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR829, Incorporate Real-Time Non-Modeled Telemetered Net Generation by Load Zone into the Estimate of RTL*

Market Participants reviewed the 8/9/17 ERCOT comments, Impact Analysis and Business Case for NPRR829. In response to Market Participant questions on the implementation timeline with regard to the CMM project, ERCOT Staff reminded Market Participants that NPRR829 was not within the scope of the CMM project. Some Market Participants expressed concern for the projected budgetary impacts of NPRR829.

**Mr. Barnes moved to endorse and forward to TAC the 7/20/17 PRS Report as amended by 8/9/17 ERCOT comments and the Impact Analysis for NPRR829 with a recommended priority of 2019 and a rank of 2510. Mr. Greer seconded the motion. The motion carried with one objection from the Municipal (CPS Energy) Market Segment and one abstention from the Municipal (DME) Market Segment.**

*NPRR836, Incorporation of Other Binding Document Forms into Protocol Section 23*

**Mr. Barnes moved to endorse and forward to TAC the 7/20/17 PRS Report and the Impact Analysis for NPRR836. John Varnell seconded the motion. The motion carried with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.**

*SCR791, Correction of 60-day SCED GRD Disclosure Report*

Market Participants reviewed the 8/4/17 ERCOT comments and considered the request for additional time to complete the Impact Analysis for System Change Request (SCR) 791.

**Mr. Greer moved to table SCR791. 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 August 2017, September 2017, and February 2018.

Revision Requests Tabled at PRS (see Key Documents)

*NPRR807, Day-Ahead Market Price Correction*

*NPRR814, Modify Black Start Procurement Cycle*

*NPRR819, Resettlement Clean-Ups*

*NPRR823, Amend the Definition of an Affiliate*

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

*NPRR834, Clarifications for Repossessions of CRRs by ERCOT*

*NPRR835, Removing the Capacity Limits from Resources Providing Fast Responding Regulation Service (FRRS)*

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

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

PRS took no action on these items.

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

Warren Lasher provided an update on NPRR697, stating ERCOT needed additional time to complete a comprehensive review of Protected Information. PRS took no action on this item.

*NPRR825, Require ERCOT to Declare an Emergency Condition Prior to Curtailing any DC Tie Load*

**Mr. Greer moved to recommend approval of NPRR825 as amended by the 7/19/17 Morgan Stanley comments. Bob Wittmeyer seconded the motion. The motion carried with one abstention from the Consumer (Occidental Chemical) Market Segment.**

*NPRR826, Mitigated Offer Caps for RMR Resources*

Market Participants discussed the merits of NPRR826. **Mr. Barnes move to recommend approval of NPRR826 as amended by the 6/23/17 ERCOT comments. Mr. Greer seconded the motion.** Katie Coleman stated the Texas Industrial Energy Consumers (TIEC) continued to oppose NPRR826 on the basis that it was improper to consider the individual solution proposed in this Revision Request when the issues of localized scarcity pricing, including the Reliability Must Run (RMR) units and Reliability Unit Commitment (RUC), are being addressed together in one forum under the Public Utility Commission of Texas (PUCT). Proponents of NPRR826 noted that, based on the discussion at the 7/28/17 PUCT Open Meeting, the market should not explicitly hold consideration of this issue awaiting PUCT direction and opined NPRR826 is a compromise solution following the rejection of NPRR784, Mitigated Offer Caps for RMR Units. Some Market Participants requested additional time to review the 8/10/17 Luminant comments and the related issues.

**Randa Stephenson moved to table NPRR826. Ms. Trevino seconded the motion.** Market Participants further debated the issues.

**Ms. Trevino moved to call the question. Tom Burke seconded the motion. The motion carried with two objections from the IPM (Morgan Stanley, Citigroup) Market Segment.**

**The motion to table NPRR826 carried with two objections from the Independent Retail Electric Provider (IREP) (Reliant) and IPM (Morgan Stanley) Market Segments and three abstentions from the Municipal (DME) and Independent Generator (2) (Dynegy, Exelon) Market Segments.**

*NPRR828, Include Fast Frequency Response as a Subset of Responsive Reserve*

Market Participants discussed the 8/4/17 Morgan Stanley, 8/9/17 Sierra Club, and 8/11/17 E.ON comments and requested additional time to review. PRS took no action on this item.

Review of Revision Request Language (see Key Documents)

*NPRR839, Clarification of ERCOT Forwarding of Consumption and Other Data*

Market Participants requested additional review of NPRR839 by the Retail Market Subcommittee (RMS).

**Mr. Barnes moved to table NPRR839 and refer the issue to RMS. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR840, Implementation of Infeasible Ancillary Service Protocol Revisions*

Market Participants discussed the merits of NPRR840. ERCOT Staff clarified concepts in NPRR840, stating it addresses the notification timeline inconsistency in NPRR782, Settlement of Infeasible Ancillary Services Due to Transmission Constraints, and could be implemented without additional cost. ERCOT Staff added that NPRR841, Real-Time Adjustments to Day-Ahead Make Whole Payments due to Ancillary Services Infeasibility Charges, addresses separate issues.

**Mr. Greer moved to recommend approval of NPRR840 as submitted. Mr. Burke seconded the motion. The motion carried unanimously.**

*NPRR841, Real-Time Adjustments to Day-Ahead Make Whole Payments due to Ancillary Services Infeasibility Charges*

Market Participants and ERCOT Staff discussed the merits of NPRR841 and the proposed Real-Time recalculation of the Day-Ahead Make-Whole Payments. Market Participants requested additional review by WMS.

**Mr. Greer moved to table NPRR841 and refer the issue to WMS. Mr. Burke seconded the motion. The motion carried unanimously.**

*NPRR842, Study Area Load Information*

**Mr. Greer moved to table NPRR842 and refer the issue to WMS. David Ricketts seconded the motion. The motion carried unanimously.**

*NPRR843, Short-Term System Adequacy and AS Offer Disclosure Reports Additions*

**Mr. Greer moved to table NPRR843 and refer the issue to WMS. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR844, Clarification to Outage Report*

Market Participants requested additional review of NPRR844 and the related reporting for Combined Cycle Generation Resources by WMS.

**Mr. Greer moved to table NPRR844 and refer the issues to WMS. Ms. Trevino seconded the motion. The motion carried unanimously.**

*NPRR845, RMR Process and Agreement Revisions*

**Mr. Barnes moved to table NPRR845 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

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

**Mr. Wittmeyer moved to approve RTF Leadership as submitted. Mr. Burke seconded the motion. The motion carried unanimously.**

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the August 11, 2017 PRS meeting at 11:39 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2017/8/11/108240-PRS> unless otherwise noted [↑](#footnote-ref-1)