**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

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

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Coleman, Diana | OPUC |  |
| Coleman, Katie | Occidental Chemical | Alt. Rep. for M. Trevino |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation | Alt. Rep. for D. Ricketts |
| 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 |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for S. Day |

|  |  |  |
| --- | --- | --- |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Alford, Anthony | CenterPoint Energy | Via Teleconference |
| Ashley, Kristy | Customized Energy Solution | Via Teleconference |
| Boisseau, Heather | LCRA | Via Teleconference |
| Cook, Tim | Cross Texas Transmission | Via Teleconference |
| Daigneault, Ralph | Potomac Economics |  |
| Downey, Marty | Electranet Power |  |
| Griffiths, Meghan | Jackson Walker  |  |
| Helton, Bob  | ENGIE Resources |  |
| Henderson, Natasha | Golden Spread Electric Cooperative |  |
| Jonas, Todd | Tenaska Power Services |  |
| Johnson, Anthony | CenterPoint Energy |   |
| Juricek, Michael | Oncor | Via Teleconference |
| Lange, Clif | South Texas Electric Cooperative |   |
| McCamant, Frank | McCamant Consulting | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Morris, Sandy | Direct Energy |  |
| Ottaway, Cynthia | Cross Texas Transmission | Via Teleconference |
| Peterraj, Priya | ABB | Via Teleconference |
| Peters, Patrick | CenterPoint Energy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reid, Walter | Wind Coalition | Via Teleconference |
| Rhoades, Terry  | Southwest Power Pool | Via Teleconference |
| Robertson, Jennifer | LCRA |  |
| Robinson, Rhonda | Calpine | Via Teleconference |
| Rochelle, Jennifer | Customized Energy Solutions | Via Teleconference |
| Scott, Kathy | CenterPoint Energy |  |
| Shaw, Marka | Exelon |  |
| Siddiqi, Shams | Crescent Power |  |
| Sithuraj, Murali  | Austin Energy |  |
| Smith, Caitlin | Invenergy  |   |
| Smith, Mark | Nucor |  |
| Thomas, Wayne | Bryan Texas Utilities |  |
| Toomey, Megan | Talen Energy | Via Teleconference |
| Totten, Jess | Osprey Energy |  |
| True, Roy | Aces Power | Via Teleconference |
| Watson, Mark | SPGlobal | Via Teleconference |
| Whittle, Brandon | Calpine |  |
| Younger, Joseph | Texas Reliability Entity  | Via Teleconference |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |   |
| Anderson, Connor |  | Via Teleconference |
| Anderson, Troy |  |  |
| Bernecker, John |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Blevins, Bill  |  |  |
| Boren, Ann |  |  |
| Boswell, Bob |  | Via Teleconference |
| Bracy, Phil  |   |   |
| Butterfield, Lindsay |  |  |
| Chang, Sean |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Covington, Austin |  | Via Teleconference |
| Daniels, Steve |  | Via Teleconference |
| Fohn, Douglas |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  | Via Teleconference |
| Hilliard, Marie |  | Via Teleconference |
| Hobbs, Kristi |  |  |
| Hughes, Lindsey |  | Via Teleconference |
| Hull, Gibson |  |  |
| Kane, Erika |  | Via Teleconference |
| Krein, Steve |  | Via Teleconference |
| Levine, Jon |  |  |
| Maggio, Dave |  |   |
| Mago, Nitika |  | Via Teleconference |
| Moreno, Alfredo |  |   |
| Opheim, Calvin |  | Via Teleconference |
| Phillips, Cory |  |  |
| Rajagopalan, Sidharth |  | Via Teleconference |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Shanks, Magie |  | Via Teleconference |
| Sharma, Sandip |  |  |
| Shaw, Pam |  | Via Teleconference |
| Smith, Nathan |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Stice, Clayton |  |  |
| Taurozzi, Tina |  |  |
| Teixeira, Jay |  |  |
| Thomas, Shane |  |   |
| Tucker, Don |  | Via Teleconference |
| Wattles, Paul |  | Via Teleconference |
| Woodfin, Dan |  | Via Teleconference |
| Warnken, Pete |  | Via Teleconference |
| Zeplin, Rachel |  |   |

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

Martha Henson called the October 18, 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)

*September 13, 2018*

**Diana Coleman moved to approve the September 13, 2018 meeting minutes as submitted. John Varnell seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted the disposition of Revision Requests considered at the September 26, 2018 TAC and October 9, 2018 ERCOT Board meetings.

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. Mr. Anderson summarized the changes to the implementation timeline for Nodal Protocol Revision Request (NPRR) 833, Modify PTP Obligation Bid Clearing Change, due to performance issues and additional testing iterations needed. Mr. Anderson reviewed the Aging Items Report and reminded Market Participants that implementation options for NPRR664, Fuel Index Price for Resource Definition and Real-Time Make-Whole Payments for Exceptional Fuel Cost Events, are being considered by the Wholesale Market Subcommittee (WMS).

Review PRS Reports, Impact Analyses, and Prioritization

*NPRR850, Market Suspension and Restart*

Ms. Henson summarized the history of NPRR850. Market Participants discussed the 9/10/18 LCRA comments and 10/11/18 WMS comments. Some Market Participants expressed concern for the credit implications and Settlement issues. Other Market Participants supported approval of NPRR850 in its current form, stating that a process needed to be codified to address potential loss of market systems, and that cost allocation issues should be addressed in future Revision Requests. ERCOT Staff stated clarifications on the Settlement calculations were offered to LCRA and that discussion on the parameters for potential ERCOT Board communication in a Market Restart was anticipated. It was stated that NPRR850 would be considered at the November 7, 2018 WMS meeting and November 13, 2018 Credit Work Group (Credit WG) and Market Credit Working Group (MCWG) meeting. PRS took no action on this item.

*NPRR879, SCED Base Point and Performance Evaluation Changes for IRRs that Carry Ancillary Services*

Market Participants reviewed the 9/25/18 ERCOT comments and the Revised Impact Analysis for NPRR879. Market Participants discussed the cost benefit in an automated solution in consideration of current participation levels by Intermittent Renewable Resources (IRRs) within the Ancillary Services markets verses potential future participation, and recommended a priority of 2020 to allow for continued monitoring of IRR qualification and participation in the interim.

**Bob Helton moved to endorse and forward to TAC the 9/13/18 PRS Report as amended by the 9/25/18 ERCOT comments and the Revised Impact Analysis for NPRR879 with a recommended priority of 2020 and rank of 2800. Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR881, Annual Validation Process Revisions*

**Mr. Helton moved to endorse and forward to TAC the 9/13/18 PRS Report and Impact Analysis for NPRR881. Sandy Morris seconded the motion. The motion carried unanimously.**

*NPRR887, Monthly Posting of Default Uplift Exposure Information*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR887.

**Clayton Greer moved to endorse and forward to TAC the 9/13/18 PRS Report and Impact Analysis for NPRR887 with a recommended priority of 2019 and rank of 2560. Bryan Sams seconded the motion. The motion carried unanimously.**

*NPRR894, Correction of Unaccounted For Energy (UFE) Formula*

Market Participants reviewed the Impact Analysis and ERCOT Staff proposed additional corrections to Sections 11.4.6.3, Unaccounted For Energy Allocation to Unaccounted For Energy Categories.

**Mr. Greer moved to endorse and forward to TAC the 9/13/18 PRS Report as revised by PRS, and Impact Analysis for NPRR894. Mr. Helton seconded the motion. The motion carried unanimously.**

*NPRR895, Inclusion of Photo-Voltaic Generation Resources (PVGRs) in Real-Time Ancillary Service Imbalance Payment or Charge*

Market Participants discussed the Impact Analysis and appropriate priority and rank for NPRR895.

**Mr. Greer moved to endorse and forward to TAC the 9/13/18 PRS Report and Impact Analysis for NPRR895 with a recommended priority of 2019 and rank of 2570. Bob Wittmeyer 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*

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

*NPRR891, Removal of NOIE Capacity Reporting Threshold for the Unregistered Distributed Generation Report*

*NPRR896, Reliability Must-Run and Must-Run Alternative Evaluation Process*

PRS took no action on these items.

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

Ms. Henson reviewed the history of NPRR863. Market Participants discussed the merits of NPRR863. Some Market Participants expressed concern for compliance challenges and the implementation timeline. Other Market Participants noted they would support NPRR863 at this time to generate an Impact Analysis and allow for continued discussion on the cost-benefit of the proposed Ancillary Service changes and implementation timelines.

**Lucas Turner moved to recommend approval of NPRR863 as amended by the 10/1/18 STEC comments. Marty Downey seconded the motion. The motion carried via roll call vote with two objections from the Independent Generator (Invenergy, Luminant) Market Segment and six abstentions from the Consumer (2) (Occidental, Nucor), Cooperative (2) (LCRA, PEC), Independent Retail Electric Provider (IREP) (Direct Energy), and Municipal (Austin Energy) Market Segments.**

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

**Mr. Greer moved to recommend approval of NPRR871 as amended by the 10/1/18 Reliant Energy Joint comments. Ian Haley seconded the motion. The motion carried unanimously.**

*NPRR882, Related to PGRR067, Re-powering Procedures*

**Mr. Greer moved to recommend approval of NPRR882 as amended by the 9/13/18 ERCOT comments. Mr. Varnell 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*

**Mr. Sams moved to recommend approval of NPRR884 as amended by the 10/11/18 ERCOT comments. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR892, Non-Spin Reserve Energy Floor Clarification*

**Mr. Sams moved to recommend approval of NPRR892 as amended by the 10/5/18 ERCOT comments. Mr. 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 recommend approval of NPRR893 as submitted. Mr. Downey seconded the motion. The motion carried unanimously.**

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

Market Participants discussed the merits of NPRR897, the 9/14/18 STEC comments, and then the 10/15/18 ROS comments. In response to Market Participant questions on limitations during severe weather events (i.e., tornados), Sandip Sharma stated that specificity on the form was related to fundamental design limitations, not potential severe weather events. Market Participants offered additional clarifications.

**Mr. Greer moved to recommend approval of NPRR897 as amended by the 10/15/18 ROS comments as revised by PRS. Mr. Downey seconded the motion. The motion carried with one abstention from the Municipal (DME) Market Segment.**

Review of Revision Request Language (see Key Documents)

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

**Mr. Greer moved to recommend approval of NPRR898 as submitted. Mr. Sams seconded the motion. The motion carried unanimously.**

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

Gibson Hull summarized the potential market improvements in NPRR899 for Municipally Owned Utilities (MOUs) and Electric Cooperatives (ECs) that are registered as Distribution Service Providers (DSPs) and/or Load Serving Entities (LSEs), including the cleanup of ambiguous language and providing the option to opt out of receiving Digital Certificates and eliminate the compliance obligation related to the annual Digital Certificate Audit Attestation (DCAA).

**Jennifer Robertson moved to recommend approval of NPRR899 as submitted. Mr. Wittmeyer seconded the motion. The motion carried with two abstentions from the Independent Power Marketer (IPM) (Tenaska) and IREP (Reliant) Market Segments.**

*NPRR900, Protocol Section 14 Language Review*

Market Participants discussed the merits of NPRR900 and requested additional review by the Retail Market Subcommittee (RMS).

**Mr. Sams moved to table NPRR900 and refer the issue to RMS. Mr. Haley seconded the motion. The motion carried unanimously.**

*NPRR901, Switchable Generation Resource Status Code*

**Mr. Greer moved to table NPRR901 and refer the issue to RMS and WMS. Katie Coleman seconded the motion. The motion carried unanimously.**

*NPRR902, ERCOT Critical Energy Infrastructure Information*

Jon Levine summarized NPRR902, proposed a potential timeline to allow Market Participants the opportunity to consider the impacts, and stated that ERCOT anticipates hosting a workshop for further vetting of the issues.

**Mr. Greer moved to table NPRR902. Mr. Sams seconded the motion. The motion carried unanimously.**

*NPRR903, Day-Ahead Market Timing Deviations*

Alfredo Moreno reviewed NPRR903. Market Participants expressed concern for the overly broad language, asked ERCOT Staff to develop a road map of the process and requested additional review by WMS.

**Mr. Greer moved to table NPRR903 and refer the issue to WMS. Mr. Downey seconded the motion. The motion carried unanimously.**

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

Mr. Sharma summarized System Change Request (SCR) 797 and stated that it will provide an automated solution for delivery of the IRRs’ Current Operating Plans (COPs) to a Transmission Service Provider (TSP). In response to Market Participant questions on the need for the information, Mr. Sharma stated it will improve the accuracy of TSPs’ operations planning activities, such as Outage scheduling, and avoid unnecessary operational issues in Real-Time.

**Mr. Greer moved to recommend approval of SCR797 as submitted. Blake Gross seconded the motion. The motion carried with one abstention from the IREP (Reliant) Market Segment.**

Resource Definition Task Force (RTF)

Mr. Wittmeyer reviewed recent RTF activities.

Other Business

*2019 Meeting Schedule*

Ms. Henson reviewed the proposed 2019 Meeting Schedule.

*2019 Membership/Segment Elections*

ERCOT Staff reminded Market Participants that the membership date of record is Friday, November 9, 2018 and stated that 2019 Segment Representative Elections would begin on Monday, November 12, 2018.

Adjournment

Ms. Henson adjourned the October 18, 2018 PRS meeting at 11:27 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2018/10/18/138512-PRS> unless otherwise noted [↑](#footnote-ref-1)