**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, August 15, 2019 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Lee, Jim | AEP Service Corporation | Alt. Rep. for B. Gross |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Mendoza, Albert | Occidental Chemical | Alt. Rep. for M. Trevino |
| Paff, Tom | Duke Energy | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for S. Day |

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| *Guests:* | |  | |  |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Baur, Sean | | Glide Path | | Via Teleconference |
| Benson, Mariah | | PUCT | | Via Teleconference |
| Bohan, Michael | | Tenaska Power Services | | Via Teleconference |
| Bruce, Mark | | Cratylus Advisors | |  |
| Bunch, Kevin | | EDF Energy Services | | Via Teleconference |
| Cochran, Seth | | DC Energy | |  |
| Coleman, Diana | | CPS Energy | |  |
| Coleman, Katie | | TIEC | |  |
| Cook, Tim | | CTT | | Via Teleconference |
| Cortez, Sarai | | Sharyland | |  |
| Daigneault, Ralph | | Potomac Economics | |  |
| Downey, Marty | | Electranet Power | |  |
| Dumas, John | | LCRA | | Via Teleconference |
| Harvey, Jenny | | KONEKTIV | | Via Teleconference |
| Johnson, Anthony | | CenterPoint Energy | |  |
| Jolly, Emily | | LCRA | |  |
| Juricek, Mike | | Oncor | | Via Teleconference |
| Khayat, Maribel | | CenterPoint Energy | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | | Via Teleconference |
| Loving, Alicia | | Austin Energy | | Via Teleconference |
| McKeever, Debbie | | Oncor | | Via Teleconference |
| Meneley, Amy | | LCRA | | Via Teleconference |
| Minchew, Christina | | WETT | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Pappu, Ajay | | Invenergy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rainwater, Kim | | Environmental Defense Fund | | Via Teleconference |
| Rehfeldt, Diana | | TNMP | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | | Via Teleconference |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Robertson, Jennifer | | LCRA | |  |
| Sams, Bryan | | Lone Star Transmission | |  |
| Scott, Kathy | | CenterPoint Energy | | Via Teleconference |
| Shaw, Marka | | Exelon | |  |
| Siddiqi, Shams | | Crescent Power | |  |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | |  |
| Smith, Chris | | Austin Energy | | Via Teleconference |
| Smyth, Scott | | DTRG Law | | Via Teleconference |
| Trenary, Michelle | Tenaska Power Services | | Via Teleconference | |
| True, Roy | ACES | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Vickery, Chris | Glide Path | | Via Teleconference | |
| Watson, Mark | SPGlobal | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | |  | |
| Whittle, Brandon | Calpine | |  | |
| Williams, Lori | Bryan Texas Utilities | | Via Teleconference | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Bethke, Ponda |  | | Via Teleconference | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Covington, Austin | |  | | Via Teleconference |
| Day, Betty | |  | | Via Teleconference |
| Gonzalez, Ino | |  | |  |
| Hanson, Kevin | |  | | Via Teleconference |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| House, Donald | |  | | Via Teleconference |
| Hughes, Lindsey | |  | | Via Teleconference |
| Hull, Gibson | |  | | Via Teleconference |
| Johnson, Erik | |  | | Via Teleconference |
| Kane, Erika | |  | | Via Teleconference |
| Kang, Sun Wook | |  | |  |
| Koepke, Joel | |  | | Via Teleconference |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Matevosjana, Julia | |  | |  |
| Mickey, Joel | |  | |  |
| Morehead, Juliana | |  | |  |
| Moreno, Alfredo | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Sharma, Sandip | |  | |  |
| Shanks, Magie | |  | | Via Teleconference |
| Shaw, Pam | |  | | Via Teleconference |
| Smith, Nathan | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | | Via Teleconference |
| Teixeira, Jay | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Tucker, Don | |  | | Via Teleconference |
| Wattles, Paul | |  | | Via Teleconference |
| Woodfin, Dan | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the August 15, 2019 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 17, 2019*

Market Participants offered clarifications to the July 17, 2019 meeting minutes.

**Jim Lee moved to approve the July 17, 2019 meeting minutes as revised by PRS. David Detelich seconded the motion. The motion carried with one abstention from the Consumer (OPUC) Market Segment.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson reported the disposition of Revision Requests considered at the July 24, 2019 TAC and August 13, 2019 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, reviewed the 2019 and 2020 release targets and 2019 project spending, summarized the aging items report, and presented the priority and rank options for Revision Requests requiring projects.

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

*Nodal Protocol Revision Request (NPRR) 936, CRR Account Holder Limits*

*System Change Request (SCR) 804, ERCOT GridGeo Access for Transmission Operators*

Market Participants noted the request for additional time to develop the Impact Analyses for NPRR936 and SCR804 as outlined in the respective 8/13/19 ERCOT comments.

**Sandy Morris moved to table NPRR936 and SCR804. Clayton Greer seconded the motion. The motion carried unanimously.**

*NPRR951, Active and Inactive SCED Constraint Reporting*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR951.

**Mr. Greer moved to endorse and forward to TAC the 7/17/19 PRS Report and Impact Analysis for NPRR951 with a recommended priority of 2020 and a rank of 2820. Bob Wittmeyer seconded the motion. The motion carried unanimously.**

*NPRR952, Use of Katy Hub for the Fuel Index Price*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR952.

**Mr. Greer moved to endorse and forward to TAC the 7/17/19 PRS Report and Impact Analysis for NPRR952 with a recommended priority of 2019 and a rank of 2780. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

*NPRR954, Allow Opt Out of 867 EPS Data*

**Mr. Greer moved to endorse and forward to TAC the 7/17/19 PRS Report and the Impact Analysis for NPRR954. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

*SCR803, Enhance Wind Integration Report and Create Solar Integration Report and Solar Dashboard*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for SCR803.

**Mr. Greer moved to endorse and forward to TAC the 7/17/19 PRS Report and Impact Analysis for SCR803 with a recommended priority of 2020 and a rank of 2830. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

*NPRR826, Mitigated Offer Caps for RMR Resources*

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

*NPRR903, Day-Ahead Market Timing Deviations*

*NPRR919, Exemption from Governor Primary Frequency Response Control for Certain Resources in Private Use Networks*

*NPRR933, Reporting of Demand Response by Retail Electric Providers and Non-Opt-In Entities*

*NPRR934, Advance Action Notice (AAN) and Clarify Process for Resource Outage Approval Withdrawal*

*NPRR937, Distribution Voltage Level Block Load Transfer (BLT) Deployment*

*NPRR938, Distribution Voltage Level Block Load Transfer (BLT) Compensation*

*NPRR946, Allow TDSPs to Use 814\_28, Complete Un-executable Transactions for 814\_03 Switch Transactions Involved In A Mass Transition Event*

*NPRR947, Clarification to Ancillary Service Supply Responsibility Definition and Improvements to Determining and Charging for Ancillary Service Failed Quantities*

*NPRR950, Switchable Generation Resources Providing Black Start Service*

*NPRR953, Addition of Relay Loadability Rating Definition*

*NPRR955, Define Limited Impact Remedial Action Scheme (RAS)*

*NPRR956, Designation of Providers of Transmission Additions*

*SCR800, Addition of DC Tie Ramp to GTBD Calculation*

PRS took no action on these items.

*NPRR849, Clarification of the Range of Voltage Set Points at a Generation Resource’s POI*

Caitlin Smith vocalized concerns with grandfathering issues and the use of “repower” in NPRR849 stating that comments would be forthcoming for the September PRS meeting. PRS took no action on this item.

*NPRR902, ERCOT Critical Energy Infrastructure Information*

Market Participants reviewed NPRR902, the 7/16/19 MSCGI comments, and the 8/7/19 Joint NOIE comments. Jon Levine stated discussions were continuing with interested parties and requested PRS continue to table NPRR902 for development of further clarifications. PRS took no action on this item.

*NPRR918, Validation Clarification for PTP Obligations with Links to an Option*

**Lucas Turner moved to recommend approval of NPRR918 as amended by the 8/6/19 Joint comments. Jennifer Robertson seconded the motion. The motion carried with two abstentions from the Independent Power Marketer (IPM) (Morgan Stanley) and Independent Retail Electric Provider (IREP) (Direct Energy) Market Segments.**

*NPRR928, Cybersecurity Incident Notification*

Market Participants reviewed NPRR928, the 7/17/19 ERCOT comments, the 8/9/19 Oncor comments and the 8/13/19 CNP comments. ERCOT Staff anticipated hosting an additional NPRR928 workshop in September 2019. Market Participants offered to develop additional clarifications. PRS took no action on this item.

*NPRR930, Weekly RUC Modifications for Forecasted Emergency Conditions*

Market Participants reviewed NPRR930, the 8/12/19 TIEC comments, and the 8/14/19 Joint comments and discussed the appropriate make whole methodology for Resources receiving an Outage Schedule Adjustment (OSA).

**Mr. Turner moved to recommend approval of NPRR930 as amended by the 8/14/19 Joint comments. Ms. Robertson seconded the motion.** Market Participants discussed the appropriate proxy Energy Offer Curve to balance the need for appropriate price signals. Market Participants offered clarifications to lower the offer floor for Resources from $7,500/MWh to $4,500/MWh.

**Albert Mendoza moved to amend the main motion to recommend approval of NPRR930 as amended by the 8/14/19 Joint comments as revised by PRS. Mr. Detelich seconded the motion. The motion to amend the main motion carried via roll call vote with seven opposing votes from the Cooperative (4) (Brazos, GSEC, LCRA, STEC), Independent Generator (Exelon), IPM (Morgan Stanley) and Municipal (DME) Market Segments, and three abstention from the Cooperative (PEC), Independent Generator (Luminant) and IREP (Just Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

**The motion to recommend approval of NPRR930 as amended by the 8/14/19 Joint comments as revised by PRS; and to forward NPRR930 to TAC carried via roll call vote with three abstentions from the Independent Generator (Exelon), IREP (Direct Energy), and Municipal (CPS) Market Segments.** *(Please see ballot posted with Key Documents.[[2]](#footnote-2))*

Ino Gonzalez provided an overview of the manual Settlement steps and timeline for Outages impacted by the NPRR930 changes.

*NPRR941, Create a Lower Rio Grande Valley Hub*

**Mr. Wittmeyer moved to recommend approval of NPRR941 as amended by the 8/6/19 DC Energy comments. Marty Downey seconded the motion. The motion carried with one abstention from the Consumer (Occidental Chemical) Market Segment.**

*NPRR945, Net Metering Requirements*

Katie Coleman stated that TIEC is developing further clarifications and requested PRS continue to table NPRR945. PRS took no action on this item.

Review of Revision Request Language (see Key Documents)

*NPRR957, RTF-4 Create Definition and Terms for Energy Storage*

Mr. Wittmeyer summarized NPRR957, discussions at recent Resource Definition Task Force (RTF) meetings, and the 8/2/19 Longhorn Power comments. Market Participants requested additional time to develop clarifications.

**Mr. Greer moved to table NPRR957 for one month. Bryan Sams seconded the motion. The motion carried unanimously.**

*NPRR958, Modifications to Wind and Solar Capacity Calculations in the CDR*

*NPRR959, Creation of a Panhandle Region for Calculation of Seasonal Peak Average Capacity Contributions for Wind*

In response to Market Participant questions, Connor Anderson confirmed the calculations in NPRR958 would be effective in December 2019.

**Mr. Greer moved to recommend approval of NPRR958 and NPRR959 as submitted. Bill Barnes seconded the motion. The motion carried unanimously.**

*NPRR960, Phased Approach and Clarifications for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve*

Sandip Sharma summarized NPRR960 and the 8/5/19 ERCOT comments.

**Mr. Greer moved to recommend approval of NPPR960 as amended by the 8/5/19 ERCOT comments. Mr. Downey seconded the motion. The motion carried with two abstentions from the Independent Generator (Luminant, Exelon) Market Segment.**

*NPRR961, Related to NOGRR194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides*

Market Participants reviewed NPRR961 and offered clarifications.

**Mr. Greer moved to recommend approval of NPRR961 as revised by PRS. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR962, Publish Approved DC Tie Schedules*

Market Participants reviewed NPRR962. Some Market Participants expressed concerns for confidentiality issues in publishing DC Tie Schedules.

**Mr. Greer moved to recommend approval of NPRR962 as submitted. Mr. Barnes seconded the motion. The motion carried with one abstention from the IPM (Tenaska) Market Segment.**

*NPRR963, Creation of Generation and Controllable Load Resource Group (GCLR Group)*

Michael Bohan summarized NPRR963. Market Participants discussed the need for additional considerations and clarifications regarding Settlements, metering, telemetry, naming conventions, performance measurement, and reliability operations and requested review of the issue by the Reliability Operations Subcommittee (ROS) and Wholesale Market Subcommittee (WMS).

**Mr. Greer moved to table NPRR963 and refer the issue to ROS and WMS. Mr. Downey seconded the motion. The motion carried unanimously.**

*NPRR964, Improvement of RMR Process and Removal of Synchronous Condenser Unit and Agreement*

Sun Wook Kang summarized NPRR964. Market Participants requested review of the issue by ROS and WMS.

**Mr. Barnes moved to table NPRR964 and refer the issue to ROS and WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

Mr. Wittmeyer reviewed RTF activities and encouraged Market Participants to attend the RTF meeting following the conclusion of the PRS meeting to discuss NPRR957.

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson announced that the September 17, 2019 TAC/TAC Subcommittee Structural and Procedural Review would be WebEx only and encouraged Market Participants to consider meeting efficiencies for PRS and RTF.

*2020 Meeting Schedule*

Market Participants reviewed the 2020 Meeting Calendar.

Adjournment

Ms. Henson adjourned the August 15, 2019 PRS meeting at 12:16 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2019/8/15/164996-PRS> unless otherwise noted [↑](#footnote-ref-1)
2. http://www.ercot.com/mktrules/issues/NPRR930 [↑](#footnote-ref-2)