**APPROVED Minutes**

**Protocol Revision Subcommittee (PRS) Meeting**

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

**Thursday, July 17, 2019 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Paff, Tom | Duke Energy | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for Smith Day |

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| --- | --- | --- | --- | --- |
| *Guests:* | |  | |  |
| Ainspan, Malcolm | | NRG | | Via Teleconference |
| Alford, Anthony | | CenterPoint Energy | | Via Teleconference |
| Boisseau, Heather | | LCRA | | Via Teleconference |
| Bryant, Mark | | PUCT | | Via Teleconference |
| Bunch, Kevin | | EDF Energy Services | | Via Teleconference |
| Checkley, Jim | | Cross Texas Transmission | |  |
| Cochran, Seth | | DC Energy | |  |
| Coleman, Diana | | CPS Energy | |  |
| Cortez, Sarai | | Sharyland | |  |
| Daigneault, Ralph | | Potomac Economics | |  |
| Dearizon, Maria | | CenterPoint Energy | | Via Teleconference |
| Downey, Marty | | Electranet Power | |  |
| Floyd, Rickey | | Oncor | |  |
| Goff, Eric | | CitiGroup | |  |
| Gregg, Michele | | Competitive Power | | Via Teleconference |
| Harvey, Julia | | Texas Electric Cooperatives | | Via Teleconference |
| Jolly, Emily | | LCRA | |  |
| Jones, Randy | | Mountaineer | | Via Teleconference |
| Khayat, Maribel | | CenterPoint Energy | | Via Teleconference |
| Lange, Clif | | South Texas Electric Cooperative | |  |
| Lee, Jim | | AEP | |  |
| Loving, Alicia | | Austin Energy | | Via Teleconference |
| Martin, Collin | | Oncor | | Via Teleconference |
| McKeever, Debbie | | Oncor | | Via Teleconference |
| Morris, Sandy | | Direct Energy | |  |
| Nguyen, Andy | | LCRA | |  |
| Ottaway, Cindy | | Cross Texas Transmission | | Via Teleconference |
| Pappu, Ajay | | Invenergy | | Via Teleconference |
| Powell, Christian | | Pedernales Electric Cooperative | |  |
| Rainwater, Kim | | Environmental Defense Fund | |  |
| Reader, Raborn | | Enterprise Products Co | |  |
| Reid, Michael | | Air Liquide | | Via Teleconference |
| Reid, Walter | | Advanced Power Alliance | | Via Teleconference |
| Ritch, John | | NextEra | |  |
| Rich, Katie | | Golden Spread Electric Cooperative | |  |
| Robertson, Jennifer | | LCRA | |  |
| Romero, Lara | | Aces Power | | Via Teleconference |
| Sams, Bryan | | Lone Star Transmission | |  |
| Scott, Kathy | | CenterPoint Energy | |  |
| Siddiqi, Shams | | Crescent Power | | Via Teleconference |
| Sithuraj, Murali | | Austin Energy | |  |
| Smith, Caitlin | | Invenergy | |  |
| Smith, Chris | | Austin Energy | | Via Teleconference |
| Smith, Mark | | Nucor | |  |
| Smyth, Scott | | DTRG Law | | Via Teleconference |
| Surendran, Resmi | | Shell Energy | | Via Teleconference |
| Thomas, Wayne | | Bryan Texas Utilities | |  |
| Tran, Diane | Texas Industrial Energy Consumers | |  | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Wall, Kim | Hansen Technologies | | Via Teleconference | |
| Whittington, Pam | Jewell and Associates | |  | |
| Younger, Joseph | Texas Reliability Entity | | Via Teleconference | |
|  |  | |  | |
| *ERCOT Staff* |  | |  | |
| Albracht, Brittney |  | |  | |
| Anderson, Connor |  | | Via Teleconference | |
| Anderson, Troy |  | |  | |
| Bernecker, John |  | | Via Teleconference | |
| Bethke, Ponda |  | | Via Teleconference | |
| Billo, Jeff |  | | Via Teleconference | |
| Blevins, Bill |  | |  | |
| Boren, Ann |  | |  | |
| Bracy, Phil | |  | |  |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Fohn, Doug | |  | | Via Teleconference |
| Gleason, Brandon | |  | |  |
| Gonzalez, Ino | |  | |  |
| Hamann, James | |  | | Via Teleconference |
| Hanson, Kevin | |  | |  |
| Hilliard, Marie | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| House, Donald | |  | | Via Teleconference |
| Huang, Fred | |  | | Via Teleconference |
| Jenkins, Darrell | |  | | Via Teleconference |
| Jin, Julie | |  | | Via Teleconference |
| Kane, Erika | |  | | Via Teleconference |
| Krein, Steve | |  | | Via Teleconference |
| Koepke, Joel | |  | |  |
| Levine, Jon | |  | |  |
| Mickey, Joel | |  | |  |
| Moreno, Alfredo | |  | |  |
| Patterson, Mark | |  | |  |
| Phillips, Cory | |  | |  |
| Rickerson, Woody | |  | |  |
| Rosel, Austin | |  | |  |
| Roberts, Randy | |  | | Via Teleconference |
| Ruane, Mark | |  | |  |
| Scott, Vickie | |  | | Via Teleconference |
| Sills, Alex | |  | | Via Teleconference |
| Solis, Stephen | |  | | Via Teleconference |
| Stice, Clayton | |  | |  |
| Teixeira, Jay | |  | | Via Teleconference |
| Thomas, Shane | |  | |  |
| Thompson, Chad | |  | |  |
| Troublefield, Jordan | |  | |  |
| Tucker, Don | |  | | Via Teleconference |
| Zeplin, Rachel | |  | |  |

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

Martha Henson called the July 17, 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)

*June 13, 2019*

**Blake Gross moved to approve the June 13, 2019 meeting minutes as submitted. Clayton Greer seconded the motion. The motion carried unanimously.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted that TAC and the ERCOT Board had not met since the June 13, 2019 PRS 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 2019 release targets and 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) 939, Modification to Load Resources Providing RRS to Maintain Minimum PRC on Generators During Scarcity Conditions*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR939. ERCOT Staff restated the benefits of maintaining a minimum of 500 Megawatts (MWs) of Physical Responsive Capability (PRC) from Generation Resources.

**Bill Barnes moved to endorse and forward to TAC the 6/13/19 PRS Report and the Impact Analysis for NPRR939 with a recommended priority of 2019 and rank of 2770. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR940, Removal of Language Related to NPRR664, Fuel Index Price for Resource Definition and Real-Time Make-Whole Payments for Exceptional Fuel Cost Events*

*NPRR942, Clarification of Revised Transaction Limit Posting*

*NPRR944, As Built Day-Ahead Market Energy Bid Curve Submission Validation*

**Mr. Barnes moved to endorse and forward to TAC the respective 6/13/19 PRS Reports and Impact Analyses for NPRR940, NPRR942, and NPRR944. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR943, Holiday Schedule Update*

*NPRR948, Instrument Transformer Testing Schedule and Removal of Reference to Fiber-Optic Current Transformers*

*System Change Request (SCR) 801, 867\_03 Final(s) Global Process ID Correction Request for IDR ESI ID(s) Posted to the 867 Activity Report*

**Mr. Greer moved to endorse and forward to TAC the respective 6/13/19 PRS Reports and Impact Analyses for NPRR943, NPRR948, and SCR801. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR949, January 1, 2023 Changes to EPS Meter Communications Path*

**Mr. Greer moved to endorse and forward to TAC the 6/13/19 PRS Report and Impact Analysis for NPRR949, with a recommended effective date of January 1, 2023. Marty Downey seconded the motion. The motion carried unanimously.**

*SCR802, Enhance Communications of System Inertia*

Market Participants reviewed the benefits of SCR802 and discussed the desired timeline for implementation in order to determine an appropriate priority and rank.

**Mr. Barnes moved to endorse and forward to TAC the 6/13/19 PRS Report and the Impact Analysis for SCR802 with a recommended priority of 2020 and rank of 2810. Mr. Greer seconded the motion. The motion carried unanimously.**

Revision Requests Tabled at PRS (see Key Documents)

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

*NPRR903, Day-Ahead Market Timing Deviations*

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

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

*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*

*NPRR941, Create a Lower Rio Grande Valley Hub*

*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*

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

PRS took no action on these items.

*NPRR826, Mitigated Offer Caps for RMR Resources*

Market Participants reviewed NPRR826, the 6/27/19 Reliant comments and 7/16/19 ERCOT comments, discussed the methodology for determining the appropriate Shift Factor threshold that would require TAC consideration, and requested additional time for further clarifications. PRS took no action on this item.

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

NPRR849, the 7/11/19 ROS comments, 7/16/19 ERCOT comments and repower issues were discussed. Market Participants and ERCOT Staff requested additional time for further clarifications. PRS took no action on this item.

*NPRR902, ERCOT Critical Energy Infrastructure Information*

NPRR902, the 7/8/19 ERCOT comments and 7/16/19 MSCGI comments were reviewed. Market Participants discussed efficiencies in creating a separate Digital Certificate permission level for ERCOT Critical Energy Infrastructure Information (ECEII) and whether or not ERCOT should have sole discretion as to what qualifies as ECEII information. PRS took no action on this item.

*NPRR928, Cybersecurity Incident Notification*

Brandon Gleason summarized discussions at the June 25, 2019 NPRR928 Workshop, reviewed the 7/17/19 ERCOT comments, and requested Market Participants file comments regarding NPRR928 by August 9, 2019 to be considered for an additional workshop. PRS took no action on this item.

*NPRR930, Weekly RUC Modifications for Forecasted Emergency Conditions*

NPRR930, the 6/24/19 Joint comments, 7/1/19 Reliant comments, 7/12/19 ERCOT comments, 7/12/19 LCRA comment and 7/15/19 STEC comments were reviewed. Woody Rickerson encouraged Market Participants to consider the complexity proposed in various comments and noted that the rules need to be operational, be consistent with North American Electric Reliability Corporation (NERC) rules, and foster reliability. Mr. Rickerson stated the Outage definitions may need clarifications and noted revisions in the Outage acceptance process should be considered. Market Participants were concerned with prolonging implementation of NPRR930 due to the upcoming Outage season. ERCOT Staff offered to host a NPRR930 WebEx to further vet the issues. PRS took no action on this item.

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

Mark Patterson summarized discussion at the July 15, 2019 REP/NOIE Demand Response Survey Workshop and requested PRS continue to table NPRR933 until completion of the 2019 data collection process and further clarifications for NPRR933 are developed. PRS took no action on this item.

*NPRR936, CRR Account Holder Limits*

ERCOT Staff presented revisions for PRS consideration. Market Participants requested TAC consider setting the new Counter-Party limit to be equal to three times the current Congestion Revenue Right (CRR) Account Holder limit upon system implementation of NPRR936.

**Mr. Greer moved to recommend approval of NPRR936 as revised by PRS. Ian Haley seconded the motion. The motion carried unanimously.**

*NPRR945, Net Metering Requirements*

NPRR945, 7/2/19 STEC comments and Metering Working Group discussions on the definition of Point of Interconnection (POI) were summarized. Diane Tran stated 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)

*NPRR950, Switchable Generation Resources Providing Black Start Service*

ERCOT Staff reviewed NPRR950. Some Market Participants expressed concern for whether the solution to ensuring availability of Switchable Generation Resources (SWGRs) providing Black Start Service (BSS) should be handled via an NPRR or within the Black Start Agreements themselves and requested additional review of the issue by the Reliability and Operations Subcommittee (ROS).

**Mr. Barnes moved to table NPRR950 and refer the issue to ROS. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR951, Active and Inactive SCED Constraint Reporting*

**Mr. Greer moved to recommend approval of NPRR951 as submitted. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

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

**Mr. Wittmeyer moved to recommend approval of NPRR952 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR953, Addition of Relay Loadability Rating Definition*

ERCOT Staff summarized NPRR953. Market Participants expressed concern for the definition of Relay Loadability Rating as proposed in NPRR953, and its impacts to modeling and operations, and requested additional review of the issues by the System Protection Working Group (SPWG).

**Mr. Greer moved to table NPRR953 and refer the issue to ROS. Mr. Barnes seconded the motion. The motion carried unanimously.**

*NPRR954, Allow Opt Out of 867 EPS Data*

**Mr. Barnes moved to recommend approval of NPRR954 as submitted. Mr. Greer seconded the motion. The motion carried unanimously.**

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

ERCOT Staff summarized NPRR955 and the related Nodal Operating Guide Revision Request (NOGRR) 183, Remedial Action Scheme (RAS) Submittal and Review Requirements. Market Participants requested ROS consider NPRR955 with NOGRR183.

**Mr. Greer moved to table NPRR955 and refer the issue to ROS. David Detelich seconded the motion. The motion carried unanimously.**

*NPRR956, Designation of Providers of Transmission Additions*

**Mr. Greer moved to table NPRR956. Mr. Gross seconded the motion. The motion carried unanimously.**

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

Market Participants reviewed SCR803 and proposed additional language to add solar data to the existing Real-Time System Conditions dashboard on the ERCOT website.

**Mr. Greer moved to recommend approval of SCR803 as revised by PRS. Mr. Wittmeyer seconded the motion. The motion carried unanimously.**

*SCR804, ERCOT GridGeo Access for Transmission Operators*

**Mr. Goff moved to recommend approval of SCR804 as submitted. Mr. Barnes seconded the motion. The motion carried unanimously.**

Resource Definition Task Force (RTF)

*Leadership Co-Chairs: Bob Wittmeyer and Jay Teixeira*

Ms. Henson reviewed the RTF Leadership term and nomination process.

**Mr. Haley moved to approve 2019 RTF Leadership as submitted. Mr. Detelich seconded the motion. The motion carried unanimously.**

Mr. Wittmeyer noted that RTF did not meet in June 2019, encouraged Market Participants to attend the RTF meeting following the conclusion of the PRS meeting to discuss Controllable Load and Energy Storage Resources, and requested PRS direction on the Resource definition regarding Generators. Market Participants noted the purpose of RTF is resolve confusion and requested RTF consider all Generators, including those that are not Resources, such as Settlement Only Generators (SOGs) within RTF scope.

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson noted the annual TAC/TAC Subcommittee Structural and Procedural Review meeting is anticipated for September 2019 and encouraged Market Participants to consider meeting efficiencies for PRS and RTF.

Adjournment

Ms. Henson adjourned the July 17, 2019 PRS meeting at 12:24 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2019/7/17/164987-PRS unless otherwise noted [↑](#footnote-ref-1)