**DRAFT**

**Minutes of the Protocol Revision Subcommittee (PRS) Meeting**

**Webex Only**

**Thursday, October 15, 2020 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Mindham, David | EDP Renewables |  |
| Morris, Sandy | Direct Energy |  |
| Smith, Day | Denton Municipal Electric |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Alford, Anthony | CenterPoint Energy |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Barksdale, English | PUCT |  |
| Bennett, Stacie | Lone Star Transmission |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blakey, Eric | Just Energy |  |
| Bruce, Mark | Cratylus Advisors |  |
| Bruns, Scott | Direct Energy |  |
| Bunch, Kevin | EDF Trading |  |
| Cochran, Seth | DC Energy |  |
| Coleman, Katie  | TIEC |  |
| Cortez, Sarai | Sharyland |  |
| Coutas, Ann | Enel |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Daigneault, Ralph | Potomac Economics |  |
| Downey, Martin |   |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Dumas, John | LCRA |  |
| Fernandes, John | Customized Energy Solutions |  |
| Fogarty, Audrey | Jupiter Power  |  |
| Goff, Eric |  |  |
| Harvey, Julia | Texas Electric Cooperative |  |
| Helton, Bob | ENGIE |  |
| Huynh, Thuy | Potomac Economics |  |
| Jewell, Michael | Jewell and Associates |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Jolly, Emily | LCRA |  |
| Jones, Liz | Oncor |  |
| Kee, David | CPS Energy |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lee, Jim | AEP TX |  |
| Marquis, Caitlin | TAEBA |  |
| Mathew, Shirley | Austin Energy |  |
| McCamant, Frank | McCamant Consulting |  |
| McClellan, Suzi | Good Company and Associates |  |
| McKeever, Debbie | Oncor |  |
| Musher, Danny | Key Capture Energy |  |
| Nguyen, Andy | LCRA |  |
| Peters, Patrick | CenterPoint Energy |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | LCRA |  |
| Reed, Cyrus | Sierra Club |  |
| Reedy, Steve | Potomac Economics |  |
| Reid, Walter | Advanced Power Alliance |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Richmond, Michele | TCPA |  |
| Ritch, John | NextEra Energy |  |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CenterPoint Energy |  |
| Sharma Frank, Arushi | Tesla |  |
| Siddiqi, Shams | Crescent Power  |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Surendran, Resmi | Shell Energy |  |
| Tran, Diane | TIEC |  |
| Van Zee, Katie | Texas Reliability Entity |  |
| Velasquez, Ivan | Oncor |  |
| Watson, Mark | SP Global |  |
| Welborn, Laura | Jupiter Power |  |
| White, Lauri | AEP Service Corporation |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Bigbee, Nathan |  |  |
| Boren, Ann |  |  |
| Boswell, Bill |  |  |
| Bracy, Phil  |   |  |
| Castillo, Leo |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Fohn, Douglas |  |  |
| Ganjoo, Shalesh |  |  |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  |  |
| Hobbs, Kristi |  |  |
| House, Donald |  |  |
| Huang, Fred |  |  |
| Hughes, Lindsey |  |  |
| Hull, Gibson |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Lasher, Warren |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Matevosyan, Julia |  |  |
| Maul, Donald |  |  |
| Mereness, Matt |  |  |
| Miller, Megan |  |  |
| Morehead, Juliana |  |  |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Schmall, John |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Solis, Stephen |  |  |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Thompson, Chad |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Warnken, Pete |  |  |
| Wattles, Paul |  |  |
| Xiao, Hong |  |  |
| Zeplin, Rachel |  |  |

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

Martha Henson called the October 15, 2020 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 10, 2020*

Market Participants reviewed September 10, 2020 PRS Meeting Minutes. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Technical Advisory Committee (TAC) and Board Reports

Ms. Henson reported the disposition of items considered at the September 23, 2020 TAC meeting and the October 13, 2020 Urgent Board of Directors 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 and reviewed the 2020 and 2021 release targets and 2020 project spending forecasts. Mr. Anderson summarized the October 2020 start for two Battery Energy Storage (BES) and Distributed Generation Resource (DGR) Pre-Passport projects, Combo Model and DGR/Distribution Energy Storage Resources (DESRs) implementation strategies, and stated the target go-live dates are in development. In response to Market Participant questions, Mr. Anderson reviewed the prioritization process for Revision Requests on the Prioritization List. Market Participants expressed support for implementing NPRR1006, Update Real-Time On-Line Reliability Deployment Price Adder Inputs to Match Actual Data with the project for NPRR904, Revisions to Real-Time On-Line Reliability Deployment Price Adder for ERCOT-Directed Actions Related to DC Ties and to Correct Design Flaws, to combine efficiencies and have implemented prior to summer 2021. Mr. Anderson offered to provide an update at the November 11, 2020 PRS meeting. Mr. Anderson 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) 945, Net Metering Requirements*

Market Participants and ERCOT Staff discussed the definition of “operational” and offered clarifications to paragraph (7) of Section 10.3.2.3, Generation Netting for ERCOT-Polled Settlement Meters. Market Participants reviewed the implementation timeline and the Impact Analysis and discussed the appropriate priority and rank for NPRR945.

**Bill Barnes moved to endorse and forward to TAC the 9/10/20 PRS Report, as revised by PRS, and Impact Analysis for NPRR945 with a recommended effective date of upon system implementation for paragraph (7) of Section 10.3.2.3 with a recommended priority of 2021 and rank of 3270; and January 1, 2021 for all remaining language. Melissa Trevino seconded the motion. The motion carried via roll call ballot with three objections from the Cooperative (2) (Brazos, GSEC) and Independent Generator (Luminant) Market Segments, and four abstentions from the Cooperative (2) (Pedernales, STEC), Independent Generator (Calpine), and Independent Power Marketer (IPM) (Morgan Stanley) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1028, RUC Process Alignment with Resource Limits*

Market Participants reviewed the 10/6/20 ERCOT comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1031, Notices for Curtailment of Load*

Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1032, Consideration of Physical Limits of DC Ties in RUC Optimization and Settlements*

Market Participants reviewed the Impact Analysis and discussed the appropriate priority and rank for NPRR1032. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1041, Adjust Expiration of Protected Information Status for Wholesale Storage Load (WSL) Data*

Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*System Change Request (SCR) 812, Create Intermittent Renewable Generation Integration Report*

ERCOT Staff provided an example version of the proposed Intermittent Renewable Generation Integration Report. Market Participants reviewed the Impact Analysis and discussed the appropriate priority and rank for SCR812. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Revision Requests Tabled at PRS (see Key Documents)

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols*

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR994, Clarify Generator Interconnection Neutral Project Classification*

*NPRR995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage*

*NPRR1017, Management of Congestion Revenue Rights (CRRs) and Resource Node Removals*

*NPRR1023, Change to CRR Repossession Process*

*NPRR1024, Determination of Significance with Respect to Price Correction*

*NPRR1034, Frequency-Based Limits on DC Tie Imports or Exports*

*NPRR1040, Compliance Metrics for Ancillary Service Supply Responsibility*

PRS took no action on these items.

*NPRR1001, Clarification of Definitions of Operating Condition Notice, Advisory, Watch, Emergency Notice, and Related Clarifications*

Market Participants reviewed NPRR1001, the 9/2/20 ERCOT comments and 9/8/20 ROS comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB)*

Market Participants discussed potential clarifications to paragraph (12) of Section 3.10.7.2 Modeling of Resources and Transmission Loads. Jay Teixeira offered to provide clarifications in advance of the November 11, 2020 PRS meeting. ROS took no action on this item.

*NPRR1007, RTC – NP 3: Management Activities for the ERCOT System*

*NPRR1008, RTC – NP 4: Day-Ahead Operations*

*NPRR1009, RTC – NP 5: Transmission Security Analysis and Reliability Unit Commitment*

*NPRR1010, RTC – NP 6: Adjustment Period and Real-Time Operations*

*NPRR1011, RTC – NP 8: Performance Monitoring*

*NPRR1012, RTC – NP 9: Settlement and Billing*

*NPRR1013, RTC – NP 1, 2, 16, and 25: Overview, Definitions and Acronyms, Registration and Qualification of Market Participants, and Market Suspension and Restart*

*NPRR1014, BESTF-4 Energy Storage Resource Single Model*

*NPRR1029, BESTF-6 DC-Coupled Resources*

Matt Mereness presented the Real-Time Co-optimization Task Force (RTCTF) Revision Request summary, reviewed the timeline, and summarized the next steps for NPRRs 1007 through 1014, and 1029. Mr. Mereness noted that ERCOT will request Urgent status and consideration for these items at the November 11, 2020 PRS meeting so that they can remain on a timeline to be considered at the December 8, 2020 Urgent Board of Directors meeting. Market Participants discussed NPRR1014, the 10/8/20 Joint Commenters comments, 10/8/20 TAEBA comments, 10/9/20 Broad Reach Power and Tesla comments, and 10/9/20 Sierra Club comments. ERCOT Staff summarized discussions at previous Battery Energy Storage Task Force (BESTF) meetings. **Ian Haley moved to recommend approval of NPRR1014 as amended by the 9/8/20 ERCOT comments**. ERCOT Staff requested additional time to offer clarifications to NPRR1014. Mr. Haley withdrew his motion. PRS took no action on these items.

*NPRR1026, BESTF-7 Self-Limiting Facilities and Self-Limiting Resources*

Sandip Sharma summarized NPRR1026 and the 9/22/20 ERCOT comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1039, Replace the Term MIS Public Area with ERCOT Website*

Douglas Fohn summarized NPRR1039 and the 10/13/20 ERCOT comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1042, Planned Capacity Adjustment in the Report on Capacity, Demand and Reserves in the ERCOT Region*

Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Review of Revision Request Language (see Key Documents)

*NPRR1043, Clarification of NPRR986 Language Related to Wholesale Storage Load*

Mr. Sharma summarized NPRR1043 and previous discussions at the BESTF meetings. Market Participants expressed support for using 15% as the default auxiliary Load percentage. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1044, Enhancement of SSR Mitigation Requirement*

ERCOT Staff summarized NPRR1044. Market Participants discussed the enhanced requirements and requested ERCOT provide additional examples from studies or system observations to justify them, and requested review of the issues by the Reliability Operations Subcommittee (ROS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1045, Transmission Operator Definition and Designation*

Mr. Fohn summarized NPRR1045. Market Participants discussed NPRR1045, noted that some Market Participants may require time to review current contracts prior to implementation of this NPRR, and requested review of the issues by ROS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1046, Additional Revisions to Remove Dynamically Scheduled Resource (DSR) from the Protocols*

*NPRR1047, Consolidate Greybox re NPRR973 and NPRR1016*

ERCOT Staff summarized NPRR1046 and NPRR1047. Ms. Henson noted these items could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Mr. Haley moved to approve the Combined Ballot as follows:**

* **To approve the September 10, 2020 PRS meeting minutes as presented**
* **To endorse and forward to TAC the 9/10/20 PRS Report as amended by the 10/6/20 ERCOT comments and Impact Analysis for NPRR1028**
* **To endorse and forward to TAC the 9/10/20 PRS Report and Impact Analysis for NPRR1031**
* **To endorse and forward to TAC the 9/10/20 PRS Report and Impact Analysis for NPRR1032 with a recommended priority of 2021 and rank of 3260**
* **To endorse and forward to TAC the 9/10/20 PRS Report and Impact Analysis for NPRR1041**
* **To endorse and forward to TAC the 9/10/20 PRS Report and Impact Analysis for SCR812 with a recommended priority of 2021 and rank of 3250**
* **To recommend approval of NPRR1001 as amended by the 9/2/20 ERCOT comments**
* **To recommend approval of NPRR1026 as amended by the 9/22/20 ERCOT comments**
* **To recommend approval of NPRR1039 as amended by the 10/13/20 ERCOT comments**
* **To recommend approval of NPRR1042 as submitted**
* **To recommend approval of NPRR1043 as submitted**
* **To table NPRR1044 and refer the issue to ROS**
* **to table NPRR1045 and refer the issue to ROS**
* **To recommend approval of NPRR1046 as submitted**
* **To recommend approval of NPRR1047 as submitted**

**Shawnee Claiborn-Pinto seconded the motion. The motion carried unanimously via roll call vote.** *(Please see ballot posted with Key Documents.)*

Other Business

*2021 Membership/Segment Elections*

Suzy Clifton reminded Market Participants that the membership date of record is Friday, November 6, 2020, highlighted changes in membership and fee submittal due to COVID19 restrictions, and stated that 2021 Segment Representative Elections would begin on Monday, November 9, 2020.

Adjournment

Ms. Henson adjourned the October 15, 2020 PRS meeting at 12:40 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2020/10/15/188394-PRS unless otherwise noted [↑](#footnote-ref-1)