**APPROVED**

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

**Webex Only**

**Thursday, November 11, 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 |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
| Wittmeyer, Bob | Denton Municipal Electric | Alt. Rep. for Smith Day |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Alford, Anthony | CenterPoint Energy |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Basaran, Harika | PUCT |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blackburn, Don | HUNT |  |
| Blakey, Eric | Just Energy |  |
| Blue, Greg | Broad Reach Power |  |
| Bonskowski, Ned | Vistra Energy |  |
| Bruce, Mark | Cratylus Advisors |  |
| Bunch, Kevin | EDF Trading |  |
| Burke, Tom | Invenergy |  |
| Burnett, Ben | CenterPoint Energy |  |
| Coleman, Katie  | TIEC |  |
| Cortez, Sarai | Sharyland |  |
| Coultas, Ann | Enel |  |
| Crouch, Rebekah | NBU Texas  |  |
| Daigneault, Ralph | Potomac Economics |  |
| Detelich, David | CPS Energy |  |
| Downey, Marty |   |  |
| Fernandes, John | Customized Energy Solutions |  |
| Fogarty, Audrey | Jupiter Power  |  |
| Franklin, Russell | Garland Power & Light  |  |
| Goff, Eric |  |  |
| Harvey, Julia | Texas Electric Cooperative |  |
| Helton, Bob | ENGIE |  |
| Hithersay, Brian | Brazos Electric Cooperative |  |
| Huynh, Thuy | Potomac Economics |  |
| Jewell, Michael | Jewell and Associates |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Jolly, Emily | LCRA |  |
| Kee, David | CPS Energy |  |
| Khayat, Maribel | CenterPoint Energy |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lee, Jim | AEP TX |  |
| Loving, Alicia | Austin Energy |  |
| Loyferman, Larisa | CenterPoint Energy |  |
| McCamant, Frank | McCamant Consulting |  |
| McKeever, Debbie | Oncor |  |
| Mendoza, Albert | Oxy |  |
| Musher, Danny | Key Capture Energy |  |
| Nguyen, Andy | LCRA |  |
| Peters, Patrick | CenterPoint Energy |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | LCRA |  |
| Reader, Raborn | Enterprise Productions |  |
| Reed, Cyrus | Sierra Club |  |
| Reedy, Steve | Potomac Economics |  |
| Reid, Walter | Advanced Power Alliance |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Richmond, Michele | TCPA |  |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CenterPoint Energy |  |
| Sharma Frank, Arushi | Tesla |  |
| Shumate, Walt |  |  |
| Siddiqi, Shams | Crescent Power  |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Smith, Christopher | Austin Energy |  |
| Smith, Mark | Nucor |  |
| Surendran, Resmi | Shell Energy |  |
| Thompson, David | Pedernales Electric Cooperative |  |
| Tran, Diane | TIEC |  |
| Troy, Roy | ACES Power |  |
| Velasquez, Ivan | Oncor |  |
| Villasana, Kristi | NBU |  |
| Watson, Mark | SP Global |  |
| Zerwas, Rebecca | PUCT |  |
| *ERCOT Staff* |  |  |
| Adadjo, Fred |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Ayson, Janice |  |  |
| Bigbee, Nathan |  |  |
| Billo, Jeff |  |  |
| Blevins, Bill  |  |  |
| Boren, Ann |  |  |
| Boswell, Bill |  |  |
| Bracy, Phil  |   |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Fohn, Douglas |  |  |
| Ganjoo, Shalesh |  |  |
| Gonzalez, Ino |  |  |
| Hobbs, Kristi |  |  |
| Hughes, Lindsey |  |  |
| Hui, Hailong |  |  |
| Hull, Gibson |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Lasher, Warren |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Mereness, Matt |  |  |
| Morehead, Juliana |  |  |
| Moreno, Alfredo |  |  |
| Ögelman, Kenan |  |  |
| Orr, Rob |  |  |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Rickerson, Woody |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Warnken, Pete |  |  |
| Wattles, Paul |  |  |
| Young, Matthew |  |  |
| Zhang, Wen |  |  |
| Zeplin, Rachel |  |  |

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

Martha Henson called the November 11, 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)

*October 15, 2020*

Market Participants reviewed October 15, 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 October 28, 2020 TAC meeting.

Real-Time Co-optimization Task Force (RTCTF) and Passport Update to PRS (see Key Documents)

Matt Mereness presented the RTCTF Revision Request summary, reviewed the harmonizing of RTC and Battery Energy Storage (BES) concepts, and summarized the next steps for Nodal Protocol Revision Requests (NPRRs) 1007 through 1014, and 1029, including the request for Urgent status and consideration at the November 11, 2020 PRS meetings to advance to the December 8, 2020 Urgent Board of Directors meeting to align with ERCOT’s Passport program timeline.

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 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 still in development. Market Participants requested monthly updates on these items. Mr. Anderson noted that the Release Date for System Change Request (SCR) 804 has been moved to Release 6 in 2020, and may be at risk for moving to Release 1 in 2021. Mr. Anderson stated that as requested by Market Participants at the October 15, 2020 PRS meeting, ERCOT has moved 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 presented the priority and rank options for Revision Requests requiring projects

Urgency Vote(s) — Waive Notice

*NPRR1055, Market Notice and ERCOT Discretion re Late-Filed NOIE Eligibility Attestations for PTP Obligations with Links to an Option Bid Awards*

Market Participants discussed the need to waive notice to consider NPRR1055.

**Shawnee Claiborn-Pinto moved to waive notice for NPRR1055. Bob Wittmeyer seconded the motion. The motion carried via roll call vote with four abstentions from the Independent Generator (2) (Luminant, Calpine), Independent Power Marketer (IPM) (Morgan Stanley) and Independent Retail Electric Provider (IREP) (Direct Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

Kenan Ögelman summarized the request for Urgent status for NPRR1055 in consideration of the implementation timeline for it and NPRR929, PTP Obligations with Links to an Option DAM Award Eligibility, and potential updates to ERCOT systems prior to the end of 2020. Some Market Participants expressed concern for the precedent set by NPRR1055 for exemption from Protocol deadlines, and the potential to unevenly apply “good cause” in determining an exemption. Other Market Participants expressed a general objection to special treatment for specific Market Segments. Mr. Ögelman noted that various exemptions are granted where ERCOT has discretion, and that NPRR1055 is a timely effort to be transparent in affording ERCOT a particular discretion in 2020. Market Participants offered clarifications to NPRR1055.

**Mr. Wittmeyer moved to grant NPRR1055 Urgent status; to recommend approval of NPRR1055 as revised by PRS, and to forward to TAC NPRR1055 and the Impact Analysis. Bill Barnes seconded the motion. The motion carried via roll call vote with two objections from the Independent Generator (Luminant) and IPM (Morgan Stanley) Market Segments, and four abstentions from the Independent Generator (2) (Key Capture Energy, Calpine), IPM (Tenaska) and IREP (Direct Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

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

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

*NPRR1026, BESTF-7 Self-Limiting Facilities*

Market Participants reviewed the Impact Analysis, recommended priority and rank, and Business case for NPRR1026. 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*

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

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

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

*NPRR1047, Consolidate Greybox re NPRR973 and NPRR1016*

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

*Planning Guide Revision Request (PGRR) 082, Revise Section 5 and Establish Small Generation Interconnection Process (Waive Notice)*

Market Participants noted the need to waive notice to consider PGRR082 and reviewed the Impact Analysis and the Reliability and Operations Subcommittee (ROS) recommended priority and rank for PGRR082. 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*

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

*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*

*NPRR1040, Compliance Metrics for Ancillary Service Supply Responsibility*

*NPRR1044, Enhancement of SSR Mitigation Requirement*

*NPRR1045, Transmission Operator Definition and Designation*

PRS took no action on these items.

*NPRR994, Clarify Generator Interconnection Neutral Project Classification*

Market Participants reviewed NPRR994, the 6/8/20 ROS comments and 11/6/20 WMS comments.

**Ian Haley moved to recommend approval of NPRR994 as amended by the 4/15/20 ERCOT comments. Mr. Barnes seconded the motion. The motion carried via roll call vote with two objections from the Independent Generator (EDP Renewables) and IPM (Morgan Stanley) Market Segments and four abstentions from the Independent Generator (3) (ENGIE, Broad Reach, Enel Green Power) and IPM (Tenaska) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

Market Participants reviewed NPRR995 and the 11/6/20 WMS Comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*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*

*NPRR1029, BESTF-6 DC-Coupled Resources*

Market Participants reviewed NPRRs 1007 through 1013, and NPRR1029, the associated 10/23/20 ERCOT comments and Impact Analyses, and discussed the appropriate priority and rank for the RTC project. Ms. Henson noted these items could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

Ms. Henson summarized the October 15, 2020 PRS discussion on NPRR1014. Sandip Sharma reviewed the 10/27/20 ERCOT comments. Danny Musher reviewed the 11/10/20 Joint Commenters comments. Market Participants proposed additional edits to Section 4.4.7.2, Ancillary Service Offers to maintain consistency with NPRR1008, RTC–NP 4: Day-Ahead Operations; and considered the appropriate priority and rank for NPRR1014.

**Mr. Haley moved to grant NPRR1014 Urgent status; to recommend approval of NPRR1014 as amended by the 10/27/20 ERCOT comments as revised by PRS; and to forward to TAC NPRR1014 and the Impact Analysis with a recommended priority of 2020 and rank of 3015. Clayton Greer seconded the motion. The motion carried via roll call vote with six objections from the Independent Generator (5) (Broad Reach Power, Enel Green Power, Key Capture Energy, Tesla, EDP Renewables) and Municipal (CPS Energy) Market Segments and seven abstentions from the Consumer (Sierra Club), Cooperative (LCRA), Independent Generator (ENGIE), (IPM) (Tenaska), (IREP) (Reliant Energy), and Municipal (2) (DME, Austin Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

Market Participants reviewed NPRR1034 and the 11/9/20 ROS comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Review of Revision Request Language (see Key Documents)

*NPRR1048, Clarification on NPRR978 Short-Term Adequacy Reports*

Market Participants reviewed NPRR1048. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1049, Management of DC Tie Load Zone Modifications*

Mr. Sharma summarized NPRR1049. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1050, Change to the Summer Commercial Operations Date Deadline for Including Planned Generation Capacity in Reports on the Capacity, Demand and Reserves in the ERCOT Region*

Pete Warnken summarized NPRR1050. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1051, Removal of the Price Floor Applied to Day-Ahead Settlement Point Prices*

Alfredo Moreno summarized NPRR1051. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1052, Load Zone Pricing for Settlement Only Storage Prior to NPRR995 Implementation*

Mr. Sharma summarized NPRR1052. Ms. Henson noted this item 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 October 15, 2020 PRS meeting minutes as presented**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1001**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1026 with a recommended priority of 2020 and rank of 3010**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1039**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1042**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1043**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1046**
* **To endorse and forward to TAC the 10/15/20 PRS Report and Impact Analysis for NPRR1047**
* **To waive notice for PGRR082; to endorse the ROS recommended priority of 2020 and rank of 3070 for PGRR082**
* **To recommend approval of NPRR995 as amended by the 10/28/20 ERCOT comments**
* **To grant NPRR1007 Urgent status; to recommend approval of NPRR1007 as amended by the 10/23/20 ERCOT comments; and to forward to TAC NPRR1007 and the Impact Analysis with a recommended priority of 2020 and rank of 235**
* **To grant NPRR1008 Urgent status; to recommend approval of NPRR1008 as amended by the 10/23/20 ERCOT comments as revised by PRS; and to forward to TAC NPRR1008 and the Impact Analysis**
* **To grant NPRR1009 Urgent status; to recommend approval of NPRR1009 as amended by the 10/23/20 ERCOT comments; and to forward to TAC NPRR1009 and the Impact Analysis**
* **To grant NPRR1010 Urgent status; to recommend approval of NPRR1010 as amended by the 10/23/20 ERCOT comments; and to forward to TAC NPRR1010 and the Impact Analysis**
* **To grant NPRR1011 Urgent status; to recommend approval of NPRR1011 as amended by the 10/23/20 ERCOT comments; and to forward to TAC NPRR1011 and the Impact Analysis**
* **To grant NPRR1012 Urgent status; to recommend approval of NPRR1012 as amended by the 8/18/20 ERCOT comments; and to forward to TAC NPRR1012 and the Impact Analysis**
* **To grant NPRR1013 Urgent status; to recommend approval of NPRR1013 as amended by the 10/23/20 ERCOT comments; and to forward to TAC NPRR1013 and the Impact Analysis**
* **To grant NPRR1029 Urgent status; to recommend approval of NPRR1029 as amended by the 10/30/20 ERCOT comments; and forward to TAC NPRR1029 and the Impact Analysis with a recommended priority of 2020 and rank of 3015**
* **To recommend approval of NPRR1034 as amended by the 10/22/20 SCT comments**
* **To recommend approval of NPRR1048 as submitted**
* **To recommend approval of NPRR1049 as submitted**
* **To recommend approval of NPRR1050 as submitted**
* **To recommend approval of NPRR1051 as submitted**
* **To recommend approval of NPRR1052 as submitted**

**Mr. Greer seconded the motion. The motion carried unanimously via roll call vote.** *(Please see ballot posted with Key Documents.)*

Other Business

*Draft Report NPRR945*

Bill Blevins presented an example version of the report that will identify all Transmission Generation Resources and Settlement Only Generators (SOGs) that are registered as part of a Private Use Network, and noted the potential to include the real power rating in Megawatts (MWs) along with the nameplate values. Mr. Blevins stated the report would be posted monthly on the Market Information System (MIS) public site.

Adjournment

Ms. Henson adjourned the November 11, 2020 PRS meeting at 12:20p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2020/11/11/188398-PRS> unless otherwise noted [↑](#footnote-ref-1)