**APPROVED**

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

**Webex Only**

**Thursday, January 14, 2021 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Day, Smith | Denton Municipal Electric |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Henson, Martha | Oncor |  |
| Mindham, David | EDP Renewables |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| 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 |  |
| Anderson, Kevin  | Customized Energy Solutions |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Beasley, Ann | AEP |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Boisseau, Heather | LCRA |  |
| Bruce, Mark | Cratylus Advisors |  |
| Burke, Tom | Invenergy |  |
| Cochran, Seth | DC Energy |  |
| Cortez, Sarai | Sharyland |  |
| Cook, Tim | CTT |  |
| Coultas, Ann | Enel |  |
| Daigneault, Ralph | Potomac Economics |  |
| Downey, Marty | Jupiter Power |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Farhangi, Anoush | Demand Control 2 |  |
| Fisher, Sarah | Nueces Electric Cooperative |  |
| Goff, Eric |  |  |
| Hanson, Kevin | National Grid |  |
| Hasan, Prusha | Texas Advanced Energy |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Helton, Bob | ENGIE |  |
| Hinojosa, Kirklan | Nueces Electric Cooperative |  |
| Huynh, Thuy | Potomac Economics |  |
| Jewell, Michael | Jewell and Associates |  |
| Jolly, Emily | LCRA |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lee, Jim | AEP TX |  |
| McCamant, Frank | McCamant Consulting |  |
| McClellan, Suzi | Good Company Associates |  |
| McKeever, Debbie | Oncor |  |
| Mendoza, Albert | Oxy |  |
| Musher, Danny | Key Capture Energy |  |
| Nagarajan, Ranya | CTT |  |
| Nguyen, Andy | LCRA |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | LCRA |  |
| Reed, Cyrus | Sierra Club |  |
| Rehfeldt, Diana | TNMP |  |
| Reid, Walter | Advanced Power Alliance |  |
| Richmond, Michele | TCPA |  |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CenterPoint Energy |  |
| Seryogin, Sergey | Nueces Electric Cooperative |  |
| 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 |  |
| Tran, Diane | TIEC |  |
| Troy, Roy | ACES Power |  |
| Velasquez, Ivan | Oncor |  |
| White, Lauri | AEP |  |
| Williams, Wes | BTU |  |
| Wittmeyer, Bob | Longhorn Power |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Ayson, Janice |  |  |
| Barati, Camron |  |  |
| Bigbee, Nathan |  |  |
| Billo, Jeff |  |  |
| Boren, Ann |  |  |
| Boswell, Bill |  |  |
| Bracy, Phil  |   |  |
| Castillo, Leo |  |  |
| Clifton, Suzy |  |  |
| De la Garza, Mario |  |  |
| Dinopol, Ohlen |  |  |
| Fleming, Lauren |  |  |
| Fohn, Douglas |  |  |
| Hobbs, Kristi |  |  |
| House, Donald |  |  |
| Huang, Fred |  |  |
| Hull, Gibson |  |  |
| Kane, Erika |  |  |
| Lasher, Warren |  |  |
| Maggio, Dave |  |  |
| Maul, Donald |  |  |
| Mereness, Matt |  |  |
| Miller, Megan |  |  |
| Morehead, Juliana |  |  |
| Patterson, Mark |  |  |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Rios, Diana |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Schmall, John |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Solis, Stephen |  |  |
| Stice, Clayton |  |  |
| Thompson, Chad |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Wattles, Paul |  |  |
| Wiley, Leslie |  |  |
| Williams, Leslie |  |  |
| Woodfin, Dan |  |  |
| Zeplin, Rachel |  |  |

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

Suzy Clifton called the January 14, 2021 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

Ms. Clifton directed attention to the Antitrust Admonition, which was displayed.

Election of 2021 PRS Chair and Vice Chair

Ms. Clifton reviewed the leadership election process codified in the Electric Reliability Council of Texas Technical Advisory Committee Procedures and opened the floor for nominations.

**Blake Gross nominated Martha Henson for 2021 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2021 PRS Chair by acclamation.**

**Shawnee Claiborn-Pinto nominated Melissa Trevino for 2021 PRS Vice Chair.** Ms. Trevino accepted the nomination. **Ms. Trevino was named 2021 PRS Vice Chair by acclamation.**

TAC/Subcommittee Stakeholder Process Overview (see Key Documents)[[1]](#footnote-1)

Cory Phillips presented an overview of the TAC and TAC Subcommittee process, including the committee structure, member voting at PRS, filing of Revision Requests and requesting urgent status, TAC Procedures, and Stakeholder meeting guidelines.

Approval of Minutes (see Key Documents)

*December 10, 2020*

Market Participants reviewed December 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) Update

Ms. Henson noted that TAC had not met since the December 10, 2020 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 and reviewed the 2020 and 2021 release targets noting impacts from the Market Management System (MMS)/Outage Scheduler (OS) Tech Refresh delay. Mr. Anderson summarized the 2020 project spending and two year budget cycle. Mr. Anderson provided an update on 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, stated the target go-live dates are still in development, and that the gate to execution target is February 2021. Mr. Anderson reminded Market Participants that ERCOT is reviewing revision requests for impacts to Passport projects and summarized the Passport Risk Assessment included in the Impact Analysis to provide greater transparency to the market. Mr. Anderson stated that ERCOT is developing recommendations for Stakeholder consideration for sequencing of items that are part of Passport projects and post-Passport. 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) 995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage*

ERCOT Staff summarized the 1/12/21 ERCOT comments to NPRR995. Market Participants discussed the Impact Analysis and the intent of NPRR995, NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs), and NPRR1052, Load Zone Pricing for Settlement Only Storage Prior to NPRR995 Implementation, and whether alternative solutions to the issues should be pursued in consideration of a potential 2027 post-Passport implementation. Market Participants requested further discussion of the issues in a workshop forum. Ms. Henson requested Bob Wittmeyer work with interested Stakeholders to facilitate workshop topics. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

Market Participants reviewed the Impact Analysis for NPRR1024. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

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

Market Participants reviewed the Impact Analysis and discussed the appropriate priority and rank for NPRR1034. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1040, Compliance Metrics for Ancillary Service Supply Responsibility*

Market Participants reviewed the Impact Analysis and discussed the appropriate priority and rank for NPRR1040. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1044, Enhancement of SSR Mitigation Requirement*

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

*NPRR1053, BESTF-9 Exemption from Ancillary Service Supply Compliance Requirements for Energy Storage Resources Affected by EEA Level 3 Charging Suspensions*

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

*NPRR1054, Removal of Oklaunion Exemption Language*

Market Participants discussed the proposed bifurcated effective date as noted in the Impact Analysis for NPRR1054.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)*

*NPRR1023, Change to CRR Repossession Process*

*NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification*

*NPRR1058, Resource Offer Modernization for Real-Time Co-Optimization*

PRS took no action on these items.

*NPRR1045, Transmission Operator Definition and Designation*

Douglas Fohn summarized NPRR1045 and the 1/13/21 ERCOT comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1057, Modification to Real-Time Hub Price Formulas for Fully De-Energized Hubs*

Ms. Henson summarized NPRR1057 and the 1/7/21 WMS comments. Mr. Phillips noted the 1/8/21 ERCOT comments accommodate necessary baseline updates. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Review of Revision Request Language (see Key Documents)

*NPRR1059, Ability for MOUs and ECs to Send Non-BUSIDRRQ Interval Data*

Sergey Seryogin summarized NPRR1059. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1060, Improvements to ERS Testing Requirements and Other ERS Items*

Diana Rios presented changes to the Emergency Response Service (ERS) program and clarifications in NPRR1060. Market Participants requested review of the issues by the Demand Side Working Group (DSWG). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Ian Haley moved to approve the Combined Ballot as follows:**

* **To approve the December 10, 2020 Meeting Minutes as presented**
* **To table NPRR995**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1024**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1034 with a recommended priority of 2021 and rank of 3280**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1040 with a recommended priority of 2021 and rank of 3290**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1044**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1053**
* **To endorse and forward to TAC the 12/10/20 PRS Report and Impact Analysis for NPRR1054 with a recommended effective date of March 1, 2021 for Sections 4.2.1.2, 4.4.4, and 4.4.4.2; and upon system implementation for all remaining language with a recommended priority of 2021 and rank of 3300**
* **To recommend approval of NPRR1045 as amended by the 1/13/21 ERCOT comments**
* **To recommend approval of NPRR1057 as amended by the 1/8/21 ERCOT comments**
* **To recommend approval of NPRR1059 as submitted**
* **To table NPRR1060 and refer the issue to the Wholesale Market Subcommittee (WMS)**

**Mr. Gross seconded the motion. The motion carried via roll call vote with one abstention from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.** Clayton Greer noted his abstention on the combined ballot pertained to NPRR1060 only. *(Please see ballot posted with Key Documents.)*

Other Business

*2021 PRS Goals*

Ms. Henson encouraged Market Participants to review the 2020 PRS Goals and provide input for developing 2021 PRS Goals to be considered at the February 11, 2021 PRS Meeting*.*

Adjournment

Ms. Henson adjourned the January 14, 2021 PRS meeting at 11:33 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2021/1/14/214134-PRS> unless otherwise noted [↑](#footnote-ref-1)