**APPROVED**

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

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

**Thursday, January 16, 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 |   |

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| --- | --- | --- |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions |  |
| Brenlin, Sam | Able Grid Energy |  |
| Bruce, Mark | Cratylus Advisors | Via Teleconference |
| Bunch, Kevin | EDF Trading |  |
| Checkley, Jim | CTT |   |
| Cook, Tim | CTT | Via Teleconference |
| Cortez, Sarai | Sharyland |  |
| Downey, Marty | Viridity |  |
| Farhangi, Anough | DC2 |  |
| Goldwater, Rachel | Key Capture Energy |  |
| Gregg-Richmond, Michele | TCPA | Via Teleconference |
| Johnson, Anthony | CenterPoint Energy |  |
| Jones, Randy | Mountaineer Market Advisors | Via Teleconference |
| Kee, David | CPS Energy |  |
| Lange, Clif | South Texas Electric Cooperative | Via Teleconference |
| Lee, Jim | AEP TX |  |
| McKeever, Debbie | Oncor | Via Teleconference |
| Mendoza, Albert | OCC |  |
| Musher, Danny | Key Capture Energy |  |
| Nguyen, Andy | LCRA |  |
| Pappu, Ajay | Invenergy | Via Teleconference |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | Environmental Defense Fund |  |
| Reid, Walter | Advanced Power Alliance |  |
| Rich, Katie | Golden Spread Electric Cooperative |   |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CenterPoint Energy |  |
| Siddiqi, Shams | Crescent Power  |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Smith, Chris | Austin Energy | Via Teleconference |
| Stephens, Michael | Oncor |  |
| Thomas, Wayne | BTU |  |
| Tran, Diane | TK Law | Via Teleconference |
| True, Roy | ACES Power |   |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Wittmeyer, Bob | Longhorn Power |  |
| Younger, Joseph | Texas Reliability Entity | Via Teleconference |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Bivens, Carrie |  |  |
| Boren, Ann |  |  |
| Bracy, Phil  |   |  |
| Castillo, Leo |  | Via Teleconference |
| Cheng, Yong |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Findley, Samantha |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| House, Donald |  |  |
| Hull, Gibson |  | Via Teleconference |
| Kane, Erika |  | Via Teleconference |
| Krein, Steve |  | Via Teleconference |
| Levine, Jonathan |  |  |
| Maggio, Dave |  |  |
| Mereness, Matt |  |  |
| Morehead, Juliana |  | Via Teleconference |
| Moreno, Alfredo |  | Via Teleconference |
| Phillips, Cory |  |  |
| Ragsdale, Ken |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Scott, Vickie |  | Via Teleconference |
| Sharma, Sandip |  |  |
| Shanks, Magie |  | Via Teleconference |
| Smith, Nathan |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Teixeira, Jay |  |  |
| Thomas, Shane |  | Via Teleconference |
| Troublefield, Jordan |  |   |
| Warnken, Pete |  | Via Teleconference |
| Woodfin, Dan |  | Via Teleconference |
| Zeplin, Rachel |  |   |

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

Suzy Clifton called the January 16, 2020 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Election to 2020 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 2020 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2020 PRS Chair by acclamation.**

**Bill Barnes nominated Melissa Trevino for 2020 PRS Vice Chair.** Ms. Trevino accepted the nomination. **Ms. Trevino was named 2020 PRS Vice Chair by acclamation.**

Approval of Minutes (see Key Documents)[[1]](#footnote-1)

*December 12, 2019*

**Clayton Greer moved to approve the December 12, 2019 meeting minutes. Mr. Gross seconded the motion. The motion carried with one abstention from the Consumer (OPUC) Market Segment.**

Technical Advisory Committee (TAC) and Board Report

Ms. Henson noted that TAC and the ERCOT Board had not met since the December 12, 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 and reviewed the 2020 release targets and 2019 project spending. Market Participants expressed concern for inertia impacts and requested ERCOT consider switching System Change Request (SCR) 803, Enhance Wind Integration Report and Create Solar Integration Report and Solar Dashboard, to Release 2 and SCR802, Enhance Communications of System Inertia, to Release 3. Market Participants encouraged ERCOT to consider hosting a workshop to address impacts and training needs prior to implementing Nodal Protocol Revision Request (NPRR) 902, ERCOT Critical Energy Infrastructure Information. In response to Market Participant questions, Mr. Anderson reviewed the implementation timeline for NPRR928, Cybersecurity Incident Notification. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects.

Urgency Vote(s)

*NPRR986, BESTF-2 Energy Storage Resource Energy Offer Curves, Pricing, Dispatch, and Mitigation*

Ian Haley summarized the 1/9/20 Luminant comments.

**Mr. Greer moved to grant NPRR986 Urgent status. Mr. Haley seconded the motion. The motion carried unanimously.**

Market Participants and ERCOT Staff discussed NPRR986, the 1/9/20 WMS comments, and the implementation timeline. Some Market Participants expressed support to expand the intra-hour updates of Energy Offer Curves to all Resource types in a subsequent NPRR. Market Participants requested ERCOT file additional comments to avoid conflicts between NPRR986 and existing language for Limited Duration Resources (LDRs) utilizing the OUTL Resource Status; and proposed additional edits to clarify that Energy Storage Resources (ESRs) “withdraw” energy rather than “consume” energy. Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR986.

**Mr. Greer moved to recommend approval of NPRR986 as amended by the 1/9/20 WMS comments as revised by PRS; and to forward NPRR986 and the Impact Analysis to TAC with a recommended priority of 2020 and rank of 2765. Mr. Haley seconded the motion. The motion carried unanimously.**

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

*NPRR826, Mitigated Offer Caps for RMR Resources*

Market Participants reviewed the Impact Analysis and appropriate priority and rank for NPRR826.

**Mr. Barnes moved to endorse and forward to TAC the 12/12/19 PRS Report and Impact Analysis for NPRR826 with a recommended priority of 2020 and rank of 2970. Mr. Greer seconded the motion. The motion carried unanimously.**

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

*NPRR970, Reliability Unit Commitment (RUC) Fuel Dispute Process Clarification*

*NPRR980, Accounting for NSO Forced Outages and GINR Inactive Projects in the Report on the Capacity, Demand and Reserves in the ERCOT Region*

*NPRR982, Alignment of Block Load Transfer (BLT) Requirements Between Protocols and Nodal Operating Guide*

*NPRR985, Modify Forward Adjustment Factors to Include Pricing for the Current Operating Day*

**Mr. Greer moved to endorse and forward to TAC the 12/12/19 PRS Report and Impact Analysis for NPRR955 with a recommended effective date of October 1, 2020, the respective 12/12/19 PRS Reports and Impact Analyses for NPRR970, NPRR980, and NPRR982, and the 12/12/19 PRS Report and Impact Analysis for NPRR985 with a recommended priority of 2020 and rank of 2760. John Varnell seconded the motion. The motion carried unanimously.**

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

Market Participants reviewed the Impact Analysis, Business Case, and appropriate priority and rank for NPRR963.

**Mr. Varnell moved to endorse and forward to TAC the 12/12/19 PRS Report as amended by the 12/4/19 ERCOT comments and the Impact Analysis for NPRR963 with a recommended priority of 2020 and rank of 2815. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR974, Capacity Insufficiency Operating Condition Notice (OCN) Transparency*

Market Participants and ERCOT Staff discussed implementing process changes prior to system implementation of NPRR974.

**Mr. Barnes moved to endorse and forward to TAC the 12/12/19 PRS Report and Impact Analysis for NPRR974 with a recommended priority of 2020 and rank of 2980. Mr. Haley seconded the motion. The motion carried unanimously.**

*SCR807, Increase CRR Transaction Capability*

*SCR808, Congestion Revenue Right Time Of Use Transaction Limits in Long-Term Auction Sequence Auctions*

Market Participants and ERCOT Staff discussed the Impact Analyses for SCR807 and SCR808, compared the cost and benefits of the proposed solutions, and requested additional time to review the issues.

**Sandy Morris moved to table SCR807 and SCR808 for one month. Mr. Gross seconded the motion. The motion carried with two abstentions from the Independent Power Marketer (IPM) (Tenaska, Morgan Stanley) Market Segment.**

Revision Requests Tabled at PRS (see Key Documents)

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

*NPRR945, Net Metering Requirements*

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

*NPRR953, Addition of Relay Loadability Rating Definition*

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR966, Changes to Support Reactive Power Coordination Tool*

*NPRR975, Load Forecast Model Transparency*

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

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR983, Delete Remaining Grey-Boxed Language Associated with NPRR257, Synchronization with Nodal Operating Guide Section 9, Monitoring Programs and Changes to Posting Requirements of Documents Considered CEII*

*NPRR984, Change ERS Standard Contract Terms*

PRS took no action on these items.

*NPRR903, Day-Ahead Market Timing Deviations*

Market Participants and ERCOT Staff discussed NPRR903, the 12/9/19 Joint Comments, 1/8/20 LCRA comments, and 1/10/20 WMS comments. Market Participants offered clarifications to the formula for “Day-Ahead Ancillary Services Sales Impact” in paragraph (1)(e) of Section 9.14.10.

**Mr. Haley moved to recommend approval of NPRR903 as amended by the 12/9/19 Joint Commenters comments as revised by PRS. Mr. Greer seconded the motion. The motion carried unanimously.**

**Kevin Bunch moved to reconsider NPRR903. Ms. Morris seconded the motion. The motion carried unanimously.** Market Participants offered additional administrative clarifications to NPRR903.

**Mr. Haley moved to recommend approval of NPRR903 as amended by the 12/9/19 Joint Commenters comments as revised by PRS. Mr. Bunch seconded the motion. The motion carried unanimously.**

*NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer*

**Mr. Greer moved to recommend approval of NPRR973 as amended by the 1/10/20 ROS comments. Mr. Gross seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR987, BESTF-3 Energy Storage Resource Contribution to Physical Responsive Capability and Real-Time On-Line Reserve Capacity Calculations*

**Mr. Haley moved to table NPRR987 and refer the issue to the Reliability and Operations Subcommittee (ROS) and Wholesale Market Subcommittee (WMS). Mr. Varnell seconded the motion. The motion carried unanimously.**

*NPRR989, BESTF-1 Energy Storage Resource Technical Requirements*

**Mr. Gross moved to table NPRR989 and refer the issue to ROS. Mr. Greer seconded the motion. The motion carried unanimously.**

*NPRR990, Relocation of Combined Cycle Train to Resource Attribute*

**Mr. Greer moved to recommend approval of NPRR990 as submitted. Mr. Varnell seconded the motion. The motion carried unanimously.**

Notice of Withdrawal

*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*

*NPRR976, Provisions for Resource Entities to Act as a Virtual QSE or Emergency QSE*

Ms. Henson noted the withdrawal of NPRR938, NPRR946 and NPRR976.

Resource Definition Task Force (RTF)

Bob Wittmeyer summarized RTF activities.

Other Business

*2020 PRS Goals*

Ms. Henson encouraged Market Participants to review the 2019 PRS Goals and provide input for developing 2020 PRS Goals to be considered at the February 13, 2020 PRS Meeting*.*

Adjournment

Ms. Henson adjourned the January 16, 2020 PRS meeting at 11:30 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2020/1/16/188342-PRS> unless otherwise noted [↑](#footnote-ref-1)