**DRAFT**

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

**ERCOT Austin – 8000 Metropolis Drive (Building E), Suite 100 – Austin, Texas 78744**

**Wednesday, July 13, 2022 – 1:00 p.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Coleman, Diana | CPS Energy |  |
| Day, Smith | Denton Municipal Electric (DME) | Via Teleconference |
| Goff, Eric | Residential Consumer | Via Teleconference |
| Greer, Clayton | Morgan Stanley |  |
| Haley, Ian | Luminant Generation (Luminant) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Mendoza, Albert | Occidental Chemical (Occidental) | Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| Trevino, Melissa | Occidental Chemical (Occidental) | Via Teleconference |
| True, Roy | GSEC |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) | Via Teleconference |
| White, Lauri | AEP Service Corporation (AEPSC) | Via Teleconference |
|  |  |  |
| *Guests:* |  |  |
| Abbott, Kristin | Austin Energy | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Anderson, Kevin | Customized Energy Solutions | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Benson, Mariah | PUCT |  |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Booth, Daniel | TexGen Power |  |
| Bruce, Mark | Cratylus Advisors | Via Teleconference |
| Burke, Tom | RWE | Via Teleconference |
| Camet, Brooke | OPUC | Via Teleconference |
| Campo, Curtis | GP&L | Via Teleconference |
| Claiborn-Pinto, Shawnee | PUCT | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Coffee, Jennifer | Texas Pipeline Association | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Dreyfus, Mark | City of Eastland |  |
| Fazio, Danielle | Engelhart | Via Teleconference |
| Helton, Bob | ENGIE | Via Teleconference |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jolly, Emily | Lower Colorado River Authority (LCRA) | Via Teleconference |
| Jones, Randy | Mountaineer Market Advisors | Via Teleconference |
| Khayat, Maribel | CenterPoint Energy (CNP) | Via Teleconference |
| Kolb, Lloyd | Invenergy | Via Teleconference |
| Kilroy, Taylor | TPPA | Via Teleconference |
| Lacek, Mollie | Talen Energy | Via Teleconference |
| Lee, Jim | TEC | Via Teleconference |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| Maynez, Andres | Orsted | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Musher, Danny | Key Capture Energy | Via Teleconference |
| Nguyen, Andy | LCRA | Via Teleconference |
| Pokharel, Nabaraj | OPUC | Via Teleconference |
| Reedy, Steve | CIM View Consulting |  |
| Ritch, John | NextEra | Via Teleconference |
| Scott, Kathy | CNP | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Sithuraj, Murali | Austin Energy | Via Teleconference |
| Snyder, Bill | AEPSC | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Velasquez, Ivan | Oncor | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Wall, Perrin | CNP |  |
| Wittmeyer, Bob | Broad Reach Power  | Via Teleconference |
| Xie, Fei | Austin Energy | Via Teleconference |
| Zarnikau, Jay | University of Texas at Austin  | Via Teleconference |
| Zhang, Wen | Shell Energy North America (SENA) | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Troy |  |  |
| Bigbee, Nathan |  | Via Teleconference |
| Billo, Jeff |  | Via Teleconference |
| Boren, Ann |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Day, Betty |  | Via Teleconference |
| Dwyer, Davida |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| Gnanam, Prabhu |  | Via Teleconference |
| Gonzalez, Ino |  |  |
| Kang, Sun Wook |  | Via Teleconference |
| Kapiloff, Leonard |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| McGuire, Joshua |  | Via Teleconference |
| Mereness, Matt |  | Via Teleconference |
| Michelsen, David |  | Via Teleconference |
| Phillips, Cory |  |  |
| Rosel, Austin |  | Via Teleconference |
| Schmall, John |  | Via Teleconference |
| Shaw, Pamela |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Thurman, Kathryn |  | Via Teleconference |
| Troublefield, Jordan |  |  |
|  |  |  |

*Unless otherwise indicated, all Market Segments participated in the votes.*

Martha Henson called the July 13, 2022 PRS meeting to order at 1:00 p.m.

Antitrust Admonition

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

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

*June 9, 2022*

Market Participants reviewed the June 9, 2022 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 reviewed the disposition of items considered at the June 27, 2022 TAC meeting, including the TAC Subcommittee Structural and Procedural Review Recommendations.

Project Update (see Key Documents)

*“Not Started” Revision Request List*

Troy Anderson provided project highlights, reviewed the 2022 release targets, summarized in-flight strategic projects, and presented the priority and rank options for Revision Requests requiring projects. Matt Mereness encouraged Market Participants to attend the July 25, 2022 Implementation Details for Fast-Frequency Response (FFR) Advancement Project Workshop by Webex Only, summarized the project timeline, and stated that additional project discussions are anticipated at the July 27, 2022 TAC meeting and August 4, 2022 Technology Working Group (TWG) meeting. Mr. Anderson presented the updated “Not Started” Revision Request List, noted the projects impacted by ERCOT resource constraints and strategic projects, reviewed ERCOT Staff recommendations for items that have the potential to be worked in within six to twelve months, and responded to Market Participant comments and concerns. There were no objections to the revised prioritization recommendations as presented.

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

*Nodal Protocol Revision Request (NPRR) 1058, Resource Offer Modernization*

Market Participants noted the 7/11/22 ERCOT comments requesting PRS table NPRR1058 to allow additional time to develop the Impact Analysis. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1085, Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs)*

Nathan Bigbee summarized the 7/11/22 ERCOT comments to NPRR1085. Market Participants offered revisions to the language to clarify that timelines do not begin until risks of bodily harm or undue damage to equipment have ended, reviewed the 7/5/22 Revised Impact Analysis, Business case, and appropriate priority and rank for NPRR1085. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1133, Clarify Responsibilities for Submission of Planning Model Data for DC Ties*

*NPRR1134, Related to RMGRR168, Modify ERCOT’s Mass Transition Responsibilities*

*NPRR1137, Updates to Section 1.1 to Modify the OBD List Review Timeline and Other Clarifications*

Market Participants reviewed the respective Impact Analyses for NPRRs 1133, 1134, and 1137. Ms. Henson noted these items could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1135, Add On-Line Status Check for Resources Telemetering OFFNS for Ancillary Service Imbalance Settlements*

Market Participants reviewed the 5/17/22 Impact Analysis and appropriate priority and rank for NPRR1135.

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

*NPRR1136, Updates to Language Regarding a QSE Moving Ancillary Service Responsibility Between Resources*

Market Participants reviewed the 5/18/22 Impact Analysis and appropriate priority and rank for NPRR1136.

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

*System Change Request (SCR) 820, Operator Real-Time Messaging During Emergency*

Market Participants noted the 7/12/22 ERCOT comments to SCR820. PRS took no action on this item.

*SCR822, Create Daily Energy Storage Integration Report and Dashboard*

Nitika Mago presented the Energy Storage Integration Report and dashboard mock-ups. Market Participants reviewed the 7/13/22 Impact Analysis and appropriate priority and rank for SCR822. 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*

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR1067, Market Entry Qualifications, Continued Participation Requirements, and Credit Risk Assessment*

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1084, Improvements to Reporting of Resource Outages and Derates*

*NPRR1089, Requiring Highest-Ranking Representative, Official, or Officer of a Resource Entity to Execute Weatherization and Natural Gas Declarations*

*NPRR1118, Clarifications to the OSA Process*

*NPRR1126, Default Uplift Allocation Enhancement*

*NPRR1128, Allow FFR Procurement up to FFR Limit Without Proration*

*NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions*

*NPRR1138, Communication of Capability and Status of Online IRRs at 0 MW Output*

*NPRR1139, Adjustments to Capacity Shortfall Ratio Share for IRRs*

*SCR821, Voltage Set Point Target Information for Distribution Generation Resource (DGR) or Distribution Energy Storage Resource (DESR)*

Ms. Henson presented the status of the tabled Revision Requests. PRS took no action on these items.

Review of Revision Request Language (see Key Documents)

*NPRR1140, Recovering Fuel Costs for Generation Above LSL During RUC-Committed Hours*

Ino Gonzalez summarized NPRR1140. Ian Haley reviewed the 6/03/22 Luminant comments to NPRR1140. Daniel Booth summarized the 7/7/22 TexGen Power comments to NPRR1140. Market Participants requested review of the issues by the Wholesale Market Subcommittee (WMS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**Bill Barnes moved to approve the Combined Ballot as follows:**

* **To approve the June 9, 2022 PRS Meeting Minutes as presented**
* **To table NPRR1058**
* **To endorse and forward to TAC the 6/9/22 PRS Report as amended by the 7/11/22 ERCOT comments, as revised by PRS, and the 7/5/22 Revised Impact Analysis for NPRR1085 with a recommended priority of 2022 and rank of 2525**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 5/6/22 Impact Analysis for NPRR1133**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 6/14/22 Impact Analysis for NPRR1134**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 5/17/22 Impact Analysis for NPRR1135 with a recommended priority of 2022 and rank of 3610**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 5/18/22 Impact Analysis for NPRR1136 with a recommended priority of 2023 and rank of 3720**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 6/17/22 Impact Analysis for NPRR1137**
* **To endorse and forward to TAC the 6/9/22 PRS Report and 7/13/22 Impact Analysis for SCR822 with a recommended priority of 2022 and rank of 3620**
* **To table NPRR1140 and refer the issue to WMS**

**Diana Coleman seconded the motion. The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson encouraged Market Participants to offer potential efficiencies for PRS in consideration of the September 2022 TAC Subcommittee Structural Review. Market Participants discussed potential efficiencies to the PRS meeting schedule.

*July 22, 2022 Special PRS Meeting*

Ms. Henson noted the potential for a Special PRS meeting on July 22, 2022 to consider an Urgent NPRR related to a Public Utility Commission of Texas (PUCT) rulemaking at the July 14, 2022 Public Utility Commission of Texas (PUCT) Open Meeting.

Adjournment

Ms. Henson adjourned the July 13, 2022 PRS meeting at 2:46 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at [https://www.ercot.com/calendar/event?id=1652453968865](https://www.ercot.com/calendar/event?id=1620941370013) unless otherwise noted [↑](#footnote-ref-1)