**APPROVED**

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

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

**Thursday, June 9, 2022 – 9:30 a.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 |  |
| Gross, Blake | AEP Service Corporation (AEPSC) | Via Teleconference |
| Haley, Ian | Luminant Generation (Luminant) |  |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Mindham, David | EDP Renewables North America (EDP Renewables) | Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) | Via Teleconference |
| Trevino, Melissa | Occidental Chemical (Occidental) |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) |  |
| Varnell, John | Tenaska Power Services (Tenaska) |  |
|  |  |  |
| *Guests:* |  |  |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Bailey, Robert | NRG | Via Teleconference |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Bruce, Mark | Cratylus Advisors | Via Teleconference |
| Burke, Tom | RWE | Via Teleconference |
| Bunch, Kevin | EDF Trading | Via Teleconference |
| Camet, Brooke | OPUC | Via Teleconference |
| Camp, Curtis | GP&L | Via Teleconference |
| Claiborn-Pinto, Shawnee | PUCT | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Coultas, Ann | Enel Green Power NA (Enel Green) | Via Teleconference |
| Daigneault, Ralph | Potomac Economics | Via Teleconference |
| Dreyfus, Mark | City of Eastland | Via Teleconference |
| Helton, Bob | ENGIE | Via Teleconference |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jolly, Emily | Lower Colorado River Authority (LCRA) |  |
| Jones, Liz | Oncor |  |
| Kee, David | CPS Energy | 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 |
| Loving, Alicia | Austin Energy | Via Teleconference |
| Matt, Kevin | NRG | Via Teleconference |
| McKeever, Debbie | Oncor | Via Teleconference |
| Okenfuss, James | Savion Energy | Via Teleconference |
| Petäjäsoja, Ida | inBalance | Via Teleconference |
| Pokharel, Nabaraj | OPUC | Via Teleconference |
| Powell, Christian | PEC | Via Teleconference |
| Ramaswamy, Ramya | PUCT | Via Teleconference |
| Reedy, Steve | CIM View Consulting |  |
| Reid, Walter | APA | Via Teleconference |
| Richmond, Michele | TCPA | Via Teleconference |
| Ritch, John | NextEra |  |
| Ross, Richard | AEPSC | Via Teleconference |
| Sams, Bryan | Calpine Corporation (Calpine) |  |
| Sersen, Juliana | Baker Botts | Via Teleconference |
| Scott, Kathy | CenterPoint Energy | Via Teleconference |
| Siddiqi, Shams | Crescent Power Consulting | Via Teleconference |
| Sithuraj, Murali | Austin Energy | Via Teleconference |
| Smith, Caitlin | Jupiter Power | Via Teleconference |
| True, Roy | ACES Power | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Wall, Perrin | CenterPoint Energy (CNP) |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Xie, Fei | Austin Energy |  |
| Zhang, Wen | SENA | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  | Via Teleconference |
| Anderson, Troy |  |  |
| Bigbee, Nathan |  | Via Teleconference |
| Boren, Ann |  |  |
| Castillo, Leo |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Covington, Austin |  | Via Teleconference |
| Dwyer, Davida |  | Via Teleconference |
| Gnanam, Prabhu |  | Via Teleconference |
| Gonzalez, Ino |  | Via Teleconference |
| Hartmann, Jimmy |  | Via Teleconference |
| Hobbs, Kristi |  | Via Teleconference |
| Holt, Blake |  | Via Teleconference |
| Huang, Fred |  | Via Teleconference |
| Jenkins, Darrell |  |  |
| Kang, Sun Wook |  | Via Teleconference |
| Kersulis, Jonas |  | Via Teleconference |
| Magarinos, Marcelo |  | Via Teleconference |
| Maggio, Dave |  |  |
| Mago, Nitika |  | Via Teleconference |
| Michelsen, David |  | Via Teleconference |
| Moorty, Sai |  |  |
| Moreno, Alfredo |  | Via Teleconference |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  | Via Teleconference |
| Roberts, Randy |  | Via Teleconference |
| Rojas, Raeann |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Ruane, Mark |  | Via Teleconference |
| Schmall, John |  | Via Teleconference |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  | Via Teleconference |
| Singh, Vijay |  |  |
| Teixeira, Jay |  | Via Teleconference |
| Troublefield, Jordan |  |  |
| Tucker, Donald |  | Via Teleconference |
| Young, Matt |  |  |
| Zeplin, Rachel |  | Via Teleconference |
|  |  |  |
|  |  |  |

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

Martha Henson called the June 9, 2022 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)

*May 11, 2022*

Market Participants reviewed the May 11, 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 May 25, 2022 TAC meeting and June 7, 2022 Special TAC meeting.

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, presented the priority and rank options for Revision Requests requiring projects, and summarized discussion at the May 19, 2022 Technology Working Group (TWG) meeting. Mr. Anderson presented the “Not Started” Revision Request List, noted the projects impacted by ERCOT resource constraints and strategic projects, and reviewed the ERCOT Staff recommendations for items that have the potential to be worked in within six to twelve months. Mr. Anderson responded to Market Participants comments and concerns, encouraged Market Participants to provide feedback on prioritization of the items noted as “TBD/market feedback needed”, and stated that the items would be reviewed at the July 13, 2022 PRS meeting.

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

*Nodal Protocol Revision Request (NPRR) 1127, Clarification of ERCOT Hotline Uses*

Seth Cochran reviewed the 6/8/22 DC Energy comments to NPRR1127. Jimmy Hartmann noted the collaborative efforts between ERCOT and DC Energy in developing these comments. Market Participants reviewed the Impact Analysis for NPRR1127. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1131, Controllable Load Resource Participation in Non-Spin*

Market Participants reviewed the Impact Analysis, Business case, and appropriate priority and rank for NPRR1131. 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 5/6/22 ERCOT comments to SCR820. PRS took no action on this item.

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*

*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*

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

PRS took no action on these items.

*NPRR1058, Resource Offer Modernization*

Market Participants reviewed NPRR1058, the 4/6/21 ERCOT comments, and the 6/6/22 WMS comments and offered clarifications to the title of NPRR1058. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Market Participants reviewed NPRR1084 and the 6/6/22 WMS comments, and noted the NPRR1084 discussion at the June 2, 2022 Reliability and Operations Subcommittee (ROS) meeting. Bill Barnes summarized the 5/27/22 Reliant comments. Fred Huang summarized the 6/8/22 ERCOT comments. Some Market Participants requested ERCOT Staff provide potential project implementation timelines for both NPRR1084 and NPRR1085, Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs) at the July 13, 2022 PRS meeting. PRS took no action on this item.

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

Ms. Henson reminded Market Participants of the NPRR1085 discussion at the May 11, 2022 PRS meeting.

Market Participants reviewed the 6/6/22 ROS comments to NPRR1085. Mr. Barnes summarized the 5/19/22 Reliant comments. Emily Jolly summarized the 6/7/22 LCRA comments. Nitika Mago reviewed the 6/8/22 ERCOT comments. ERCOT Staff and Market Participants debated the necessity of adding Public Utility Commission of Texas (PUCT) rule language to the ERCOT Protocols. Some Market Participants expressed concern for redundancies and inadvertent narrowing of protective rule language, while other Market Participants wished to emphasize existing rule language in particular sections of the ERCOT Protocols. Market Participants also debated the feasibility of various telemetry timelines, potential impacts to the process for Requests for Information after events, and applicability of exemptions. Market Participants expressed support for the 6/7/22 LCRA comments and offered clarifications NPRR1085. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1088, Applying Forward Adjustment Factors to Forward Market Positions and Un-applying Forward Adjustment Factors to Prior Market Positions*

Market Participants reviewed NPRR1088 and the 6/6/22 WMS 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)

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

Market Participants reviewed NPRR1133 and the 6/6/22 ROS comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Market Participants reviewed NPRR1134 and the 6/8/22 RMS comments. In response to Market Participant concerns, David Michelsen clarified NPRR1134’s minimal impact towards Provider of Last Resort (POLR) Customers requesting future switch transactions. Ms. Henson noted this item 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*

Austin Rosel summarized 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*

Vijay Singh summarized NPRR1136. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1137, Updates to Section 1.1*

Eric Goff summarized NPRR1137. Market Participants offered clarifications to the NPRR title. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Market Participants reviewed NPRR1138 and requested additional review of the proposed requirements by

ROS and the Wholesale Market Subcommittee (WMS). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Mr. Rosel summarized NPRR1139. Market Participants requested review of the issues by WMS. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Mr. Barnes summarized SCR822. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**Bob Wittmeyer moved to approve the Combined Ballot as follows:**

* **To approve the May 11, 2022 PRS Meeting Minutes as presented**
* **To endorse and forward to TAC the 5/11/22 PRS Report as amended by the 6/8/22 DC Energy comments and the 3/24/22 Impact Analysis for NPRR1127**
* **To endorse and forward to TAC the 5/11/22 PRS Report and 4/25/22 Impact Analysis for NPRR1131 with a recommended priority of 2023 and rank of 3720**
* **To recommend approval of NPRR1058 as amended by the 4/6/21 ERCOT comments as revised by PRS**
* **To recommend approval of NPRR1085 as amended by the 6/7/22 LCRA comments as revised by PRS**
* **To reject NPRR1088**
* **To recommend approval of NPRR1133 as submitted**
* **To recommend approval of NPRR1134 as submitted**
* **To recommend approval of NPRR1135 as submitted**
* **To recommend approval of NPRR1136 as submitted**
* **To recommend approval of NPRR1137 as revised by PRS**
* **To table NPRR1138 and refer the issue to WMS and ROS**
* **To table NPRR1139 and refer the issue to WMS**
* **To recommend approval of SCR822 as submitted**

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

Other Business

There was no other business.

Adjournment

Ms. Henson adjourned the June 9, 2022 PRS meeting at 12:02 p.m.

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