**APPROVED**

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

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

**Thursday, April 13, 2023 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Coleman, Diana | CPS Energy |  |
| Goff, Eric | Residential Consumer |  |
| Haley, Ian | Luminant Generation (Luminant) |  |
| Hanson, Kevin | National Grid Renewables (NG Renewables) | Via Teleconference |
| Henson, Martha | Oncor Electric Delivery (Oncor) |  |
| Mindham, David | EDP Renewables | Via Teleconference |
| Pokharel, Nabaraj | Residential Consumer | Alt. Rep. for Eric Goff Via Teleconference |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) |  |
| Richmond, Tim | Chariot Energy | Via Teleconference |
| Trevino, Melissa | Occidental Chemical (Occidental) | Via Teleconference |
| Turner, Lucas | South Texas Electric Cooperative (STEC) | Via Teleconference |
| Varnell, John | Tenaska Power Services (Tenaska) | Via Teleconference |
| White, Lauri | AEP Service Corporation (AEPSC) | Alt. Rep. for Blake Gross |
| Xie, Fei | Austin Energy |  |
|  |  |  |
| *Guests:* |  |  |
| Aldridge, Ryan | AB Power Advisors | Via Teleconference |
| Anderson, Connor | AB Power Advisors | Via Teleconference |
| Ashley, Kristy | Customized Energy Solutions | Via Teleconference |
| Bezwada, Neelima | Potomac Economics | Via Teleconference |
| Bivens, Carrie | Potomac Economics | Via Teleconference |
| Blackburn, Don | Hunt Energy Network Power Marketing | Via Teleconference |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) | Via Teleconference |
| Block, Laurie | LBlock Consulting, LLC | Via Teleconference |
| Callender, Hudson | CPS Energy | Via Teleconference |
| Campo, Curtis | Garland Power and Light | Via Teleconference |
| Carter, Brock | Austin Energy | Via Teleconference |
| Castle, Joe |  | Via Teleconference |
| Cochran, Seth | DC Energy | Via Teleconference |
| Conant, Portia | Yes Energy | Via Teleconference |
| Cotton, Ashley | GEUS | Via Teleconference |
| Daigneault, Ralph | Potomac Economics | Via Teleconference |
| Dreyfus, Mark | City of Eastland | Via Teleconference |
| Duensing, Allison | Sarac Energy | Via Teleconference |
| Fink, Regan | PG Renewables | Via Teleconference |
| Hall, Matthew | Invenergy | Via Teleconference |
| Headrick, Bridget | CES | Via Teleconference |
| Hook, Marcia |  | Via Teleconference |
| Hubbard, John Russ | TIEC |  |
| Huynh, Thuy | Potomac Economics | Via Teleconference |
| Jolly, Emily | LCRA |  |
| Jones, Dan | DLJ Consulting | Via Teleconference |
| Kirby, Brandon | GEUS | Via Teleconference |
| Koz, Brian |  | Via Teleconference |
| Lacek, Mollie | Talen Energy | Via Teleconference |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Lotter, Eric | Grid Monitor | Via Teleconference |
| Macaraeg, Tad | STEM | Via Teleconference |
| Nguyen, Andy | Constellation | Via Teleconference |
| Noyes, Theresa | LCRA |  |
| Okenfuss, James | Savion | Via Teleconference |
| Pietrucha, Doug | Texas Advanced Energy | Via Teleconference |
| Pyka, Greg | Schneider Engineering | Via Teleconference |
| Ramaswamy, Ramya | PUCT | Via Teleconference |
| Ravulapati, Bharath | LCRA | Via Teleconference |
| Ritch, John | Lone Star Transmission |  |
| Sams, Bryan | Calpine Corporation |  |
| Scott, Kathy | CNP | Via Teleconference |
| Sharma Frank, Arushi | Tesla | Via Teleconference |
| Showalter, Dana | Plus Power | Via Teleconference |
| Siddiqui, Shams | Crescent Power Consulting | Via Teleconference |
| Smith, Mark | Mark Smith Law, LLC | Via Teleconference |
| Teng, Shuye | LCRA | Via Teleconference |
| Thomas, Wayne | BTU | Via Teleconference |
| Thurnher, Greg | Tesla | Via Teleconference |
| True, Roy | ACES | Via Teleconference |
| Uy, Manny | Hunt Energy | Via Teleconference |
| Walker, Floyd | PUCT | Via Teleconference |
| Watson, Mark |  | Via Teleconference |
| Williams, Lori | BTU | Via Teleconference |
| Wittmeyer, Bob | Broad Reach Power |  |
| Wu, Tiffany | PUCT | Via Teleconference |
| Zang, Hailing | TC Energy | Via Teleconference |
| Zang, Matt | Austin Energy | Via Teleconference |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Azeredo, Chris |  | Via Teleconference |
| Billo, Jeff |  |  |
| Black, Robert |  |  |
| Boren, Ann |  |  |
| Clifton, Suzy |  |  |
| Dashnyam, Sanchir |  | Via Teleconference |
| Dwyer, Davida |  |  |
| Fohn, Doug |  | Via Teleconference |
| Garcia, Freddy |  | Via Teleconference |
| Gonzalez, Ino |  | Via Teleconference |
| Hailu, Ted |  | Via Teleconference |
| Heinrich, Holly |  | Via Teleconference |
| Hobbs, Kristi |  | Via Teleconference |
| Holden, Curry |  | Via Teleconference |
| Huang, Fred |  | Via Teleconference |
| Fohn, Doug |  | Via Teleconference |
| King, Ryan |  | Via Teleconference |
| Maggio, Dave |  | Via Teleconference |
| Mago, Nitika |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Mereness, Matt |  | Via Teleconference |
| Michelsen, Dave |  | Via Teleconference |
| Patterson, Mark |  | Via Teleconference |
| Phillips, Cory |  |  |
| Roberts, Randy |  | Via Teleconference |
| Rosel, Austin |  | Via Teleconference |
| Shanks, Maggie |  | Via Teleconference |
| Shaw, Pamela |  | Via Teleconference |
| Solis, Stephen |  | Via Teleconference |
| Thomas, Shane |  | Via Teleconference |
| Troublefield, Jordan |  | Via Teleconference |
| Wasik-Gutierrez, Erin |  |  |
| Zapanta, Zaldy |  | Via Teleconference |
| Zeplin, Rachel |  | Via Teleconference |
| Zerwas, Rebecca |  | Via Teleconference |
|  |  |  |

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

Martha Henson called the April 13, 2023 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)

*March 8, 2023*

Market Participants reviewed the March 8, 2023 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 March 31, 2023 TAC meeting.

Project Update (see Key Documents)

Troy Anderson provided project highlights, summarized 2023 release targets, and reviewed the additional project status information. Mr. Anderson encouraged Market Participants to attend the April 27, 2023 Technology Working Group (TWG) meeting.

Urgency Vote (See Key Documents)

*Nodal Protocol Revision Request (NPRR) 1169, Expansion of Generation Resources Qualified to Provide Firm Fuel Supply Service in Phase 2 of the Service*

Davida Dwyer provided an overview of NPRR1169 and the request for Urgent status in hopes of NPRR1169 approval in advance of the next Firm Fuel Supply Service (FFSS) period. Don Blackburn reviewed the 4/7/23 HEN comments to NPRR1169. Bryan Sams summarized the 4/12/23 Calpine comments to NPRR1169. Emily Jolly reviewed the 4/12/23 LCRA comments to NPRR1169. Market Participants were generally supportive of NPRR1169 and the formal comments, but requested tabling for a month to allow ERCOT Staff to confer with Public Utility Commission of Texas (PUCT) Staff on the revised definition proposed in the 4/12/23 Calpine comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

*NPRR1156, Priority Revision Request Process*

PRS took no action on this item.

*NPRR1161, Clarify AVR Notification Requirements for IRRs*

Market Participants reviewed the 3/8/23 PRS Report, 2/7/23 Impact Analysis, and a clarification of a defined term. 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*

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

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1146, Credit Changes to Appropriately Reflect TAO Exposure*

*NPRR1150, Related to NOGRR230, WAN Participant Security*

*NPRR1162, Single Agent Designation for a QSE and its Sub-QSEs for Voice Communications over the ERCOT WAN*

*NPRR1164, Black Start and Isochronous Control Capable Identification*

PRS took no action on these items.

*NPRR1143, Provide ERCOT Flexibility to Determine When ESRs May Charge During an EEA Level 3*

Market Participants reviewed the 9/29/22 ERCOT and 2/10/23 ERCOT Steel Mills comments to NPRR1142. Some Market Participants expressed disapproval regarding the burden that NPRR1143 requires of battery developers and the potential for stakeholders to misunderstand the application of NPRR1143. Robert Black stated that ERCOT was committed to defending its actions under language proposed in NPRR1143, noting that, while counterintuitive, conditions may exist such that allowing certain batteries to charge during an Energy Emergency Alert (EEA) Level 3, would lead to quicker restoration of power to end-use Customers.

**Bill Barnes moved to recommend approval of NPRR1143 as amended by the 9/29/22 ERCOT comments. Lauri White seconded the motion. The motion carried with one objection from the Cooperative (STEC) Market Segment and eight abstentions from the Consumer (Occidental), Cooperative (GSEC), Independent Generator (2) (Luminant, Calpine), Independent Power Marketer (IPM) (Tenaska), and Municipal (3) (CPS Energy, GEUS, Austin Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1163, Related to LPGRR070, Discontinuation of Interval Data Recorder (IDR) Meter Weather Sensitivity Process*

Market Participants reviewed the 3/28/23 ERCOT comments and 4/5/23 RMS comments to NPRR1163. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Review of Revision Request Language (see Key Documents)

*NPRR1165, Revisions to Requirements of Providing Audited Financial Statements and Providing Independent Amount*

Katherine Gross summarized NPRR1165, noted it was discussed at the March 14, 2023 Market Credit Working Group (MCWG) meeting, and reviewed the Revision Request timeline. Seth Cochran reviewed the 3/24/23 DC Energy comments. Market Participants requested review of the issues at the Credit Finance Sub Group (CFSG). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1166, Protected Information Status of DC Tie Schedule Information*

Dug Fohn summarized NPRR1166. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1167, Improvements to Firm Fuel Supply Service Based on Lessons Learned*

Dave Maggio provided an overview of NPRR1167, and noted the NPRR1167 discussions at the March 17, 2023 Wholesale Market Working Group (WMWG) meeting and the April 5, 2023 Wholesale Market Subcommittee (WMS) meeting. Market Participants reviewed the 3/15/23 LCRA comments and 4/5/23 WMS comments to NPRR1167. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1168, Related to RMGRR172, Texas SET V5.0 Continuous Service Agreements Changes*

Market Participants reviewed the 4/5/23 RMS comments to NPRR1168. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1169, Expansion of Generation Resources Qualified to Provide Firm Fuel Supply Service in Phase 2 of the Service*

This item was considered with Urgent Status.

*NPRR1170, Capturing Natural Gas Delivery Information for Natural Gas Generation Resources*

Jim Stevens summarized NPR1170. Market Participants expressed concern for supplying data for activity that is not controlled by electric generators and that the NPRR language is not reflective of how various entities buy or manage gas. Market Participants also discussed support for statutory changes to allow ERCOT to gather data directly from source entities and requested NPRR1170 be tabled pending legislative action. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding*

Jeff Billo summarized NPRR1171. Some Market Participants expressed concern for operational limitations, reporting accuracy, and reliability and requested further review by the Reliability and Operations Subcommittee (ROS). 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 March 8, 2023, PRS Meeting Minutes as presented**
* **To grant NPRR1169 Urgent status and to table NPRR1169**
* **To endorse and forward to TAC the 3/8/23 PRS Report as revised by PRS and 2/7/23 Impact Analysis for NPRR1161**
* **To recommend approval of NPRR1163 as amended by the 3/28/23 ERCOT comments**
* **To table NPRR1165 and refer the issue to CFSG**
* **To recommend approval of NPRR1166 as submitted**
* **To recommend approval of NPRR1167 as amended by the 3/15/23 LCRA comments**
* **To recommend approval of NPRR1168 as submitted**
* **To table NPRR1170**
* **To table NPRR1171 and refer the issue to ROS**

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

Other Business

Ms. Henson noted that in consideration of PUCT Open Meetings, the May 11, 2023 and June 15, 2023 PRS meetings were rescheduled to Wednesday, May 10, 2023, and Wednesday, June 14, 2023.

Adjournment

Ms. Henson adjourned the April 13, 2023 PRS meeting at 11:11 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/04132023-PRS-Meeting> unless otherwise noted [↑](#footnote-ref-1)