**APPROVED**

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

**Webex Only**

**Wednesday, February 9, 2022 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | |  |
| Barnes, Bill | Reliant Energy Retail Services | | |  |
| Blakey, Eric | Just Energy | | |  |
| Coleman, Diana | CPS Energy | | |  |
| Day, Smith | Denton Municipal Electric | | |  |
| Goff, Eric | Residential Consumer | | |  |
| 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:* |  | | |  |
| Abbott, Kristin | Austin Energy | | |  |
| Ainspan, Malcolm | NRG | | |  |
| Aldridge, Ryan | AB Power Advisors | | |  |
| Allen, Thresa | Avangrid Renewables | | |  |
| Anderson, Connor | AB Power Advisors | | |  |
| Ashley, Kristy | Customized Energy Solutions | | |  |
| Benson, Mariah | PUCT | | |  |
| Bivens, Carrie | Potomac Economics | | |  |
| Blackburn, Don | Hunt Energy Network Power Marketing | | |  |
| Bonskowski, Ned | Luminant | | |  |
| Bunch, Kevin | EDF Trading | | |  |
| Burke, Tom | RWE Renewables | | |  |
| Camet, Brooke | OPUC | | |  |
| Campo, Curtis | Garland Power and Light | | |  |
| Chamberlin, Jennifer | CPower | | |  |
| Claiborn-Pinto, Shawnee | PUCT | | |  |
| Cochran, Seth | DC Energy | | |  |
| Coleman, Katie | TIEC | | |  |
| Cortez, Sarai | Sharyland Utilities | | |  |
| Cotton, Ashley | GEUS | | |  |
| Coultas, Ann | Enel Green Power | | |  |
| Cripe, Ramsey | Schneider Engineering | | |  |
| Daigneault, Ralph | Potomac Economics | | |  |
| Detelich, David | CPS Energy | | |  |
| Downey, Marty |  | | |  |
| Dreyfus, Mark | City of Eastland | | |  |
| Farhangi, Anoush | Demand Control 2 | | |  |
| Graham, Sophie | Adapt2 Solutions | | |  |
| Harvey, Julia | Texas Electric Cooperatives | | |  |
| Hendrix, Chris | Demand Control 2 | | |  |
| Hinds, David | Lower Colorado River Authority | | |  |
| Hubbard, Jon Rus | TIEC | | |  |
| Jackson, Dan | Dual Drive Technologies | | |  |
| Johnson, Anthony | CenterPoint Energy | | |  |
| Jolly, Emily | Lower Colorado River Authority | | |  |
| Kilroy, Taylor | TPPA | | |  |
| Lange, Clif | South Texas Electric Cooperative | | |  |
| Lasher, Warren | Lasher Energy Consulting | | |  |
| Lotter, Eric | Grid Monitor | | |  |
| Mann, Jake | NBU | | |  |
| Matt, Kevin | NRG | | |  |
| McKeever, Debbie | Oncor | | |  |
| Miller, Alexandra | EDF | | |  |
| Musher, Danny | Key Capture Energy | | |  |
| Nguyen, Andy | Lower Colorado River Authority | | |  |
| Oliver, Jon | PUCT | | |  |
| Petajasoja, Ida | inBalance | | |  |
| Pokharel, Nabaraj | OPUC | | |  |
| Powell, Christian | Pedernales Electric Cooperative | | |  |
| Pyka, Greg | Schneider Engineering | | |  |
| Rainwater, Kim | Lower Colorado River Authority | | |  |
| Ramaswamy, Ramya | PUCT | | |  |
| Reed, Cyrus | Sierra Club | | |  |
| Reedy, Steve | CIM View Consulting | | |  |
| Reid, Walter | APA | | |  |
| Ritch, John | Gexa Energy | | |  |
| Sams, Bryan | Calpine | | |  |
| Scott, Kathy | CenterPoint Energy | | |  |
| Siddiqi, Shams | Crescent Power Consulting | | |  |
| Simpson, Lori | Constellation Energy Generation | | |  |
| Singhrastogi, Rama | PUCT | | |  |
| Sithuraj, Murali | Austin Energy | | |  |
| Smith, Caitlin | Jupiter Power | | |  |
| Smith, Mark | Nucor | | |  |
| Townsend, Aaron | Potomac Economics | | |  |
| True, Roy | ACES Power | | |  |
| Uy, Manny | Hunt Energy | | |  |
| Velasquez, Ivan | Oncor | | |  |
| Villasana, Kristi | NBU | | |  |
| Walker, Floyd | PUCT | | |  |
| White, Lauri | AEP | | |  |
| Wittmeyer, Bob | Broad Reach Power | | |  |
| Wu, Tiffany | PUCT | | |  |
| Xie, Fei | Austin Energy | | |  |
| Yu, Joel | Electranet Power | | |  |
| *ERCOT Staff* |  | | |  |
| Albracht, Brittney |  | | |  |
| Anderson, Troy |  | | |  |
| Bauld, Mandy |  | | |  |
| Bernecker, John |  | | |  |
| Bigbee, Nathan |  | | |  |
| Billo, Jeff |  | | |  |
| Blevins, Bill |  | | |  |
| Boren, Ann |  | | |  |
| Bracy, Phil |  | | |  |
| Chen, Yong |  | | |  |
| Clifton, Suzy |  | | |  |
| Dwyer, Davida |  | | |  |
| Fleming, Lauren |  | | |  |
| Flint, Alison |  | | |  |
| Garcia, Freddy |  | | |  |
| Gnanam, Prabhu |  | | |  |
| Gonzalez, Ino |  | | |  |
| Hobbs, Kristi |  | | |  |
| Holt, Blake |  | | |  |
| House, Donald |  | | |  |
| Huang, Fred |  | | |  |
| Jenkins, Darrell |  | | |  |
| Koepke, Joel | |  |
| Maggio, Dave |  | | |  |
| Mago, Nitika |  | | |  |
| Magarinos, Marcelo |  | | |  |
| Meier, Eric |  | | |  |
| Mereness, Matt |  | | |  |
| Moreno, Alfredo |  | | |  |
| Patterson, Mark |  | | |  |
| Pedigo, Jake |  | | |  |
| Phillips, Cory |  | | |  |
| Ragsdale, Kenneth |  | | |  |
| Rosel, Austin |  | | |  |
| Ruane, Mark |  | | |  |
| Sharma, Sandip |  | | |  |
| Shaw, Pamela |  | | |  |
| Singh, Vijay |  | | |  |
| Stice, Clayton |  | | |  |
| Tirupati, Venkata |  | | |  |
| Troublefield, Jordan |  | | |  |
| Woodfin, Dan |  | | |  |
| Zapanta, Zaldy |  | | |  |
|  |  | | |  |
|  |  | | |  |

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

Martha Henson called the February 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)

*January 13, 2022*

Market Participants reviewed the January 13, 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 January 31, 2022 TAC meeting.

Project Update (see Key Documents)

Troy Anderson presented project highlights, reviewed the 2022 release targets, and summarized in-flight strategic projects. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects. Mr. Anderson encouraged Market Participants to attend the February 10, 2022 Technical Working Group (TWG) meeting.

Urgency Vote (See Key Documents)

*Nodal Protocol Revision Request (NPRR) 1120, Create Firm Fuel Supply Service*

Sandip Sharma reviewed the request for Urgent status for NPRR1120. Market Participants expressed support to consider NPRR1120 for Urgent status. Mr. Sharma summarized NPRR1120. Carrie Bivens reviewed the 2/7/22 IMM comments. Market Participants acknowledged the limited timeline for developing and implementing the new service to comply with the Public Utility Commission of Texas (PUCT) direction, and tabled NPRR1120 for further discussion at a workshop and a special PRS meeting. 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)

*NPRR1092, Reduce RUC Offer Floor and Remove RUC Opt-Out Provision*

Ms. Bivens summarized the 1/31/22 Joint Commenters comments. Market Participants reviewed the Impact Analysis, and Business case for NPRR1092. ERCOT Staff noted the 1/31/22 Joint Commenters comments would likely reduce the cost of implementation, summarized the project implementation in a phased approach, and stated that a Revised Impact Analysis would be prepared for TAC. Some Market Participants expressed concerns that NPRR1092 could negatively impact Load hedges and long-term Resource adequacy.

**Clayton Greer moved to endorse and forward to TAC the 1/13/22 PRS Report as amended by the 1/31/22 Joint Commenters comments and Impact Analysis for NPRR1092 with a recommended priority of 2022 and rank of 3005. Eric Goff seconded the motion. The motion carried via roll call ballot with seven objections from the Cooperative (2) (LCRA, STEC), Independent Generator (3) (Luminant, Key Capture, Calpine), and Independent Power Marketer (IPM) (2) (Tenaska, EDF Trading) Market Segments, and four abstentions from the Cooperative (Golden Spread), Independent Generator (Enel Green Power), IPM (CPower), and Independent Retail Electric Provider (IREP) (Electranet Power) Market Segments. All Market Segments participated in the vote.** *(Please see ballot posted with Key Documents.)*

*System Change Request (SCR) 818, Changes to Incorporate GIC Modeling Data into Existing Modeling Applications*

Market Participants reviewed the Impact Analysis for SCR818. Joel Koepke noted that SCR818 improves efficiency and reduces chance of manual error. Some Market Participants expressed concern for costs and requested additional quantification of benefits at the March 9, 2022 PRS meeting. Mr. Koepke noted that additional analysis would represent only benefits to ERCOT and not the overall benefit to the market; other stakeholders offered to review internal benefit analyses to supplement the discussion. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*SCR820, Operator Real-Time Messaging During Emergency*

Market Participants reviewed the 2/3/22 ERCOT comments. 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*

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

*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*

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

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

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

*NPRR1100, Emergency Switching Solutions for Energy Storage Resources*

*NPRR1108, ERCOT Shall Approve or Deny All Resource Outage Requests – URGENT*

*NPRR1110, Black Start Requirements Update*

*NPRR1112, Elimination of Unsecured Credit Limits*

PRS took no action on these items.

*NPRR1096, Require Sustained Six Hour Capability for ECRS and Non-Spin*

Market Participants reviewed NPRR1096, noted that the 1/12/22 ROS comments and 2/7/22 WMS comments endorsed different versions of NPRR1097, and debated keeping the item tabled for further review.

**Mr. Goff moved to recommend approval of NPRR1096 as amended by the 11/3/21 ERCOT comments. Blake Gross seconded the motion.** Danny Musher summarized the 2/7/2 Key Capture comments. Some Market Participants expressed concern for commercial challenges posed by the requirements. Nitika Mago stated ERCOT would continue to work with stakeholders on additional solutions through future NPRRs, and requested PRS recommend approval of NPRR1096 as amended by the 11/3/21 ERCOT comments to address current operational issues.

**Mr. Musher moved to table NPRR1096 and refer the issue to the Reliability and Operations Subcommittee (ROS). Kevin Bunch seconded the motion. The motion failed via roll call ballot with 12 objections from the Consumer (3) (Occidental, Nucor, Residential Consumer), Cooperative (LCRA), Independent Generator (Calpine), IREP (2) Electranet, Just Energy), and Investor Owned Utility (IOU) (3) (Oncor, CenterPoint, AEP), and Municipal (2) (Austin, CPS) Market Segments and four abstentions from the Cooperative (STEC), IPM (2) (Tenaska, Morgan Stanley), and IREP (Reliant) Market Segments.** *(Please see ballot posted with Key Documents.)*

**The original motion carried via roll call ballot with seven objections from the Consumer (Sierra Club), Independent Generator (4) (Key Capture, Jupiter Power, Enel Green Power, EDP Renewables), IPM (2) (EDF Trading, CPower) Market Segments, and six abstentions from the Cooperative (Golden Spread), Independent Generator (3) (Luminant, Broad Reach Power, RWE Renewables), IPM (Morgan Stanley), and IREP (Reliant) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1097, Create Resource Forced Outage Report*

Emily Jolly noted that LCRA was continuing efforts with PUCT Staff and stakeholders to provide additional clarifications on NPRR1097. Market Participants acknowledged the desire of ERCOT Staff to advance NPRR1097 to codify in the Protocols the information already reported under the PUCT order in Project No. 52266, Review of Summer 2021 ERCOT Market Performance, however, in consideration of the Protected information issues requested NPRR1097 remain tabled for further discussion at the February 16, 2022 Special PRS meeting.

Review of Revision Request Language (see Key Documents)

*NPRR1116, Remove Obsolete Reference to Market Information System (MIS)*

Market Participants reviewed NPRR1116 and confirmed that Other Binding Document posting requirements are addressed in language that will be maintained. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1117, Related to SMOGRR025, Modifications to Line Loss Compensation Requirement for EPS Metering*

Don Tucker summarized NPRR1117. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1118, Clarifications to the OSA Process*

Dan Woodfin summarized NPRR1117. Market Participants requested review of the issues by ROS and the Wholesale Market Subcommittee (WMS). 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 January 13, 2022, PRS Meeting Minutes as presented**
* **To approve the 2022 PRS Goals as presented**
* **To table SCR818**
* **To table SCR820.**
* **To grant NPRR1120 Urgent status; and to table NPRR1120**
* **To recommend approval of NPRR1116 as submitted**
* **To recommend approval of NPRR1117 as submitted**
* **To table NPRR1118 and refer the issue to ROS and WMS**

**Bill Barnes seconded the motion. The motion carried unanimously via roll call vote.** *(Please see ballot posted with Key Documents.)*

Other Business

Ms. Henson encouraged Market Participants to attend the February 9, 2022 NPRR1120 Workshop at 1:00 p.m. and the February 16, 2022 Special PRS Meeting.

Adjournment

Ms. Henson adjourned the February 9, 2022 PRS meeting at 12:30 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/event?id=1640794763359> unless otherwise noted [↑](#footnote-ref-1)