**APPROVED**

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

**Webex Only**

**Thursday, January 13, 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 |  |
| Lange, Clif | South Texas Electric Cooperative | Alt. Rep. for Lucas Turner |
| Mindham, David | EDP Renewables |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Trevino, Melissa | Occidental Chemical |  |
| Varnell, John | Tenaska Power Services |  |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Anderson, Connor | AB Power Advisors |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blackburn, Don | Hunt Energy Network Power Marketing |  |
| Bunyan, Michael | Jupiter Power |  |
| Camet, Brooke | OPUC |  |
| Campo, Curtis | Garland Power and Light |  |
| Canamar, Jorge | Sharyland |  |
| Cochran, Seth | DC Energy |  |
| Collard, Bradley | Pedernales Electric Cooperative |  |
| Cortez, Sarai | Hunt Utility |  |
| Cotton, Ashley | GEUS |  |
| Coultas, Ann | Enel Green Power |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Crouch, Rebecca | New Braunfels Utilities |  |
| 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 |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Hinds, David | Lower Colorado River Authority |  |
| Huynh, Thuy | Potomac Economics |  |
| Jackson, Dan | Dual Drive Technologies |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Jolly, Emily | Lower Colorado River Authority |  |
| Kee, David | CPS Energy |  |
| Khayat, Maribel | CenterPoint Energy |  |
| Kilroy, Taylor | TPPA |  |
| Lasher, Warren | Lasher Energy Consulting |  |
| Lee, Jim | AEP TX |  |
| Lotter, Eric | Grid Monitor |  |
| Loving, Alicia | Austin Energy |  |
| Lu, Bo | Broad Reach Power |  |
| Mann, Jake | NBU |  |
| Martin, Loretto | NRG |  |
| Matt, Kevin | NRG |  |
| McKeever, Debbie | Oncor |  |
| Miller, Alexandra | EDF |  |
| Morris, Sandy | Customized Energy Solutions |  |
| Musher, Danny | Key Capture Energy |  |
| Nguyen, Andy | Lower Colorado River Authority |  |
| Petajasoja, Ida | inBalance |  |
| Phillips, Cody | Enel North America |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Pyka, Greg | Schneider Engineering |  |
| Rainwater, Kim | Lower Colorado River Authority |  |
| Ramaswamy, Ramya | PUCT |  |
| Reed, Carolyn | CenterPoint Energy |  |
| Reedy, Steve | CIM View Consulting |  |
| Reid, Walter | APA |  |
| Richmond, Michele | TCPA |  |
| Ritch, John | Gexa Energy |  |
| Sager, Brenden | Austin Energy |  |
| Sams, Bryan | Calpine |  |
| Scott, Kathy | CenterPoint Energy |  |
| Sharma Frank, Arushi | Tesla |  |
| Siddiqi, Shams | Crescent Power Consulting |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | Jupiter Power |  |
| Thomas, Wayne | BTU |  |
| Townsend, Aaron | Potomac Economics |  |
| Trefny, Floyd | Texas Steel Companies |  |
| True, Roy | ACES Power |  |
| Uy, Manny | Hunt Energy |  |
| Velasquez, Ivan | Oncor |  |
| Walker, Floyd | PUCT |  |
| Wilson, Joe Dan | Golden Spread Electric Cooperative |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Xie, Fei | Austin Energy |  |
| Zerwas, Rebecca | PUCT |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Bauld, Mandy |  |  |
| Bernecker, John |  |  |
| Bigbee, Nathan |  |  |
| Billo, Jeff |  |  |
| Blevins, Bill |  |  |
| Boren, Ann |  |  |
| Bracy, Phil |  |  |
| Castillo, Leo |  |  |
| Chen, Jian |  |  |
| Chen, Yong |  |  |
| Clifton, Suzy |  |  |
| Covington, Austin |  |  |
| Devadhas Mohanadha, Thinesh |  |  |
| Dinopol, Ohlen |  |  |
| Fleming, Lauren |  |  |
| Flores, Isabel |  |  |
| Garcia, Freddy |  |  |
| Gnanam, Prabhu |  |  |
| Gore, Amy |  |  |
| Holt, Blake |  |  |
| Huang, Fred |  |  |
| Kane, Erika |  |  |
| Kang, Sun Wook |  |  |
| Kettlewell, Bill |  |  |
| Levine, Jonathan |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Matlock, Robert |  |  |
| Mereness, Matt |  |  |
| Michelsen, David |  |  |
| Moreno, Alfredo |  |  |
| Pedigo, Jake |  |  |
| Phillips, Cory |  |  |
| Ragsdale, Kenneth |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Stice, Clayton |  |  |
| Tirupati, Venkata |  |  |
| Troublefield, Jordan |  |  |
| Wiley, Leslie |  |  |
| Woodfin, Dan |  |  |
| Zapanta, Zaldy |  |  |
| Zeplin, Rachel |  |  |

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

Suzy Clifton called the January 13, 2022 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Election of 2022 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.

**Ian Haley nominated Martha Henson for 2022 PRS Chair.** Ms. Henson accepted the nomination. **Ms. Henson was named 2022 PRS Chair by acclamation.**

**Eric Goff nominated Melissa Trevino for 2022 PRS Vice Chair.** Ms. Trevino accepted the nomination. **Ms. Trevino was named 2022 PRS Vice Chair by acclamation.**

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

*December 14, 2021*

Market Participants reviewed the December 14, 2021 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 noted that TAC had not met since the November 29, 2021 TAC meeting and that the January TAC meeting was rescheduled to January 31, 2022.

Project Update (see Key Documents)

Troy Anderson presented project highlights, reviewed the 2021 and 2022 release targets, and summarized in-flight strategic projects. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects. Venkat Tirupati announced the newly created Technical Working Group (TWG), noted it was formed to enhance information sharing about information technology and operational technology systems and applications between Market Participants and ERCOT, and encouraged Market Participants, Technical Staff and Vendors to attend the February meeting.

Urgency Votes (See Key Documents)

*Nodal Protocol Revision Request (NPRR) 1112, Elimination of Unsecured Credit Limits*

Mark Ruane summarized NPRR1112 and the request for Urgent Status. Market Participants discussed the proposal, relevant credit information from Winter Storm Uri, and alternative approaches to strengthening credit within ERCOT and requested further review by the Wholesale Market Subcommittee (WMS). Some Market Participants expressed concerns in delaying advancing NPRR1112 on an urgent timeline. ERCOT Staff reviewed the Revision Request timeline. Market Participants requested consideration at the February 9, 2022 PRS meeting. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1113, Clarification of Regulation-Up Schedule for Controllable Load Resources in Ancillary Service Imbalance*

Austin Rosel summarized NPRR1113, the 1/6/22 ERCOT comments, and the request for Urgent Status. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1114, Securitization – PURA Subchapter N Uplift Charges*

Mr. Ruane summarized NPRR1114, the request for Urgent Status, and the upcoming timeline of securitization steps. Market Participants reviewed the 1/6/22 Reliant comments, 1/7/22 ERCOT comments, and 1/12/22 TEAM, offered clarifications, and discussed the Impact Analysis, Business case, and appropriate priority and rank for NPRR1114. 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)

*NPRR1099, Managing Network Operations Model Resource Nodes*

Market Participants reviewed the Impact Analysis for NPRR1099. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1102, ERCOT Discretion for Adjusting Non-Interval Data Recorder (NIDR) Backcasted Load Profiles*

Market Participants offered clarifications to remove unnecessary language in paragraph (1) of Section 18.5.1, ERCOT Responsibilities and reviewed the Impact Analysis for NPRR1102. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

Market Participants noted the alternative schedule for development of an Impact Analysis proposed in the 1/6/22 ERCOT comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*Planning Guide Revision Request (PGRR) 099, Revise GIM Process to Ensure Compliance with the Lone Star Infrastructure Protection Act*

Market Participants reviewed the 1/6/22 ROS Report, Impact Analysis and recommended priority and rank for PGRR099. 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*

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

*NPRR1100, Emergency Switching Solutions for Energy Storage Resources*

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

*NPRR1110, Black Start Requirements Update*

PRS took no action on these items.

*NPRR1092, Remove RUC Offer Floor*

Market Participants reviewed NPRR1092 and noted the 1/5/22 WMS comments endorsing the 12/23/21 ERCOT comments. Market Participants opposed to NPRR1092 expressed concerns that reducing the Reliability Unit Commitment (RUC) floor could result in unnecessary price suppression and undercut market-based offers.

**Mr. Goff moved to recommend approval of NPRR1092 as amended by the 12/23/21 ERCOT comments. Bill Barnes seconded the motion. The motion carried via roll call ballot with seven objections from the Cooperative (3) (Golden Spread, LCRA, STEC), Independent Generator (3) (Luminant, Exelon, Calpine), and Independent Power Marketer (IPM) (EDF Trading) Market Segments, and six abstentions from the Independent Generator (Enel Green Power), IPM (2) (Tenaska, DC Energy), IOU (Oncor), and Municipal (2) (New Braunfels, GEUS) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1097, Create Resource Forced Outage Report*

Market Participants reviewed the 1/7/22 TCPA comments and 1/12/22 ERCOT comments. ERCOT Staff and PUCT Staff reiterated their desire to move forward with codifying in Protocols the information already reported under the PUCT Order. Market Participants opposed to NPRR1097 expressed concern that the existing report is a “data dump” of little use to the average reader along with confidentiality concerns. Market Participants offered clarifications to NPRR1097.

**Mr. Goff moved to recommend approval of NPRR1097 as revised by PRS. Mark Dreyfus seconded the motion.** Market Participants further discussed the issues and requested another month to work on potential compromises between NPRR1097 as submitted and the 1/7/22 TCPA comments proposal. Cory Phillips reviewed the Revision Request timeline and request for Urgent Status. Mr. Goff and Mr. Dreyfus accepted as a friendly amendment Mr. Haley’s suggestion that NPRR1097 be granted Urgent Status and be tabled. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*NPRR1111, Related to SCR819, Improving IRR Control to Manage GTC Stability Limits*

*SCR819, Improving IRR Control to Manage GTC Stability Limits*

Market Participants noted the 1/6/22 WMS comments and 1/12/22 ROS comments endorsing NPRR1111 and SCR819, and reviewed the Impact Analyses and appropriate priority and rank for SCR819. Ms. Henson noted these items could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Review of Revision Request Language (see Key Documents)

*NPRR1112, Elimination of Unsecured Credit Limits*

*NPRR1113, Clarification of Regulation-Up Schedule for Controllable Load Resources in Ancillary Service Imbalance*

*NPRR1114, Securitization – PURA Subchapter N Uplift Charges*

These items were considered with Urgent Status.

*SCR820, Operator Real-Time Messaging During Emergency*

Blake Gross summarized SCR820, and in response to Market Participant concerns and clarified that it provides supplemental communication tools not meant to displace required North American Electric Reliability Corporation (NERC) communication. Market Participants requested additional implementation details and suggested that the ERCOT Technology Working Group (TWG) review SCR820’s impact on ERCOT and Transmission Operators (TOs). Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Combined Ballot

**Clif Lange moved to approve the Combined Ballot as follows:**

* **To approve the December 14, 2021 PRS Meeting Minutes as presented**
* **To table NPRR1112 and refer the issue to WMS**
* **To grant NPRR1113 Urgent status; to recommend approval of NPRR1113 as amended by the 1/6/22 ERCOT comments; and to forward to TAC NPRR1113 and the Impact Analysis**
* **To grant NPRR1114 Urgent status; to recommend approval of NPRR1114 as amended by the 1/12/22 TEAM comments as revised by PRS; and to forward to TAC NPRR1114 and the Impact Analysis with a recommended priority of 2022 and rank of 320**
* **To endorse and forward to TAC the 12/14/21 PRS Report and Impact Analysis for NPRR1099**
* **To endorse and forward to TAC the 12/14/21 PRS Report as revised by PRS and Impact Analysis for NPRR1102**
* **To table SCR818**
* **To endorse the ROS-recommended priority of 2022 and rank of 310 for PGRR099**
* **To grant NPRR1097 Urgent status and table NPRR1097**
* **To recommend approval of NPRR1111 as submitted and to forward to TAC NPRR1111 and the Impact Analysis**
* **To recommend approval of SCR819 as submitted and to forward to TAC SCR819 and the Impact Analysis with a recommended priority of 2022 and rank of 3570**
* **To recommend approval of SCR820 as submitted**

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

Other Business (see Key Documents)

*2022 PRS Goals*

Ms. Henson encouraged Market Participants to review the 2021 PRS Goals and provide input for developing 2022 PRS Goals to be considered at the February 9, 2022 PRS Meeting.

Adjournment

Ms. Henson adjourned the January 13, 2022 PRS meeting at 12:11 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <https://www.ercot.com/calendar/event?id=1620941259877> unless otherwise noted [↑](#footnote-ref-1)