**APPROVED**

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

**Webex Only**

**Thursday, September 16, 2021 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Blakey, Eric | Just Energy |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Day, Smith | Denton Municipal Electric |  |
| 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:* |  |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Alford, Anthony | CenterPoint Energy |  |
| Anderson, Kevin | Customized Energy Solutions |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Berger, Joel | Customized Energy Solutions |  |
| Bivens, Carrie | Potomac Economics |  |
| Bunch, Kevin | EDF Trading |  |
| Bunyan, Michael | Jupiter Power |  |
| Burke, Tom  | Invenergy |  |
| Chamberlin, Jennifer  | Enerwise Global Technologies |  |
| Cochran, Seth | DC Energy |  |
| Coffee, Jennifer | Texas Pipelines |  |
| Coleman, Katie | TIEC |  |
| Cook, Tim | LS Power |  |
| Cortez, Sarai | Hunt Utility |  |
| Coultas, Ann | Enel Green Power |  |
| Damen, Jason | Energy Transfer |  |
| Davis, Derrick | Texas Reliability Entity |  |
| Detelich, David | CPS Energy |  |
| DiCosimo, Vincent | Targa Resources |  |
| Downey, Marty | Jupiter Power |  |
| Douglas, Robert | Priority Power |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Harvey, Julia | Texas Electric Cooperatives |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Helton, Bob | Engie |  |
| Hourihan, Mike | CPower Energy Management  |  |
| Jardot, Gina | NRG |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Jolly, Emily | Lower Colorado River Authority |  |
| Khayat, Maribel | CenterPoint Energy |  |
| Kilroy, Taylor | TPPA |  |
| King, Robert  | Good Company Associates |  |
| Lappas, Maria | Enel |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lee, Jim | AEP TX |  |
| Lewis, Coleman | Pioneer Natural Resources |  |
| Lotter, Eric | Grid Monitor |  |
| Matt, Kevin | NRG |  |
| Martin, Collin | Oncor |  |
| McKeever, Debbie | Oncor |  |
| Miller, Alexandra | EDF  |  |
| Miller, David | Grid Matic |  |
| Morris, Sandy | Customized Energy Solutions |  |
| Nguyen, Andy | LCRA |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Pyka, Greg | Schneider Engineering |  |
| Rainwater, Kim | LCRA |  |
| Ramaswamy, Ramya | PUCT |  |
| Reedy, Steve | CIM View Consulting |  |
| Reid, Walter | Advanced Power Alliance |  |
| Richmond, Michele | TCPA |  |
| Sams, Bryan | Calpine  |  |
| Schwertner, Russ | PPM |  |
| Scott, Kathy | CenterPoint Energy |  |
| Shumate, Walt |  |  |
| Siddiqi, Shams | Crescent Power Consulting |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Strickland, John | NRG |  |
| Surendran, Resmi | Shell Energy |  |
| Townsend, Aaron | Potomac Economics |  |
| Troy, Roy | ACES Power |  |
| Velasquez, Ivan | Oncor |  |
| Villasana, Kristi | NBU |  |
| Welborn, Laura | Jupiter Power |  |
| White, Lauri | AEP |  |
| Wittmeyer, Bob | Broad Reach Power |  |
| Yu, Joel | Enchanted Rock |  |
| Zarnikau, Jay | Frontier Energy |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Barati, Camron |  |  |
| Bigbee, Nathan |  |  |
| Billo, Jeff |  |  |
| Blevins, Bill |  |  |
| Boren, Ann |  |  |
| Bracy, Phil  |   |  |
| Castillo, Leo |  |  |
| Chen, Yong |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Dinopol, Ohlen |  |  |
| Dwyer, Davida |  |  |
| Fohn, Doug |  |  |
| Garcia, Freddy |  |  |
| Gnanam, Prabhu |  |  |
| Gonzalez, Ino |  |  |
| Hanna, Mick |  |  |
| Hobbs, Kristi |  |  |
| House, Donald |  |  |
| Hughes, Lindsey |  |  |
| Koepke, Joel |  |  |
| Krein, Steve |  |  |
| Lasher, Warren |  |  |
| Levine, Jonathan |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Mereness, Matt |  |  |
| Michelsen, David |  |  |
| Moreno, Alfredo |  |  |
| Pedigo, Jake |  |  |
| Phillips, Cory |  |  |
| Reich, Zach |  |  |
| Rickerson, Woody |  |  |
| Rios, Diana |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Schmall, John |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Smith, Nathan |  |  |
| Spells, Vanessa |  |  |
| Stice, Clayton |  |  |
| Teixeira, Jay |  |  |
| Woodfin, Dan |  |  |
| Troublefield, Jordan |  |  |
| Warnken, Pete |  |  |
| Zeplin, Rachel |  |  |

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

Martha Henson called the September 16, 2021 PRS meeting to order at 1:00 p.m.

Antitrust Admonition

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

Waive Notice for Voting Items

**Bob Wittmeyer moved to waive notice in order to consider PRS voting items. Shawnee Claiborn-Pinto** **seconded the motion. The motion carried unanimously via roll call vote.** *(Please see ballot posted with Key Documents.)*

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

*August 12, 2021*

Market Participants reviewed August 12, 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 reviewed the disposition of items considered at the August 27, 2021 TAC meeting and encouraged Market Participants to attend the September 17, 2021 Annual TAC/TAC Subcommittee Structural and Procedural Review at 1:00 p.m.

Project Update and Summary of Project Priority List (PPL) Activity to Date (see Key Documents)

Troy Anderson provided a project update and summary of PPL activity and reviewed the 2021 release targets. Mr. Anderson highlighted in-flight Strategic projects, including Distributed Generation Resource (DGR)/Distribution Energy Storage Resources (DESRs), and noted that the Battery Energy Storage (BES) Combo Model implementation strategies target go-live date is still in development as the project is on hold until resources are available and there is potential for multiple go-lives. Nitika Mago presented a high level summary of the Fast-Frequency Response (FFR) Advancement project changes, announced the October 27, 2021 Project Workshop, reviewed the testing timeline, and noted updates to the Business Practice manuals would be posted on November 5, 2021. Mr. Anderson summarized the projects underway to automate critical aspects of securitization, noted multiple delivery phases are expected and stated that there is significant impact on resources in Settlement and Credit areas. Mr. Anderson presented the priority and rank options for Revision Requests requiring projects.

Urgency Vote(s) (see Key Documents)

*Nodal Protocol Revision Request (NPRR) 1092, Remove RUC Offer Floor*

Carrie Bivens summarized the request for Urgent status for NPRR1092.

**Bill Barnes moved to grant NPRR1092 Urgent status. Mr. Wittmeyer seconded the motion.** Ms. Bivens summarized NPRR1092 and previous discussions at the Wholesale Market Working Group (WMWG). Some Market Participants expressed concern for urgent Revision Requests to address specific issues rather than awaiting Public Utility Commission of Texas (PUCT) direction on the anticipated market redesign and then a holistic review of the issues. Other Market Participants expressed concern for the Reliability Unit Commitment (RUC) Process, and discussed whether the RUC floor should be removed entirely, rather than lowered. Ms. Bivens withdrew her request for Urgent Status for NPRR1092. **Mr. Barnes withdrew his motion to grant NPRR1092 Urgent status. Mr. Wittmeyer withdrew his second.** Market Participants requested additional 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).

*NPRR1093, Load Resource Participation in Non-Spinning Reserve*

Sandip Sharma summarized the request for Urgent status for NPRR1093. Market Participants expressed support to consider NPRR1093 for Urgent status. Mr. Sharma summarized NPRR1093 and the 9/10/21 ERCOT comments. Clif Lange reviewed the 9/15/21 Joint Commenters comments. Some Market Participants voiced concern that NPRR1093, as written, could negatively impact existing Generation Resources providing Non-Spinning Reserve (Non-Spin), and opined that some minimum floor of MWs provided by Security-Constrained Economic Dispatch (SCED) dispatchable Resources should be added. In response, clarifications were added to Section 3.16, Standards for Determining Ancillary Service Quantities to provide for approval of such a minimum. Market Participants reviewed the appropriate priority and rank for NPRR1093.

**Mr. Barnes moved to grant NPRR1093 Urgent status; to recommend approval of NPRR1093 as amended by the 9/10/21 ERCOT comments as revised by PRS; and to forward to TAC NPRR1093 and the Impact Analysis with a recommended priority of 2021 and rank of 3195. Clayton Greer seconded the motion.** **The motion** **carried** **via roll call ballot with three objections from the Cooperative (2) (LCRA, STEC) and Independent Generator (Luminant) Market Segments and seven abstentions from the Cooperative (2) (Golden Spread, Brazos Electric), Independent Generator (2) (Exelon, Calpine), and Municipal (3) (DME, Austin Energy, CPS Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

*NPRR1082, Emergency Response Service (ERS) Test Exception for Co-located ERS Loads*

Market Participants reviewed the Impact Analysis for NPRR1082.

**Mr. Wittmeyer moved** **to endorse and forward to TAC the 8/12/21 PRS Report and Impact Analysis for NPRR1082. Bob Helton seconded the motion. The motion carried via roll call ballot with one objection from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment and two abstentions from the Cooperative (STEC) and Independent Generator (Luminant) Market Segments.** *(Please see ballot posted with Key Documents.)*

*Planning Guide Revision Request (PGRR) 094, Clarify Notification Requirement for Generator Construction Commencement or Completion*

Market Participants reviewed the Revised Impact Analysis and the Reliability and Operations Subcommittee (ROS) recommended priority and rank for PGRR094. 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*

*System Change Request (SCR) 816, CRR Auction Bid Credit Enhancement*

PRS took no action on these items.

*NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification*

Tom Burke summarized NPRR1056 and the 9/15/21 Invenergy comments. Market Participants reviewed the 5/14/21 ERCOT comments, 5/26/21 Joint Commenters comments, 6/4/21 WMS comments, and 9/2/21 ROS comments and acknowledged that NPRR1056 was discussed in numerous working groups and a workshop. Market Participants debated the value of the additional report ERCOT would produce as a result of NPRR1056, and considered whether it was premature to reject NPRR1056 in light of the proposal to expand the Quarterly Stability Assessment. Some Market Participants reiterated ERCOT’s concern for the broader release of security-sensitive information used in developing GTCs.

**Mr. Wittmeyer moved to reject NPRR1056. Blake Gross seconded the motion. The motion carried via roll call ballot with five objections from the Independent Generator (4) (Engie, Invenergy, Enel Green Power, EDP Renewables) and IPM (Morgan Stanley) Market Segments and four abstentions from the Consumer (Occidental), Independent Generator (Luminant), IPM (Tenaska) and Independent Retail Electric Provider (IREP) (Just Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs*

Bill Blevins summarized NPRR1077 and the 8/16/21 ERCOT comments, noted the 9/3/21 WMS comments and 9/3/21 ROS comments, reminded Market Participants of the July 22, 2021 Workshop on telemetry and that no comments from SOGs have been received, and requested PRS consideration on NPRR1077. Some Market Participants expressed concern for costs impacts related to requirements for all SOGs to provide telemetry at the distribution level and requested additional time to review the issues. Mrs. Henson noted PRS would consider NPRR1077 at the October 14, 2021 PRS meeting.

*NPRR1087, Prohibit Participation of Critical Loads and Generation Resource Support Loads as Load Resources or ERS Resources – URGENT*

Market Participants reviewed NPRR1087, the 9/1/21 Luminant, and 9/3/21 ERCOT comments.

**Melissa Trevino moved to recommend approval of NPRR1087 as amended by the 9/3/21 ERCOT comments; and to forward to TAC NPRR1087 and the Impact Analysis. Mr. Wittmeyer seconded the motion.** **The motion carried via roll call ballot with one objection from IPM (Morgan Stanley) Market Segment. The IREP Market Segment did not participate in the vote.** *(Please see ballot posted with Key Documents.)*

*NPRR1090, ERS Winter Storm Uri Lessons Learned Changes and Other ERS Items*

Market Participants reviewed the request for Urgent status outlined in the 8/25/21 ERCOT comments, additional changes proposed in the 9/7/21 WMS comments, and the appropriate priority and rank for NPRR1093.

**Ms. Claiborn-Pinto moved to grant NPRR1090 Urgent status; to recommended approval of NPRR1090 as amended by the 9/7/21 WMS comments as revised by PRS; and to forward to TAC NPRR1090 and the Impact Analysis with a recommended priority of 2021 and rank of 3360. Mr. Wittmeyer seconded the motion. The motion carried via roll call ballot with one objection from the IPM (Morgan Stanley) Market Segment. The IREP Market Segment did not participate in the vote.** *(Please see ballot posted with Key Documents.)*

Review of Revision Request Language (see Key Documents)

*NPRR1091, Changes to Address Market Impacts of Additional Non-Spin Procurement*

Resmi Surendran summarized NPRR1091 and previous discussions at WMWG meetings. Market Participants request WMS review the issues. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1092, Remove RUC Offer Floor*

NPRR1092 item was considered under Urgent status.

*NPRR1093, Load Resource Participation in Non-Spinning Reserve*

NPRR1093 was considered with Urgent status.

*NPRR1094, Allow Under Frequency Relay Load to be Manually Shed During EEA3*

Collin Martin summarized NPRR1094 and the 9/15/21 Oncor comments. Ms. Henson noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

Combined Ballot

**Mr. Greer moved to approve the Combined Ballot as follows:**

* **To approve the August 12, 2021 PRS Meeting Minutes as presented**
* **To table NPRR1092 and refer the issue to WMS**
* **To endorse the ROS recommended priority of 2022 and rank of 3540 for PGRR094**
* **To table NPRR1091 and refer the issue to WMS**
* **To recommend approval of NPRR1094 as amended by the 9/15/21 Oncor comments**

**Ian Haley seconded the motion. The motion carried unanimously via roll call vote.** **The IREP Market Segment did not participate in the vote.**  *(Please see ballot posted with Key Documents.)*

Other Business

*ListServ Issue*

Mick Hanna summarized recent Listserv issues and delays, highlighted Next Steps, noted the first site failover is planned for Sunday, September 19, 2021. Mr. Hanna stated that ERCOT is reporting ListServ performance and metrics to the Retail Market Subcommittee (RMS) and the Texas Data Transport and MarkeTrak Systems (TDTMS) Working Group and that the ListServ SLAs will be defined and shared on the ERCOT website with the Market Data Transparency and Retail SLA documents.

Adjournment

Ms. Henson adjourned the September 16, 2021 PRS meeting at 1:19 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2021/9/16/214166-PRS> unless otherwise noted [↑](#footnote-ref-1)