**DRAFT**

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

**Webex Only**

**Thursday, August 13, 2020 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Coleman, Diana | CPS Energy |  |
| Haley, Ian | Luminant Generation |  |
| Heino, Shari | Brazos Electric Cooperative |  |
| Henson, Martha | Oncor |  |
| Mindham, David | EDP Renewables |  |
| Morris, Sandy | Direct Energy |  |
| Ross, Richard | AEP Service Corporation | Alt. Rep. for Blake Gross |
| Smith, Day | Denton Municipal Electric |  |
| Trevino, Melissa | Occidental Chemical |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
|  |  |  |
| *Guests:* |  |  |
| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Alford, Anthony | CenterPoint Energy |  |
| Allen, Thresa | Avangrid Renewables |  |
| Basaran, Harika | PUCT |  |
| Beck, Betsy | Enel Green Power North America |  |
| Bennett, Stacie | Lone Star Transmission |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blakey, Eric | Just Energy |  |
| Bodden, Dale | CenterPoint Energy |  |
| Bonskowski, Ned | Vistra |  |
| Bruce, Mark | Cratylus Advisors |  |
| Bunch, Kevin | EDF Trading |  |
| Burnett, Benjamin | CenterPoint Energy |  |
| Carson, Michael | Trafigura |  |
| Checkley, Jim | Cross Texas Transmission |  |
| Cochran, Seth | DC Energy |  |
| Coleman, Katie  | TIEC |  |
| Cook, Tim | CTT |  |
| Cortez, Sarai | Sharyland |  |
| Daigneault, Ralph | Potomac Economics |  |
| Detelich, David | CPS Energy |  |
| Downey, Martin |   |  |
| Dumas, John | LCRA |  |
| Farhangi, Anoush | Demand Control 2 |  |
| Godwin, Rich | Cormint Data Systems |  |
| Harvey, Julia | Texas Electric Cooperative |  |
| Henderson, Natasha | GSEC |  |
| Jewell, Michael | Jewell and Associates |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Jolly, Emily | LCRA |  |
| Kee, David | CPS Energy |  |
| Kroskey, Tony | Brazos Electric Cooperative |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lee, Jim | AEP TX |  |
| Loving, Alicia | Austin Energy |  |
| Martin, Collin | Oncor |  |
| McClellan, Suzi | Good Company and Associates |  |
| McKeever, Debbie | Oncor |  |
| Mendoza, Albert | Oxy |  |
| Musher, Danny | Key Capture Energy |  |
| Nagarajan, Ramya | CTT |  |
| Nguyen, Andy | LCRA |  |
| Peters, Patrick | CenterPoint Energy |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Reader, Raborn | Enterprise Productions |  |
| Reedy, Steve | Potomac Economics |  |
| Reid, Walter | Advanced Power Alliance |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Richmond, Michele | TCPA |  |
| Rochelle-Bradburn, Jennifer | Customized Energy Solutions |  |
| Ross, Richard  | AEP Service Corporation |  |
| Sams, Bryan | Calpine Corporation |  |
| Schauer, Trent | AB Power Advisors |  |
| Scott, Kathy | CenterPoint Energy |  |
| Siddiqi, Shams | Crescent Power  |  |
| Simpson, Lori | Exelon |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Chris | Austin Energy |  |
| Smith, Mark | Nucor |  |
| Surendran, Resmi | Shell Energy |  |
| Thompson, David | Pedernales Electric Cooperative  |  |
| Tooney, Megan | Talen Energy |  |
| Tran, Diane | TIEC |  |
| True, Roy | ACES Power |  |
| Velasquez, Ivan | Oncor |  |
| Villasana, Kristina | NBU Texas |  |
| White, Lauri | AEP Service Corporation |  |
| Wittmeyer, Bob | Longhorn Power |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Ayson, Janice |  |  |
| Bauld, Mandy |  |  |
| Bigbee, Nathan |  |  |
| Boren, Ann |  |  |
| Boswell, Bill |  |  |
| Bracy, Phil  |   |  |
| Castillo, Leo |  |  |
| Chen, Jian |  |  |
| Clifton, Suzy |  |  |
| Covington, Austin |  |  |
| Dinopol, Ohlen |  |  |
| Fleming, Lauren |  |  |
| Gonzalez, Ino |  |  |
| Gore, Amy |  |  |
| Hanson, Kevin |  |  |
| Hill, Lucian |  |  |
| Hobbs, Kristi |  |  |
| Holt, Blake |  |  |
| Hughes, Lindsey |  |  |
| Hui, Hailong |  |  |
| Hull, Gibson |  |  |
| Jin, Julie |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Kapiloff, Leonard |  |  |
| Lasher, Warren |  |  |
| Lowe, Cagle |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Maul, Donald |  |  |
| Mereness, Matt |  |  |
| Morehead, Juliana |  |  |
| Ögelman, Kenan |  |  |
| Opheim, Calvin |  |  |
| Orr, Rob |  |  |
| Phillips, Cory |  |  |
| Rickerson, Woody |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Shimp, Tedd |  |  |
| Solis, Stephen |  |  |
| Sopko, Leslie |  |  |
| Stice, Clayton |  |  |
| Taylor, Sean |  |  |
| Teixeira, Jay |  |  |
| Thompson, Chad |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Wattles, Paul |  |  |
| Williams, Leslie |  |  |
| Woodfin, Dan |  |  |
| Xiao, Hong |  |  |
| Zeplin, Rachel |  |  |

*Unless otherwise indicated, all Market Segments were present for a vote.*

Martha Henson called the August 13, 2020 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)

*July 16, 2020*

Market Participants reviewed the July 16, 2020 PRS Meeting Minutes. Ms. Henson noted this item was slated for inclusion in the [Combined Ballot](#Combined_Ballot).

Technical Advisory Committee (TAC) and Board Reports

Ms. Henson reported the disposition of items considered at the July 29, 2020 TAC meeting and the August 11, 2020 Urgent Board of Directors meeting.

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, reviewed the 2020 release targets and 2020 and 2021 project spending forecasts. Mr. Anderson stated that ERCOT will temporarily suspend reporting of Revision Request spending against the annual funding placeholder due to the unique challenges leading up to Real Time Co-optimization (RTC) go-live in consideration of Battery Energy Storage (BES) and Distributed Generation Resource (DGR) related Revision Requests, and that market priority and ERCOT Staff availability will be the driving factors for project selection. Mr. Anderson summarized the prioritization categories and presented the Revision Request Prioritization List for PRS consideration. Market Participants discussed the high priority projects and resource constraints, and offered clarifications to the Revision Request Prioritization List. Ms. Henson requested ERCOT Staff post the revised Revision Request Prioritization List to the PRS landing page.

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

*Nodal Protocol Revision Request (NPRR) 999, DC Tie Ramp Limitations*

Mr. Anderson requested additional time to review the Impact Analysis for NPRR999. Ms. Henson noted this item was slated for inclusion in the [Combined Ballot](#Combined_Ballot).

*NPRR1027, Removal of Grey-Boxed Language Related to NPRR702, Flexible Accounts, Payment of Invoices, and Disposition of Interest on Cash Collateral*

Ms. Henson noted NPRR1027 was slated for inclusion in the [Combined Ballot](#Combined_Ballot).

Revision Requests Tabled at PRS (see Key Documents)

*NPRR945, Net Metering Requirements*

*NPRR956, Designation of Providers of Transmission Additions*

*NPRR966, Changes to Support Reactive Power Coordination Tool*

*NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols*

*NPRR981, Day-Ahead Market Price Correction Process*

*NPRR994, Clarify Generator Interconnection Neutral Project Classification*

*NPRR995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage*

*NPRR1001, Clarification of Definitions of Operating Condition Notice, Advisory, Watch, Emergency Notice, and Related Clarifications*

*NPRR1005, Clarify Definition of Point of Interconnection (POI) and Add Definition Point of Interconnection Bus (POIB)*

*NPRR1007, RTC – NP 3: Management Activities for the ERCOT System*

*NPRR1008, RTC – NP 4: Day-Ahead Operations*

*NPRR1009, RTC – NP 5: Transmission Security Analysis and Reliability Unit Commitment*

*NPRR1010, RTC – NP 6: Adjustment Period and Real-Time Operations*

*NPRR1011, RTC – NP 8: Performance Monitoring*

*NPRR1012, RTC – NP 9: Settlement and Billing*

*NPRR1013, RTC – NP 1, 2, 16, and 25: Overview, Definitions and Acronyms, Registration and Qualification of Market Participants, and Market Suspension and Restart*

*NPRR1014, BESTF-4 Energy Storage Resource Single Model*

*NPRR1017, Management of Congestion Revenue Rights (CRRs) and Resource Node Removals*

*NPRR1023, Change to CRR Repossession Process*

*NPRR1024, Determination of Significance with Respect to Price Correction*

*NPRR1026, BESTF-7 Self-Limiting Facilities and Self-Limiting Resources*

*NPRR1028, RUC Process Alignment with Resource Limits*

*NPRR1029, BESTF-6 DC-Coupled Resources*

PRS took no action on these items.

*NPRR1025, Remove Real-Time On-Line Reliability Deployment Price from Ancillary Service Imbalance Calculation – URGENT*

John Dumas summarized NPRR1025 and the 7/14/20 WMS comments. Carrie Bivens noted the current design is superior to the proposed design and encouraged stakeholders to consider rejecting NPRR1025. Resmi Surendran reviewed the 7/24/20 Shell Energy comments.

**Andy Nguyen moved to recommend approval of NPRR1025 as submitted. Bill Barnes seconded the motion. The motion carried via roll call ballot with five opposing votes from the Independent Power Marketer (IPM) (Shell Energy), Independent Retail Electric Provider (IREP) (Direct Energy), and Municipal (3) (DME, Austin Energy, CPS Energy) Market Segments, and three abstentions from the Consumer (Nucor), Cooperative (Golden Spread), and IPM (Tenaska) Market Segments.** *(Please see ballot posted with Key Documents.)*

Review of Revision Request Language (see Key Documents)

*NPRR1031, Notices for Curtailment of Load*

Market Participants discussed NPRR1031. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1032, Consideration of Physical Limits of DC Ties in RUC Optimization and Settlements*

Dave Maggio summarized NPRR1032. Market Participants discussed the cost of NPRR1032 and the possibility of incorporating it into the RTC project. Mr. Maggio offered to provide an update on the implementation timelines of NPRR1032 and the RTC project at the September 10, 2020 PRS meeting. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1033, Clarification of Financial Security Interest Payment and Withholding Processes Upon Termination of Market Participant Standard Form Agreement*

Mark Ruane summarized NPRR1033. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1034, Frequency-Based Limits on DC Tie Imports or Exports*

Mark Bruce summarized NPRR1034. Market Participants requested tabling NPRR1034 and review of the issues by the Reliability Operations Subcommittee (ROS). Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1035, DC Tie Schedules Protected Information Expiry and Posting*

Dan Jones summarized NPRR1035. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1036, Late Payment Enforcement Provisions*

Mr. Ruane summarized NPRR1036. Mr. Barnes noted that the Credit Work Group (Credit WG) and the Market Credit Working Group (MCWG) reviewed the concepts in NPRR1036. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1037, Correction to the Settlement of Switchable Generation Resources (SWGRs) Instructed to Switch to ERCOT*

Ino Gonzalez summarized NPRR1037. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*System Change Request (SCR) 811, Addition of Intra-Hour PhotoVoltaic Power Forecast to GTBD Calculation*

Nitika Mago summarized SCR811 and recommended it be tabled and the issues referred to ROS and the Wholesale Market Subcommittee (WMS) for review. Ms. Henson noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Notice of Withdrawal (see Key Documents)

*NPRR947, Clarification to Ancillary Service Supply Responsibility Definition and Improvements to Determining and Charging for Ancillary Service Failed Quantities*

Ms. Henson noted the withdrawal of NPRR947.

Combined Ballot

**Shawnee Claiborn-Pinto moved to approve the Combined Ballot as follows:**

* **To approve the July 16, 2020 PRS meeting minutes as submitted**
* **To table NPRR999**
* **To endorse and forward to TAC the 7/16/20 PRS Report and Impact Analysis for NPRR1027**
* **To recommend approval of NPRR1031 as submitted**
* **To table NPRR1032**
* **To recommend approval of NPRR1033 as submitted**
* **To table NPRR1034 and refer the issue to ROS**
* **To recommend approval of NPRR1035 as submitted**
* **To recommend approval of NPRR1036 as submitted**
* **To recommend approval of NPRR1037 as submitted**
* **To table SCR811 and refer the issue to ROS and WMS**

**Mr. Barnes seconded the motion. The motion carried via roll call vote with one abstention from the Investor Owned Utility (IOU) (Lone Star Transmission) Market Segment.** *(Please see ballot posted with Key Documents.)*

Other Business

*TAC Subcommittee Structural Review*

Ms. Henson noted the disbanding of the Resource Definition Task Force (RTF) at the July 16, 2020 PRS meeting and encouraged Market Participants to submit recommendations for PRS meeting efficiencies in advance of the September 17, 2020 TAC and TAC Subcommittee Structural and Procedural Review.

*2021 Meeting Schedule*

Market Participants reviewed the 2021 Meeting Calendar.

Adjournment

Ms. Henson adjourned the August 13, 2020 PRS meeting at 1:17 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at http://www.ercot.com/calendar/2020/8/13/188383-PRS unless otherwise noted [↑](#footnote-ref-1)