**APPROVED**

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

**ERCOT Austin – 7620 Metro Center Drive – Austin, Texas 78744**

**Thursday, October 13, 2016 – 9:30am**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
| Coleman, Diana | OPUC |  |
| Detelich, David | CPS Energy |  |
| Greer, Clayton | Morgan Stanley |  |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lyons, Chris | Exelon |  |
| Messer, Tayaun | Rayburn Country Electric Cooperative |  |
| Peters, Patrick | CenterPoint Energy |  |
| Sams, Bryan | Reliant Energy Retail Services | Alt. Rep. for Bill Barnes |
| Sandidge, Clint | Noble Americas |  |
| Smith, Day | Denton Municipal Electric |  |
| Trevino, Melissa | Occidental Chemical  |  |
| Varnell, John | Tenaska Power Services |  |

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| --- | --- | --- |
| *Guests:* |  |  |
| Ainspan, Malcom | NRG | Via Teleconference |
| Bevill, Jennifer | CES |  |
| Bryant, Mark | PUCT | Via Teleconference |
| Checkley, Jim | Cross Texas |  |
| Cochran, Seth | DC Energy | Via Teleconference |
| Cripe, Ramsey | Schneider Engineering |   |
| Downey, Marty | Viridity |  |
| English, Barksdale | Austin Energy |  |
| Goff, Eric | Citigroup Energy |  |
| Gross, Blake | AEPSC |  |
| Haley, Ian | Luminant |  |
| Havemann, Steven | Austin Energy | Via Teleconference |
| Henson, Martha | Oncor |  |
| Hyzinski, Thomas | Talen Energy | Via Teleconference |
| Jones, Randy | Calpine |  |
| Juricek, Mike | Oncor | Via Teleconference |
| Kee, David | CPS Energy |  |
| Lange, Clif | STEC |  |
| Morris, Sandy | Direct Energy |  |
| Reedy, Steve | Potomac Economics |  |
| Rehfeldt, Diana | TNMP | Via Teleconference |
| Scott, Kathy | CenterPoint Energy | Via Teleconference |
| Siddiqi, Shams | Crescent Power |  |
| Tessema, Biruk | Austin Energy | Via Teleconference |
| Thomas, Wayne | Bryan Texas Utilities  | Via Teleconference |
| Thurnher, Greg | Shell Energy |  |
| Turner, Lucas | STEC | Via Teleconference |
| Watson, Mark | S & P Global Platts | Via Teleconference |
| Whittle, Brandon | Megawatt Analytics | Via Teleconference |
| Wittmeyer, Bob | Denton Municipal Electric |  |
| Woodruff, Taylor | Oncor | Via Teleconference  |
| Wu, Li | Wind Energy of Texas | Via Teleconference |
| Zake, Diana | Lone Star Transmission |  |
| Zerwas, Rebecca | NRG |  |
|  |  |  |
| *ERCOT Staff* |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Billo, Jeff |  |  |
| Bivens, Carrie |  |  |
| Boswell, Bill |  | Via Teleconference |
| Bracy, Phil  |  | Via Teleconference |
| Butterfield, Lindsay |  |  |
| Castillo, Leo |  | Via Teleconference |
| Chen, Jian |  | Via Teleconference |
| Clifton, Suzy |  |  |
| Dovalina, Julio |  | Via Teleconference |
| Fleming, Lauren |  |  |
| Gonzalez, Ino |  |  |
| Hanson, Kevin |  | Via Teleconference |
| Hobbs, Kristi |  |  |
| Holt, Blake |  | Via Teleconference |
| Landry, Kelly |  |  |
| Maggio, Dave |  | Via Teleconference |
| Matlock, Robert |  | Via Teleconference |
| Moreno, Alfredo |  | Via Teleconference |
| Pabbisetty, Suresh |  | Via Teleconference |
| Phillips, Cory |  |  |
| Reed, Bobby |  | Via Teleconference |
| Rosel, Austin |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pam |  | Via Teleconference |
| Simons, Diane |  | Via Teleconference |
| Spells, Vanessa |  |  |
| Teixeira, Jay |  | Via Teleconference |
| Thompson, David |  |  |
| Townsend, Aaron |  | Via Teleconference |
| Zeplin, Rachel |  |  |

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

Chris Lyons called the October 13, 2016 PRS meeting to order at 9:30 a.m.

Antitrust Admonition

Mr. Lyons directed attention to the Antitrust Admonition, which was displayed.

Agenda Review

There were no changes to the agenda order.

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

*September 15, 2016*

**Bryan Sams moved to approve the September 15, 2016 PRS meeting minutes as submitted. John Varnell seconded the motion. The motion carried unanimously**

Technical Advisory Committee (TAC) and Board Report (See Key Documents)

Mr. Lyons reviewed the disposition of revision requests considered at the September 29 TAC and October 11, 2016 ERCOT Board meetings.

*Incorporation of Other Binding Documents into Protocols/Guides – Next Steps*

Cory Phillips reviewed the list of current Other Binding Documents and the proposed process to incorporate them into the ERCOT Protocols and Market Guides as requested by TAC. Market Participants expressed support of the proposed next steps. Mr. Phillips encouraged Market Participants to review the spreadsheet and provide feedback. Some Market Participants expressed concerns that ERCOT currently has authority to change Other Binding Documents without stakeholder approval.

*Proposed Revision Request Process Changes*

Mr. Phillips reviewed proposed changes to the Revision Request process that were vetted at TAC including that Guide revisions being originally considered at the voting Subcommittee level, and Nodal Protocol Revision Requests (NPRRs) and their accompanying Guide revisions will both require ERCOT Board approval.

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 changes to the 2016 release targets and spending forecast for 2016 and 2017, and presented priority and rank options for revision requests with impacts. Mr. Anderson reviewed the Aging Projects list and requested Market Participants provide guidance at the November 10, 2016 PRS meeting.

Review PRS Reports, Impact Analyses, and Prioritization

*NPRR783, Revision of Network Operations Model Consistency Audit Requirement*

*NPRR791, Clarifications to IEL, MCE and Aggregate Amount Owed by Breaching Party*

**Clayton Greer moved to endorse and forward to TAC the respective 9/15/16 PRS Reports and Impact Analyses for NPRR783 and NPRR791. Melissa Trevino seconded the motion. The motion carried unanimously.**

*NPRR790, Addition of Phase Angle Limits to the Network Operations Model*

**Mr. Greer moved to endorse and forward to TAC the 9/15/16 PRS Report and the Impact Analysis for NPRR790 with a recommended priority of 2017 and a rank of 1850. Clif Lange seconded the motion. The motion carried unanimously.**

*NPRR797, Actual Load by Forecast Zone Report and Display*

Market Participants discussed the potential project cost savings by pairing NPRR797 with the implementation of NPRR789, Publish All Load Forecast Results.

**Mr. Greer moved to endorse and forward to TAC the 9/15/16 PRS Report and the Impact Analysis for NPRR797 with a recommended priority of 2017 and a rank of 1860. Eric Goff seconded the motion. The motion carried unanimously.**

*NPRR801, Non-Controllable Load Resource Megawatt (MW) in Physical Responsive Capability (PRC)*

*Associated revisions to the Methodology for Implementing Operating Reserve Demand Curve (ORDC) to Calculate Real-Time Reserve Price Adder*

David Thompson proposed additional clarifications to address minor Settlement inconsistencies. Proposed changes to the associated Other Binding Document, Methodology for Implementing Operating Reserve Demand Curve (ORDC) to Calculate Real-Time Reserve Price Adder, were also reviewed.

**Mr. Greer moved to endorse and forward to TAC the 9/15/16 PRS Report as revised by PRS and the Impact Analysis for NPRR801 with a recommended priority of 2017 and a rank of 1870. Sandy Morris seconded the motion. The motion carried unanimously.**

Review of Pending Project Priorities (see Key Documents)

Mr. Anderson presented project starts planned for October 2016 and January 2017.

Revision Requests Tabled at PRS (see Key Documents)

*NPRR562, Subsynchronous Resonance*

*NPRR697, Disclosure of Protected Information for Research and Coordination Purposes*

*NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories*

*NPRR776, Voltage Set Point Communication*

*NPRR777, ERCOT-directed Dispatch of Price-Responsive Distributed Generation*

*NPRR794, Relocation of Unregistered DG Reporting Requirements*

*NPRR796, Extended Character Set Clean Up*

*NPRR798, Additional CRR Accounts Request*

*NPRR799, Updates to Outages of Transmission Facilities*

*NPRR800, Revisions to Credit Exposure Calculations to Use Electricity Futures Market Prices*

*SCR785, Update RTL calculation to include Real-Time Reserve Price Adder based components*

PRS no action on these items. Mr. Greer requested that the status of aging tabled revision requests be reviewed at the November PRS meeting.

*NPRR792, Changing Special Protection System (SPS) to Remedial Action Scheme (RAS)*

Mr. Lyons reviewed NPRR792, the related Impact Analysis and 10/6/16 ERCOT comments. Sandip Sharma stated that the $30k – 40k budgetary impact is a result of required code changes in multiple systems, including Energy Management System (EMS) due to the change in terminology.

**Mr. Greer moved to recommend approval of NPRR792 as amended by the 10/6/16 ERCOT comments. Barksdale English seconded the motion. The motion carried unanimously.**

Review of Revision Request Language (see Key Documents)

*NPRR802, Settlements Clean-up*

Market Participants discussed that additional consideration should be given to the proposed language changes.

**Mr. Greer moved to table NPRR802 and refer the issue to Commercial Operations Subcommittee (COPS) and Wholesale Market Subcommittee (WMS). Mr. Goff seconded the motion. The motion carried unanimously.**

*NPRR803, Remove Grey-boxed Language from NPRR439, Updating a Counter-Party’s Available Credit Limit for Current Day Day-Ahead Market (DAM)*

Carrie Bivens reviewed NPRR803 stating that during the Credit Monitoring and Management Application (CMM) upgrade, ERCOT evaluated the operational impacts of implementing NPRR439 and proposed alternate language. It was noted that the Credit Work Group (Credit WG) reviewed NPRR803 and had no objections.

**Mr. Sams moved to recommend approval of NPRR803 as submitted. Mr. English seconded the motion. The motion carried unanimously.**

*NPRR804, Remove Posting Requirement for One-Line Diagram*

Ms. Bivens reviewed NPRR804 stating that the Keyhole Markup Language (KML) file that is published in the Congestion Revenue Rights (CRR) Network Model monthly is becoming unsupportable for future system upgrades without software system updates, and that ERCOT proposes eliminating this report. Several Market Participants expressed concern with eliminating a report used by the market and requested additional consideration by WMS.

**Mr. English moved to table NPRR804 and refer the issue to WMS. Mr. Greer seconded the motion. The motion carried unanimously.**

Notice of Withdrawal

*NPRR759, Segmentation of the Total New Capacity Estimate in the ERCOT CDR*

*NPRR772, Clarification of Process for Transmission Outages Related to a Service Disconnection Request for a Generation Resource*

Mr. Lyons noted the withdrawal of NPRR759 and NPRR772.

Other Business

Suzy Clifton reminded Market Participants that the membership date of record is Friday, November 11, 2016.

Mr. Lyons announced his resignation as PRS Vice Chair. Market Participants thanked him for his service.

Adjournment

Mr. Lyons adjourned the October 13, 2016 PRS meeting at 10:47 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at <http://www.ercot.com/calendar/2016/10/13/76968-PRS> unless otherwise noted [↑](#footnote-ref-1)