**APPROVED**

**Minutes of the Wholesale Market Subcommittee (WMS) Meeting**

**Webex Only**

**Wednesday, July 7, 2021– 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Barnes, Bill | Reliant Energy Retail Services |  |
| Bierschbach, Erika | Austin Energy |  |
| Burke, Tom | Invenergy |  |
| Carpenter, Jeremy | Tenaska Power Services |  |
| Claiborn-Pinto, Shawnee | OPUC |  |
| Cochran, Seth | DC Energy |  |
| Detelich, David | CPS Energy |  |
| Downey, Marty | Jupiter Power |  |
| Evans, Mike | Brazos Electric Cooperative |  |
| Farhangi, Anoush | Demand Control 2 |  |
| Franklin, Russell | Garland Power & Light |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Johnson, Anthony | CenterPoint Energy |  |
| Lindberg, Ken | Bryan Texas Utilities |  |
| Mauldin, Jamie | City of Eastland |  |
| Nguyen, Andy | Lower Colorado River Authority | Alt. Rep. for John Dumas |
| Roberts, Bobby | TNMP |  |
| Sandidge, Clint | Calpine Energy Solutions |  |
| Simpson, Lori | Exelon |  |
| Smith, Mark | Nucor |  |
| Surendran, Resmi | Shell Energy |  |
| Turner, Lucas | South Texas Electric Cooperative | Alt. Rep. for Clif Lange |
| Velasquez, Ivan | Oncor |  |
| Wilson, Joe Dan | Golden Spread Electric Cooperative |  |

The following proxy was assigned:

* Bill Barnes to Anoush Farhangi

*Guests:*

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|  |  |  |
| Ainspan, Malcolm | NRG |  |
| Allen, Thresa | Avangrid Renewables |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Bailey, Dan | Garland Power & Light |  |
| Bailey, Robert | NRG |  |
| Bell, Brad | Solar Proponent |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Black Huynh, Emily | EDF Energy |  |
| Blakey, Eric | Just Energy |  |
| Brandt, Adrianne | PUCT |  |
| Bruce, Mark | Cratylus Advisors |  |
| Bunch, Kevin | EDF Trading |  |
| Burnett, Ben | CenterPoint Energy |  |
| Chamberlin, Jennifer | Power Energy Management |  |
| Coleman, Diana | CPS Energy |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Deleon, Amanda | Tenaska Power Services |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Fazio, Danielle | ECTP |  |
| Goff, Eric |  |  |
| Graham, Sophie | Adapt 2 Solutions |  |
| Hanson, Kevin | National Grid |  |
| Harris, Brenda | Oxy |  |
| Harvey, Julia | Texas Electric Cooperatives |  |
| Hayden, Jolly | GDS Associates |  |
| Helton, Bob | ENGIE |  |
| Henry, Mark | Texas Reliability Entity |  |
| Henson, Martha | Oncor |  |
| Huynh, Thuy | Potomac Economics |  |
| Jewell, Michael | Jewell and Associates |  |
| Kee, David | CPS Energy |  |
| Kilroy, Taylor | TPPA |  |
| Krajecki, Jim | Customized Energy Solutions |  |
| Kroskey, Tony | Brazos Electric Cooperative |  |
| Lamp. Jeff | Peak Energy Cap |  |
| Leahy, Patrick | Just Energy |  |
| Matt, Kevin | Reliant Energy |  |
| McCamant, Frank | McCamant Consulting |  |
| McClellan, Suzie | Good Company Associates |  |
| Pokharel, Nabaraj | PUCT |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Price, Chris | 61 Commodities |  |
| Rainwater, Kim | Lower Colorado River Authority |  |
| Reedy, Steve | CIM View Consulting |  |
| Reid, Walter | Advanced Power Alliance |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Richardson, Riley | Just Energy |  |
| Richmond, Michele | TCPA |  |
| Robles, Rachelle | PUCT |  |
| Sager, Brenden | Austin Energy |  |
| Sams, Bryan | Calpine |  |
| Sanchez, Kyle | CPS Energy |  |
| Schumate, Walt |  |  |
| Siddiqi, Shams | Crescent Power Consulting |  |
| Sithuraj, Murali | Austin Energy |  |
| Slaughter, Jeff | Just Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Smith, Chase | Southern Power |  |
| Smith, Christopher | Austin Energy |  |
| True, Roy | ACES Power |  |
| Varnell, John | Tenaska Power Services |  |
| Walke, Pranil | Calpine |  |
| Wall, Perrin | CenterPoint Energy |  |
| Wan, Josephine | Austin Energy |  |
| Watkins, Olivia | NextEra Energy |  |
| Williams, Wes | BTU |  |
| Winegar, Paige | New Braunfels Utilities |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Zarnikau, Jay | Frontier Energy |  |
| Zhou, Emily | Potomac Economics |  |

*ERCOT Staff:*

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| --- | --- | --- |
|  |  |  |
| Albracht, Brittney |  |  |
| Bernecker, John |  |  |
| Bracy, Phil |  |  |
| Chen, Jian |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Devadhas Mohanadhas, Thinesh |  |  |
| Du, Pengwei |  |  |
| Ganjoo, Shalesh |  |  |
| Garcia, Freddy |  |  |
| Gnanam, Prabhu |  |  |
| Hilton, Keely |  |  |
| Holt, Blake |  |  |
| Huang, Fred |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Khodabakhsh, Fred |  |  |
| Lasher, Warren |  |  |
| Mago, Nitika |  |  |
| Mereness, Matt |  |  |
| Morehead, Juliana |  |  |
| Ögelman, Kenan |  |  |
| Moreno, Alfredo |  |  |
| Patterson, Mark |  |  |
| Phillips, Cory |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Seely, Chad |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Singh, Vijay |  |  |
| Stice, Clayton |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Woodfin, Dan |  |  |
| Xiao, Hong |  |  |
| Zhengguo, Chuo |  |  |

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

Antitrust Admonition

Resmi Surendran directed attention to the Antitrust Admonition, which was displayed.

Agenda Review

There were no changes to the agenda.

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

*June 2, 2021*

Market Participants reviewed the June 2, 2021 WMS meeting minutes. Ms. Surendran noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Technical Advisory Committee (TAC) Update (see Key Documents)

*June 23, 2021*

Ms. Surendran reviewed the disposition of items considered at the June 23, 2021 TAC meeting, including clarifications to the Emergency Conditions List and approval of the 2021 WMS Goals. Kenan Ögelman announced that ERCOT is unable to host the Securitization Workshop at this time due to resource constraints. Mr. Ögelman noted the timeline for ERCOT’s filings associated with HB 4492 to the Public Utility Commission of Texas (PUCT) and stated that the filings will include testimony that is anticipated to trigger a contested proceeding at the PUCT, a procedural schedule will be confirmed, and that Stakeholders have an opportunity to participate in that forum.

*June 30, 2021*

Ms. Surendran summarized the June 30, 2021 TAC discussion of the reliability need for a more conservative approach to procuring Ancillary Services, the ERCOT strategy to bring more reserves online and deploy reserves earlier, and the disposition of Other Binding Revision Request (OBDRR) 031, Change Non-Spinning Reserve Service Deployment. Market Participants discussed the TAC assignment to review the issues raised by and impacts of OBDRR031, identified issues to be evaluated, and requested review of the issues by the Wholesale Market Working Group (WMWG).

New Protocol Revision Subcommittee (PRS) Referrals (see Key Documents)

*Nodal Protocol Revision Request (NPRR) 1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs*

Market Participants reviewed NPRR1077, noted the July 22, 2021 NPRR1077 Workshop on Telemetry, and requested additional time to review the issues. Ms. Surendran noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

WMWG (see Key Documents)

David Detelich reviewed WMWG activities, including the Emergency Conditions List assignment items.

Revision Requests Tabled at Protocol Revision Subcommittee (PRS), Referred to WMS (see Key Documents)

*NPRR981, Day-Ahead Market Price Correction Process (WMWG)*

*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*

WMS took no action on these items.

*NPRR1073, Market Participant Application Changes*

Ian Haley summarized the 7/6/21 Luminant comments to NPRR1073 and the June 16, 2021 Credit Work Group (Credit WG) and Market Credit Working Group (MCWG) discussion of NPRR1073. Market Participants and ERCOT Staff discussed the definition of “Principals” and the Alternate Dispute Process (ADR).

**Clayton Greer moved to endorse NPRR1073 as amended by the 7/6/21 Luminant comments. Mr. Haley seconded the motion. The motion carried via roll call vote with three abstentions from the Independent Generator (Exelon), Independent Power Marketer (IPM) (Shell Energy), and Municipal (CPS Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

Market Credit Working Group (see Key Documents)

Brenden Sager reviewed MCWG activities.

Congestion Management Working Group (CMWG) (see Key Documents)

Katie Rich reviewed CMWG activities.

*Other Binding Document Revision Request (OBDRR) 026, Change Shadow Price Caps to Curves and Remove Shift Factor Threshold*

*Nodal Operating Guide Revision Request (NOGRR) 215, Limit Use of Remedial Action Schemes*

WMS took no action on these items.

Revision Requests Tabled at WMS (see Key Documents)

*Verifiable Cost Manual Revision Request (VCMRR) 031, Clarification Related to Variable Costs in Fuel Adders*

WMS took no action on this item.

Combined Ballot

**Jeremy Carpenter moved to approve the Combined Ballot as follows:**

* **To approve the June 2, 2021 WMS Meeting Minutes as submitted**
* **To request PRS continue to table NPRR1077**

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

ERCOT Operations and Market Items (see Key Documents)

*System Change Request (SCR) SCR814, Point-to-Point (PTP) Obligation Bid Interval Limit*

Alfredo Moreno summarized SCR814 and previous WMS and WMWG discussions of the issues. Market Participants discussed the issues, reviewed the Revision Request timeline, and requested additional time to review the issues. WMS took no action on this item.

*Renewable Energy Credit (REC) Project Update*

Ms. Surendran reminded Market Participants of the REC project presentation by Don Tucker at the March 3 and June 2, 2021 WMS meetings, noted that the go-live target date is late August 2021, and announced the limited duration, market-facing I-test July 16 through July 23, 2021. Ms. Surendran further noted that ERCOT will host a Webex for Market Participant questions or issues on Friday July 16, 2021 at 1:00 p.m. and Wednesday July 21, 2021 at 9:30 a.m.

Other Business

*Review Open Action Items*

Market Participants reviewed the Open Action Items.

*No Report*

* Demand Side Working Group (DSWG)
* Market Settlement Working Group (MSWG)
* Metering Working Group (MWG)
* Supply Analysis Working Group (SAWG)

Adjournment

Ms. Surendran adjourned the July 7, 2021 WMS meeting at 12:51 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at:

   http://www.ercot.com/calendar/2021/7/7/213957-WMS [↑](#footnote-ref-1)