**APPROVED**

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

**Webex Only**

**Wednesday, February 3, 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 and Light |  |
| Greer, Clayton | Morgan Stanley |  |
| Gross, Blake | AEP Service Corporation |  |
| Haley, Ian | Luminant Generation |  |
| Jolly, Emily | Lower Colorado River Authority | Alt. Rep. for John Dumas |
| Lange, Clif | South Texas Electric Cooperative |  |
| Lindberg, Ken | Bryan Texas Utilities |  |
| McNamara, Grace | Chariot Energy |  |
| Mauldin, Jamie | City of Eastland |  |
| Roberts, Bobby | TNMP |  |
| Sandidge, Clint | Calpine Energy Solutions |  |
| Sefa, Fanar | Blue Cube Operations |  |
| Simpson, Lori | Exelon |  |
| Smith, Mark | Nucor |  |
| Surendran, Resmi | Shell Energy |  |
| Velasquez, Ivan | Oncor |  |
| Wilson, Joe Dan | Golden Spread Electric Cooperative |  |

The following proxy was assigned:

* Anthony Johnson to Blake Gross

*Guests:*

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| --- | --- | --- |
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| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Allen, Thresa | Avangrid Renewables |  |
| Anderson, Kevin | Customized Energy Solutions |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Beckmann, Kara | Pattern Energy |  |
| Benson, Mariah | PUCT |  |
| Bivens, Carrie | Potomac Economics |  |
| Blakey, Eric | Just Energy |  |
| Boisseau, Heather | Lower Colorado River Authority |  |
| Bosquez, Veronica | Orsted |  |
| Bruce, Mark | Cratylus Advisors |  |
| Caraway, Shannon | Solar Prim |  |
| Coleman, Diana | CPS Energy |  |
| Collie, Patrick | Algonquin Power & Utilities |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Crouch, Rebekah | New Braunfels Utilities |  |
| Daigneault, Ralph | Potomac Economics |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Duensing, Allison | Sarac Energy |  |
| Graham, Sophie | Adapt 2 Solutions |  |
| Harvey, Julia | Texas Electric Cooperatives |  |
| Helton, Bob | ENGIE |  |
| Henson, Martha | Oncor |  |
| Hourihan, Mike | CP Power Energy |  |
| Jewell, Michael | Jewell and Associates |  |
| Kee, David | CPS Energy |  |
| Kilroy, Taylor | TPPA |  |
| Kota, Naga | National Grid Renewables |  |
| Kroskey, Tony | Brazos Electric Cooperative |  |
| McClellan, Suzi | Good Company Associates |  |
| McKeever, Debbie | Oncor |  |
| Mendoza, Albert | Occidental |  |
| Musher, Danny | Key Capture Energy |  |
| Pass, Heather | Adapt 2 Solutions |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | Lower Colorado River Authority |  |
| Reedy, Steve | Potomac Economics |  |
| Reid, Walter | Advanced Power Alliance |  |
| Richmond, Michele | TCPA |  |
| Rich, Katie | Golden Spread Electric Cooperative |  |
| Ritch, John | GEXA Energy |  |
| Robinson, Rhonda | Calpine |  |
| Sager, Brenden | Austin Energy |  |
| Sams, Bryan | Calpine |  |
| Schumate, Walt |  |  |
| Schwarz, Brad | Hunt Utility |  |
| Siddiqi, Shams | Aypa Power |  |
| Singh Rastogi, Rama | PUCT |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Smith, Chase | Southern Power |  |
| Smith, Christopher | Austin Energy |  |
| Striedel, James | GDS Associates |  |
| Tran, Diane | TIEC |  |
| True, Roy | ACES Power |  |
| Turner, Lucas | South Texas Electric Cooperative |  |
| Varnell, John | Tenaska Power Services |  |
| Villasana, Kristi | New Braunfels Utilities |  |
| Wan, Josephine | Austin Energy |  |
| Williams, Wes | Bryan Texas Utilities |  |
| Winegar, Paige | New Braunfels Utilities |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Yu, Joel | Enchanted Rock |  |
| Zhou, Emily | Potomac Economics |  |

*ERCOT Staff:*

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|  |  |  |
| Adadjo, Fred |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Barati, Camron |  |  |
| Bernecker, John |  |  |
| Bigbee, Nathan |  |  |
| Boren, Ann |  |  |
| Bracy, Phil |  |  |
| Chen, Jian |  |  |
| Cheng, Yong |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Covington, Austin |  |  |
| Dinopol, Ohlen |  |  |
| Du, Pengwei |  |  |
| Ganjoo, Shalesh |  |  |
| Garcia, Freddy |  |  |
| Gnanam, Prabhu |  |  |
| Gonzalez, Ino |  |  |
| Hartmann, Jimmy |  |  |
| House, Donald |  |  |
| Huang, Fred |  |  |
| Hull, Gibson |  |  |
| Jones, Dan |  |  |
| Kane, Erika |  |  |
| Khodabakhsh, Fred |  |  |
| Lasher, Warren |  |  |
| Maggio, Dave |  |  |
| Morehead, Juliana |  |  |
| Moreno, Alfredo |  |  |
| Orr, Rob |  |  |
| Patterson, Mark |  |  |
| Phillips, Cory |  |  |
| Rios, Diana |  |  |
| Roberts, Randy |  |  |
| Rosel, Austin |  |  |
| Ruane, Mark |  |  |
| Ryan, Keanen |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Stice, Clayton |  |  |
| Thomas, Shane |  |  |
| Thompson, Chad |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Urquhart, Thomas |  |  |
| Warnken, Pete |  |  |
| Wattles, Paul |  |  |
| Xiao, Hong |  |  |

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

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)

*January 6, 2021*

Market Participants reviewed the January 6, 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 and Assignments

Ms. Surendran reviewed the disposition of items considered at the January 27, 2021 TAC meeting, including the Real-Time Co-Optimization Task Force (RTCTF) and Battery Energy Storage Task Force (BESTF) Revision Requests and next steps. Ms. Surendran summarized the Passport Program timeline and ERCOT recommendation for managing future Revision Requests and projects, including an assessment of impacts to the Passport Program for Stakeholder consideration.

2021 WMS Goals

Market Participants expressed a desire to await development of the 2021 TAC Goals before finalizing 2021 WMS Goals and took no action on this item.

ERCOT Operations and Market Items

*Annual update to the Congestion Revenue Right (CRR) Activity Calendar*

Donald House reviewed the annual update to the CRR Activity Calendar for WMS consideration, noted it was discussed at the January 11, 2021 Congestion Management Working Group (CMWG) meeting, and requested WMS direction on the discussion of potential biennial updates to the CRR Activity Calendar. Some Market Participants offered clarifications to the draft CRR Activity Calendar for 2022 in consideration of staffing issues during the holidays. Mr. House reviewed the approval process and impacts to the timeline. Market Participants requested CMWG review the suggested clarifications and provide recommendations for WMS consideration at the March 3, 2021 WMS Meeting.

*Unregistered Distributed Generation (DG) Report 2020 Q4 Update*

Connor Anderson presented the 4th Quarter 2020 Unregistered DG Report.

*Settlement Stability Report for Q4 2020*

Austin Covington presented the 4th Quarter 2020 Settlement Stability Report.

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

*Nodal Protocol Revision Request (NPRR) 1060, Improvements to ERS Testing Requirements and Other ERS Items*

Mark Patterson reviewed NPRR1060 and the 1/8/21 ERCOT comments. Christian Powell summarized discussion of NPRR1060 at the January 22, 2021 Demand Side Working Group (DSWG) meeting.

**David Detelich moved to endorse NPRR1060 as amended by the 1/8/21 ERCOT comments. Lori Simpson seconded the motion. The motion carried via roll call vote with one objection from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment and two abstentions from the Independent Generator (Luminant) and IPM (DC Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

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

*NPRR981, Day-Ahead Market Price Correction Process*

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

*NPRR1058, Resource Offer Modernization for Real-Time Co-Optimization*

WMS took no action on these items.

*NPRR1023, Change to CRR Repossession Process*

Market Participants reviewed NPRR1023 and the 1/25/21 ERCOT comments. Ms. Surendran noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

CMWG (see Key Documents)

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

Katie Rich reviewed CMWG activities, including the Independent Market Monitor (IMM) Transmission Demand Curve proposal, provided an update on NOGRR215, and summarized the NPRR1023 discussion at the January 11, 2021 CMWG meeting.

Combined Ballot

**Tom Burke moved to approve the Combined Ballot as follows:**

* **To approve the January 6, 2021 WMS Meeting Minutes as submitted**
* **To endorse NPRR1023 as amended by the 1/25/21 ERCOT comments**

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

DSWG (see Key Documents)

Mr. Powell reviewed DSWG activities, including review of Carl Raish’s detailed findings of the 2020 Analysis of Retail Electric Providers (REPs) and Non-Opt-In Entities (NOIEs) Demand Response, and presented 2021 DSWG Goals.

Market Credit Working Group (MCWG) (see Key Documents)

Brenden Sager reviewed MCWG activities and presented 2021 MCWG Goals.

Wholesale Market Working Group (WMWG) (see Key Documents)

Mr. Detelich summarized WMWG activities, including behind the meter Resources participation in Security-Constrained Economic Dispatch (SCED) and Ancillary Services, and encouraged Market Participants to attend the February 18, 2021 WMWG meeting to further discuss the issues.

Other Business

*Market Notice M-A012221-01 Follow Up – Correction of DAM Software Error*

Alfredo Moreno provided an update on Market Notice M-A012221-01.

*Workshop*

Clayton Stice announced the February 19, 2021 Unregistered DG Workshop I, noted it would be open to Transmission and/or Distribution Service Providers (TDSPs) and NOIEs only, and stated that future workshops would be open to a broader audience.

*Review of Open Action Items*

Market Participants reviewed the Open Action Items list , discussed the TAC Summer Assessment Open Action item related to the Texas Commission on Environmental Quality (TCEQ) enforcement issues assigned to WMS that was previously removed, and added the below assignment to WMWG:

* Evaluate the current TCEQ enforcement discretion process and look for improvements with managing potential emission limitation issues and address the following issues:

1. communication to market when such discretion is requested
2. addressing impact to market prices from implementing this discretion
3. addressing the lost opportunity of resources whose were reserving the emission limits for summer scarcity
4. State vs. Federal discretion authority

*No Report*

* Market Settlement Working Group (MSWG)
* Metering Working Group (MWG)
* Resource Cost Working Group (RCWG)
* Supply Analysis Working Group (SAWG)

Adjournment

Ivan Velasquez adjourned the February 3, 2021 WMS meeting at 11:39 a.m.

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

   http://www.ercot.com/calendar/2021/2/3/213937-WMS [↑](#footnote-ref-1)