**APPROVED**

**Minutes of the Wholesale Market Subcommittee (WMS) Meeting – Webex Only**

**Wednesday,** **August 2, 2023 – 9:30 a.m.**

Attendance

*Members:*

|  |  |  |
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|  |  |  |
| Allen, Thresa | Avangrid Renewables (Avangrid) |  |
| Arnett, Rick | City of Eastland | Alt. Rep. for Mark Dreyfus |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) |  |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) |  |
| Campo, Curtis | Garland Power and Light (GP&L) |  |
| Chambers, Joshua | APG&E |  |
| Cochran, Seth | DC Energy |  |
| DeLeon, Amanda | Tenaska Power Services (Tenaska) |  |
| Detelich, David | CPS Energy |  |
| Farhangi, Anoush | Demand Control 2 |  |
| Goff, Eric | Consumer – Residential |  |
| Gross, Blake | AEP Service Corporation (AEPSC) |  |
| Hanson, Kevin | National Grid Renewables (NG Renewables) |  |
| Holt, Blake | Lower Colorado River Authority (LCRA) | Alt. Rep. for Emily Jolly |
| Lee, Jim | CenterPoint Energy (CNP) |  |
| Lindberg, Ken | Bryan Texas Utilities (BTU)  |  |
| Okenfuss, James | Shell Energy North America (SENA) | Alt. Rep. for Resmi Surendran |
| Nguyen, Andy | Constellation Energy Generation (Constellation) |  |
| Rich, Katie | Golden Spread Electric Cooperative (GSEC) |  |
| Roberts, Vincent | Texas-New Mexico Power (TNMP) |  |
| Sams, Bryan | Calpine Corporation (Calpine) |  |
| Smith, Mark | CMC Steel Texas (CMC Steel) |  |
| Surendran, Resmi | SENA |  |
| Turner, Lucas | South Texas Electric Cooperative (STEC) |  |
| Velasquez, Ivan | Oncor Electric Delivery (Oncor) |  |
| Xie, Fei | Austin Energy | Alt Rep. for Erika Bierschbach |

The following proxy was assigned:

* Ashley Foster to Mark Smith

*Guests:*

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| Ainspan, Malcolm | NRG |  |
| Aldridge, Ryan | AB Power Advisors |  |
| Anderson, Connor | AB Power Advisors |  |
| Anderson, Kevin | CES |  |
| Ashley, Kristy | CES |  |
| Barati, Camron | Potomac Economics |  |
| Benson, Mariah | PUCT |  |
| Berry, Danny | LCRA |  |
| Bertin, Suzanne |  |  |
| Bezwada, Neelima | Potomac Economics |  |
| Blackburn, Don | Hunt Energy Network Power Marketing |  |
| Block, Laurie | L Block Consulting |  |
| Bonskowski, Ned | Luminant Corporation |  |
| Brown, Chris | PUCT |  |
| Bunch, Kevin | EDF Energy |  |
| Callender, Hudson | CPS Energy |  |
| Coffee, Jennifer | Texas Pipelines |  |
| Cooksey, Matthew | OPUC |  |
| Conant, Portia | Yes Energy |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Daigneault, Ralph | Potomac Economics |  |
| Dharme, Neeraja | EDFT |  |
| Ghoshal, Orijit | esVolta |  |
| Haley, Ian | Morgan Stanley |  |
| Hall, Matthew | Invenergy |  |
| Hennings, Peter | Roscommon |  |
| Henson, Martha | Oncor |  |
| Jones, Joymesha | CNP |  |
| Jones, Randy | Mountaineer Market Advisors  |  |
| Koz, Brian |  |  |
| Kroskey, Tony | Brazos Electric Cooperative |  |
| Lacek, Mollie | Talen Energy |  |
| Lasher, Warren | Lasher Energy Consulting |  |
| Lewis, William | Payless Power |  |
| Lotter, Eric | GridMonitor |  |
| Lu, Bo | Broad Reach Power |  |
| Macaraeg, Tad | Stem |  |
| Matt, Kevin | NRG |  |
| McClellan, Suzi | Good Company Associates |  |
| Nicholson, Tyler | PUCT |  |
| Noyes, Theresa | LCRA |  |
| Ok, Brendan | PUCT |  |
| Pfefferle, Ryan | Oxy |  |
| Powell, Christian | PEC |  |
| Ramaswamy, Ramya | PUCT |  |
| Reedy, Steve | CIM View Consulting |  |
| Richmond, Michele | Competitive Power |  |
| Ritch, John | NextEra Energy |  |
| Sandidge, Clint | Calpine |  |
| Sersen, Juliana | Baker Botts |  |
| Showalter, Dana | Plus Power |  |
| Siddiqi, Shams | Crescent Power |  |
| Swigonski, Frank | PG Renewables |  |
| Teng, Shuye | LCRA |  |
| True, Roy | ACES Power |  |
| Uy, Manny | Hunt Energy |  |
| Varnell, John | Tenaska |  |
| Wang, Ping |  |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Yong, Chen | LCRA |  |
| Zang, Hailing | TC Energy |  |
| Zhang, Lu | Austin Energy |  |

*ERCOT Staff:*

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|  |  |  |
| Albracht, Brittney |  |  |
| Anderson, Troy |  |  |
| Arth, Matt |  |  |
| Azeredo, Chris |  |  |
| Carreno, Tony |  |  |
| Chambers, Jason |  |  |
| Chen, Jian |  |  |
| Clifton, Suzy |  |  |
| Devadhas-Mohanadha, Thinesh  |  |  |
| Dwyer, Davida |  |  |
| Duus, Tim |  |  |
| El-Madhoun, Mohamed |  |  |
| Fohn, Doug |  |  |
| Garcia, Freddy |  |  |
| Gonzalez, Ino |  |  |
| Hailu, Ted |  |  |
| Heinrich, Holly |  |  |
| Holden, Curry |  |  |
| Khodabakhsh, Fred |  |  |
| Lee, Alex |  |  |
| Lee, David |  |  |
| Luu, Judy |  |  |
| Magarinos, Marcelo |  |  |
| Maggio, Dave |  |  |
| Mantena, Dan |  |  |
| Mereness, Matt |  |  |
| McGuire, Joshua |  |  |
| Phillips, Cory |  |  |
| Rosel, Austin |  |  |
| Shanks, Magie |  |  |
| Shaw, Pamela |  |  |
| Stevens, Jim |  |  |
| Thuerwaechter, Kashia |  |  |
| Wasik-Gutierrez, Erin |  |  |
| You, Haibo |  |  |

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

Eric Blakey called the August 2, 2023 WMS meeting to order at 9:30 a.m.

Antitrust Admonition

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

Agenda Review

Mr. Blakey reviewed the agenda.

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

*June 7, 2023*

Market Participants reviewed the June 7, 2023 WMS Meeting Minutes. Mr. Blakey noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Technical Advisory Committee (TAC) Update

Mr. Blakey reviewed the disposition of items considered at the July 25, 2023 TAC meeting.

ERCOT Operations and Market Items (see Key Documents)

*2023 Q2 Settlement Stability Report*

Magie Shanks presented the 2nd Quarter 2023 Settlement Stability Report.

*2023 Q2 Unregistered Distributed Generation (DG) Report*

Fred Khodabakhsh presented the 2nd Quarter 2023 DG Report.

*Energy Management System (EMS) Upgrade Project Update*

Troy Anderson stated that the EMS upgrade project go-live is scheduled for November 2023, reviewed the timeline and activities for the closed loop testing, noted the market impacts of the testing, and stated that ERCOT will send a Market Notice 30 days before the testing begins.

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

*Nodal Protocol Revision Request (NPRR) 1170, Capturing Natural Gas Delivery Information for Natural Gas Generation Resources*

Jim Stevens provided an overview of NPRR1170. Blake Holt summarized the 7/31/23 Joint Commentors comments. Market Participants requested review of the issues by the Wholesale Market Working Group (WMWG). Mr. Blakey and noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

Revision Requests Tabled at PRS or ROS and Referred to WMS (see Key Documents)

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

*NPRR1070, Planning Criteria for GTC Exit Solutions*

*NPRR1162, Single Agent Designation for a QSE and its Sub-QSEs for Voice Communications over the ERCOT WAN*

*NPRR1172, Fuel Adder Definition, Mitigated Offer Caps, and RUC Clawback*

*NPRR1179, Fuel Purchase Requirements for Resources Submitting RUC Fuel Costs*

*NPRR1181, Submission of Seasonal Coal and Lignite Inventory Declaration*

WMS took no action on these items.

WMS Revision Requests Tabled at WMS (see Key Documents)

*VCMRR033, Excluding Exceptional Fuel Costs from Fuel Adders*

Ino Gonzalez noted that ERCOT anticipates submitting a request for withdrawal on VCMRR033 as there is no longer a need for it due to the approval of NPRR1177, Enhance Exceptional Fuel Cost Process. WMS took no action on this item.

*VCMRR037 Related to NPRR1172, Fuel Adder Definition, Mitigated Offer Caps, and RUC Clawback*

WMS took no action on this item.

Combined Ballot

**David Detelich moved to approve the Combined Ballot as follows:**

* **To approve the June 7, 2023 WMS Meeting Minutes as submitted**
* **NPRR1170 - To request PRS continue to table NPRR1170 for further review by WMWG**

**Kevin Hanson seconded the motion. The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

Demand Side Working Group (DSWG) (see Key Documents)

Mr. Hanson reviewed DSWG activities.

Other Business (see Key Documents)

*Review Open Action Items*

Market Participants reviewed the Open Action Items List.

*2024 Meeting Schedule*

Market Participants reviewed the 2024 Block Meeting Schedule. There were no objections.

*No Report*

* Congestion Management Working Group (CMWG)
* Market Settlement Working Group (MSWG)
* Meter Working Group (MWG)
* Resource Cost Working Group (RCWG)
* Supply Analysis Working Group (SAWG)
* WMWG

Mr. Blakey encouraged Market Participants to attend the August 2, 2023 workshop to continue discussion on NPRR1186 and associated potential improvements prior to RTC+B. Market Participants discussed the August 2023 RCWG & WMWG Joint Workshop on Reliability Unit Commitment (RUC) and Verifiable Costs, and RCWG and WMWG leadership noted their intent to coordinate the workshop date with ERCOT Staff.

Adjournment

Mr. Blakey adjourned the August 2, 2023 WMS meeting at 10:25 a.m.

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

<https://www.ercot.com/calendar/08022023-WMS-Meeting-_-Webex> [↑](#footnote-ref-1)