**APPROVED**

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

**Webex Only**

**Wednesday, June 2, 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 |  |
| 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 |
| Rich, Katie | Golden Spread Electric Cooperative | Alt. Rep. for Joe Dan Wilson |
| 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 |  |

*Guests:*

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| --- | --- | --- |
|  |  |  |
| Ainspan, Malcolm | NRG |  |
| Alford, Anthony | CenterPoint Energy |  |
| Allen, Thresa | Avangrid Renewables |  |
| Anderson, Kevin | Customized Energy Solutions |  |
| Ashley, Kristy | Customized Energy Solutions |  |
| Benson, Mariah | PUCT |  |
| Black Huynh, Emily | EDF Energy |  |
| Blackburn, Don | Hunt Energy Network Power  |  |
| Blakey, Eric | Just Energy |  |
| Boisseau, Heather | Lower Colorado River Authority |  |
| Bruce, Mark | Cratylus Advisors |  |
| Bunch, Kevin | EDF Trading  |  |
| Chamberlin, Jennifer | Power Energy Management |  |
| Coleman, Diana | CPS Energy |  |
| Cortez, Sarai | Hunt Utility |  |
| Cripe, Ramsey | Schneider Engineering |  |
| Daigneault, Ralph | Potomac Economics |  |
| Deleon, Amanda | Tenaska  |  |
| Dreyfus, Mark | MD Energy Consulting |  |
| Fazio, Danielle | ECTP |  |
| Foreman, Mark | Tenaska Power Services |  |
| Fuller, Cherie | EDF Energy |  |
| Goff, Eric |  |  |
| Graham, Sophie | Adapt 2 Solutions |  |
| Hanson, Kevin | National Grid |  |
| Hayden, Jolly | GDS Associates |  |
| Henry, Mark | Texas Reliability Entity |  |
| Henson, Martha | Oncor |  |
| Huynh, Thuy | Potomac Economics |  |
| Jones, Randy | Mountaineer Market Advisors  |  |
| Kee, David | CPS Energy |  |
| Khayat, Maribel | CenterPoint Energy |  |
| Kilroy, Taylor | TPPA |  |
| Kroskey, Tony | Brazos Electric Cooperative |  |
| Lamp. Jeff | Peak Energy Cap |  |
| Lee, Tina | Watt Bridge |  |
| Lonescu, Sandra | ATNV Energy LP |  |
| Marsh, Tony | Legends Unity  |  |
| Meleius, Agne | EDF Energy |  |
| Mendoza, Albert | Occidental |  |
| Miller, Alexandra | EDF Renewables |  |
| Mock, Christopher | BP |  |
| Musher, Danny | Key Capture Energy |  |
| Neeraj, Gurpreet | Active Power |  |
| Powell, Christian | Pedernales Electric Cooperative |  |
| Rainwater, Kim | Lower Colorado River Authority |  |
| Reed, Cyrus | Sierra Club |  |
| Reid, Walter | Advanced Power Alliance |  |
| Ritch, John | Gexa Energy |  |
| Robinson, Rhonda | Calpine |  |
| Robles, Rachelle | PUCT |  |
| Sager, Brenden | Austin Energy |  |
| Sams, Bryan | Calpine  |  |
| Schumate, Walt |  |  |
| Schwarz, Brad | Sharyland |  |
| Siddiqi, Shams | Crescent Power Consulting |  |
| Singh Rastogi, Rama | PUCT |  |
| Sithuraj, Murali | Austin Energy |  |
| Smith, Caitlin | AB Power Advisors |  |
| Smith, Chase | Southern Power |  |
| Smith, Christopher | Austin Energy |  |
| Toomey, Megan | Talen Energy |  |
| True, Roy | ACES Power |  |
| Varnell, John | Tenaska Power Services |  |
| Villasana, Krista | NBU |  |
| Walke, Pranil | Calpine |  |
| Wall, Perrin | CenterPoint Energy |  |
| Williams, Wes | BTU |  |
| Winegar, Paige | NBU |  |
| Wittmeyer, Bob | Longhorn Power |  |
| Zhou, Emily | Potomac Economics |  |

*ERCOT Staff:*

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| --- | --- | --- |
|  |  |  |
| Albracht, Brittney |  |  |
| Anderson, Connor |  |  |
| Anderson, Troy |  |  |
| Ayson, Janice |  |  |
| Bernecker, John |  |  |
| Boren, Ann |  |  |
| Bracy, Phil |  |  |
| Cheng, Yong |  |  |
| Clifton, Suzy |  |  |
| Comstock, Read |  |  |
| Du, Pengwei |  |  |
| Ganjoo, Shalesh |  |  |
| Garcia, Freddy |  |  |
| Gonzalez, Ino |  |  |
| Huang, Fred |  |  |
| Kane, Erika |  |  |
| Kersulis, Jonas |  |  |
| Lasher, Warren |  |  |
| Maggio, Dave |  |  |
| Mago, Nitika |  |  |
| Mantena, Dan |  |  |
| Martinez, Adriana |  |  |
| McKinney, Colten |  |  |
| Moreno, Alfredo |  |  |
| Patterson, Mark |  |  |
| Phillips, Cory |  |  |
| Roberts, Randy |  |  |
| Ruane, Mark |  |  |
| Sharma, Sandip |  |  |
| Shaw, Pamela |  |  |
| Singh, Vijay |  |  |
| Smith, Nathan |  |  |
| Townsend, Aaron |  |  |
| Troublefield, Jordan |  |  |
| Tucker, Don |  |  |
| Warnken, Pete |  |  |
| Wattles, Paul |  |  |

*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)

*May 5, 2021*

Market Participants reviewed the May 5, 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)

Ms. Surendran reviewed the disposition of items considered at the May 26, 2021 TAC meeting.

*Nodal Protocol Revision Request (NPRR) 1073, Market Participant Application Changes*

Ms. Surendran summarized the May 26, 2021 TAC discussion of NPRR1073 and comments to NPRR1073, reviewed the TAC assignment to WMS, and noted that TAC intends to consider the issues at the July 28, 2021 TAC meeting to advance to the August 10, 2021 ERCOT Board meeting. Market Participants and ERCOT Staff discussed NPRR1073, the definition of “Principals”, and a holistic review of the uplift and default process in consideration of recently approved securitization legislation. Market Participants requested additional review of the issues by the Market Credit Working Group (MCWG) and at an ERCOT-hosted Securitization Workshop. Ms. Surendran noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

*Emergency Conditions List*

Ms. Surendran summarized the May 26, 2021 TAC discussion of the Emergency Conditions List, including the assignments to WMS, reminded Market Participants of the prioritization process for items within the purview of the stakeholder body in consideration of Public Utility Commission of Texas (PUCT) and legislative priorities, and noted that TAC requested subcommittee leadership collaborate on related issues to maximize efficiencies. Ms. Surendran stated that subcommittee leadership would submit proposed clarifications to the Emergency Conditions List to ERCOT in advance to provide Market Participants an opportunity to review for consideration at the TAC meeting.

2021 WMS Goals (see Key Documents)

Market Participants reviewed the 2021 TAC Goals and Strategic Initiatives and proposed clarifications to the draft 2021 WMS Goals. Ms. Surendran noted this item could be considered for inclusion in the [Combined Ballot.](#Combined_Ballot)

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

David Detelich reviewed WMWG activities, including the Emergency Conditions List assignment items and encouraged Market Participants to attend the July 2021 Joint Performance, Disturbance, Compliance Working Group (PDCWG) and WMWG meeting to discuss Ancillary Service issues.

*NPRR1070, Planning Criteria for GTC Exit Solutions*

Mr. Detelich summarized the discussion of NPRR1070 at the May 17, 2021 Joint Operations Working

Group (OWG), Planning Working Group (PLWG) and WMWG meeting. WMS took no action on this item.

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*

WMS took no action on these items.

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

Mr. Detelich summarized the discussion of NPRR1056 at the May 17, 2021 Joint OWG, PLWG and WMWG meeting. Ivan Velasquez summarized the 5/26/21 Joint Commenters comments.

**Mr. Velasquez moved to recommend PRS reject NPRR1056. Anthony Johnson seconded the motion.** Tom Burke summarized potential clarifications to NPRR1056 to address the 5/26/21 Joint Commenters comments. Some Market Participants opined NPRR1056 would provide greater transparency and expressed support for development of the proposed clarifications to the issues. Other Market Participants stated that they opposed publication of the specific contingencies resulting in system instability in any forum as they are defined as ERCOT Critical Energy Infrastructure Information (ECEII), and that other concepts should be considered in a new Revision Request. **The motion carried via roll call vote with three objections from the Independent Generator (Invenergy), Independent Power Marketer (IPM) (Morgan Stanley), and Independent Retail Electric Provider (IREP) (Demand Control 2) Market Segments, and 10 abstentions from the Consumer (Nucor), Independent Generator (3) (Luminant, Exelon, Jupiter), IPM (3) (DC Energy, Tenaska, Shell), IREP (Reliant) and Municipal (2) (Bryan Texas Utilities, CPS) Market Segments.** *(Please see ballot posted with Key Documents.)*

Market Credit Working Group (see Key Documents)

Brenden Sager reviewed MCWG activities, including ERCOT’s estimated uplift allocations and process, and summarized concepts in NPRR1078, Clarification of Potential Uplift.

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.

Supply Analysis Working Group (SAWG) (see Key Documents)

Ian Haley reviewed SAWG activities and encouraged Market Participants to attend the June 18, 2021 SAWG meeting to discuss clarifications for Distributed Generation (DG) in the Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA).

Combined Ballot

**Mr. Haley moved to approve the Combined Ballot as follows:**

* **To approve the May 5, 2021 WMS Meeting Minutes as submitted**
* **To request TAC continue to table NPRR1073 for further review by the MCWG and an ERCOT workshop on securitization**
* **To approve the 2021 WMS Goals as submitted**

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

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

Christian Powell summarized DSWG activities.

ERCOT Operations and Market Items (see Key Documents)

*Renewable Energy Credit (REC) Project Update*

Don Tucker summarized the REC project discussion at the March 3, 2021 WMS meeting, including the multifactor authentication login, process for system generated emails, mapping transition and timeline. Mr. Tucker stated that the go-live target date is late August 2021, and that ERCOT anticipates a limited duration market facing I-test tentatively scheduled for July 2021. Mr. Tucker reviewed the migration process and informed Market Participants that accounts where mapping is not provided by the account administrator will have all users removed from the account, including the account administrator, which will require them to contact ERCOT to gain access to the account.

*Review Unaccounted For Energy (UFE) outcomes from Winter Storm Uri*

Randy Roberts presented the UFE analysis from Winter Storm Uri and summarized potential improvements to UFE being considered by the Retail Emergency Conditions Task Force (RECTF).

Other Business

*Southern Cross Transmission Directives Update*

Janice Ayson presented an ERCOT summary status of the Southern Cross Transmission Directives in PUCT Project No. 46304, Oversight Proceeding Regarding ERCOT Matters Arising Out of Docket No. 45624 (Application of the City Garland to Amend a Certificate of Convenience and Necessity for the Rusk to Panola Double-Circuit 345-kV Transmission Line in Rusk and Panola Counties).

*2022 Meeting Calendar*

Market Participants reviewed the 2022 Block Meeting Calendar and expressed support for the proposed WMS meeting schedule.

*Review Open Action Items*

Market Participants reviewed the Open Action Items.

*No Report*

* Market Settlement Working Group (MSWG)
* Metering Working Group (MWG)

Adjournment

Ms. Surendran adjourned the June 2, 2021 WMS meeting at 1:00 p.m.

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

http://www.ercot.com/calendar/2021/6/2/213953-WMS [↑](#footnote-ref-1)