



Reliability Subcommittee (RSC)

Carmel, IN

October 17, 2024

10:00 am – 11:16 am ET / 9:00 am – 10:16 am CT

Dial-in and Webex information available at www.misoenergy.org

Minutes

1. Administrative Items (Ray McCausland) Public Meeting Announcement

a. Call to Order / Roll Call

The meeting was called to order at 10:00am ET/9:00am CT.

The Public Meeting Announcement and Meeting Management process were referenced.

Chair: Ray McCausland

Vice Chair: Dave Cullum

MISO Liaison: Tim Aliff for John Harmon

Stakeholder Relations: Jane Laskowski-Hart

Participants:

Adam Renfandt, NDSG	Derek Mosolf, GRE	Mitchell Myhre, Alliant
Amber Joyce, MDU	DeWayne Todd,	Noel Darce, Stone Pigman
Andrew Cameron, CBPU	Dylan Switzer, MN Power	Pablo Ruiz, NewGrid
Anita Collier, ACES	Eric Barry, Xcel	Peg Abbadini, HE
Art Iler, IN OUCC	F. Salvo, Baker Donelson	Ray McCausland, Ameren
Aydrik Schuh, MDU	Gabe Kainz, OTP	Rhett Trease, Duke
Bakhtawar Khan, Gabel	Gail Elliott, ITC	Robert Fox, NIPSCO
Barton Norfleet, PSC MS	G. Wijeweera, MB HYDRO	Robert Thorson, MGE
Bill Booth, Michael Best	Ginger Hodge, CES	R. Vosberg, LPSC Staff
Bill Turnbull, MEC	Heidi Martinson, CMPAS	Roberto Paliza, Paliza
Bill Vanderlaan, ICC	Jaden Zurn, PSCW	Ryan Frink, GRE
Bing Wang, RWE	Jake Chapman, LA PSC	Ryan Lovan, IA IUC
Bob German, DTE	Jason Burki, Alliant	Ryan Lowe, MB HYDRO
Bob Kosner, IMEA	Jay Rasmussen, Duke	Ryan Wernette, WPSCI
Brad Pope, OMS	Jeff Kelley, NIPSCO	Ryan Yeoman, MI PSC
Brian Gibson, MEC	J. Wernert, The Prime Group	Sam Benson, MN PUC
Brian Giggee, MDU	Jeremi Wofford, Ameren	Shirley Schultz, AMP
Bridget Sparks, AES	Jeremy Jones, Entergy	Stacee Dunbar, LUS
Brock Ondayko, AEP	Josh Byrnes, IA IUB	Steve Davies, IURC
Bruce Bleiweis, DC Energy	Justin Stewart, Ameren	Steve Rakow, MN PUC
Chelsea Lisowe, WPPI	Karl Blaszkowski, CMS	Stewart Dover, LUS
Chris Miller, FERC	Keith Parrott, MPPA	Terry Volkmann, GLP
Chris Norton, AMP	Ken Kagy, CFU	Thomas Smith, WEC
Christopher Plante, WEC	Kevin Kilgallen, Avangrid	TJ Cochran, Ameren
Cindy Guillot, Cleco	Kevin Kingsley, MDU	Tom Weeks, MPPA
Curtis Tarwater, Sigmawatt	K. Dunning, Center Point	Toni Joseski, NIPSCO
Dan Custer, MEC	Kristie Erickson, ATC	Travis Foster, MPPA
Dan Martin, DPC	Kurt Vanderlick, Cleco	Trey Mayeux, Cleco
Danielle Daugherty, Reliability First	Lane Susung, LA PSC	Tricia Debleeckere, OMS
Darrell Newcomer, CMS	Leslie Hamby, Center Point	Tyler Bergman, CGA
Dave Harlan, Veriquest	Luis de la Mora, Strom Power	Valy Goepfrich, WPPI
David Cullum, ATC	Mark Price, DC Energy	Vince Vandaveer, Ameren
David Jendras, Ameren	Meg Nguyen, Xcel	Walt Ullrich, GRE
David Montgomery, CMPAS	Michael Ryan, GRE	Warren Hess, CMPAS
David Sapper, CGA	Michelle Knight, AES	Will Koebel, PSCW
David Savage, IURC	Mike Fischette, LBWL	Zach Fjestad, OTP
David Webb, Entergy	Mike Gahimer, Arevon	Zachary Callen, ICC
	Mike Samson, DTE	

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Potential Voting Item

Feedback Requested

* Verbal Report



b. Review Agenda

The agenda was reviewed and accepted as posted.

c. Review Meeting Minutes / Action Items

The minutes were reviewed and accepted as posted. All action items are closed.

Action Item	Owner	Date	Status
Work with SOLTT Closed leadership to sunset the group and notify Stakeholders.	Stakeholder Relations	8/29/2024	Closed
Post formal feedback request on revisions to MISO's screening criteria to evaluate economic reconfiguration requests and send notice.	Stakeholder Relations	8/29/2024	Closed - request created and notice sent.
Fix link on slide 6 of the Regulatory Compliance presentation and repost following the meeting.	Stakeholder Relations	8/29/2024	Closed - presentation reposted.
Send notice to RSC distribution list for Market Guiding Principles feedback request and link to the request created following the August 22 MSC.	Stakeholder Relations	8/29/2024	Closed - notice sent.

d. Review Management Plan

The Management Plan was reviewed and accepted. An action item was taken to clarify the AME Filing item on Q1 2025.

e. Review Proposed 2025 RSC Meeting Dates

The 2025 RSC Meeting Dates were reviewed and accepted.

f. Review Proposed 2025 ROWG Closed Meeting Dates

The 2025 ROWG Closed Meeting Dates were reviewed and accepted.

2. Status Updates (Ray McCausland)

a. Steering Committee Update

The SC met on September 18. The next meeting is November 21.

b. Reliable Operations Working Group – Closed (ROWG-CLOSED) Update

The next ROWG Closed meeting is October 24.

c. Operations Training User Group (OTUG) Update

The OTUG met on August 27. The next OTUG meeting is November 19.

d. Reconfiguration for Congestion Cost Update

MISO provided a list of the Top 10 Cost Congestion Constraints from August 23 through October 9, 2024. MISO will indicate constraints that regularly appear on the list and will review to determine where we can report and discuss RCC in more detail for specific areas of market to market congestion (see action items).

3. Liaison Report (Tim Aliff)

- Operations Monthly Update (August 2024)** – Mr. Aliff provided an overview of load, performance, and highlights of notable days from the Operations Monthly Report for August 2024. MISO's reliability, markets and operational functions performed as expected in August. An all-time Solar peak was set on August 22. Contact: John Harmon (jharmon@misoenergy.org)
- Hurricane Francine Summary** – MISO Operations was well prepared to handle Francine after experiencing Beryl, and damage to the bulk electric system was minimal compared to other hurricanes that have impacted the MISO footprint. Contact: John Harmon



[\(jharmon@misoenergy.org\)](mailto:jharmon@misoenergy.org)

- **MISO - TVA Emergency Energy Agreement**— MISO and TVA have agreed to terms for the sale/purchase of Emergency Energy to and from each other when an EEA2 or higher has been declared. This agreement will be filed as a new Rate Schedule to MISO's Tariff. MISO clarified that the agreement is limited to the purchase and selling of emergency energy only. Contacts: Amy Thurmond (atthurmond@misoenergy.org); Jeremiah Doner (jdoner@misoenergy.org)
- **Regulation Requirement Increase: CPS1 Trends**— MISO provided updated CPS1 scores. These scores are now reported as part of the RSC Liaison Report. Contact: Don Hunter (dhunter@misoenergy.org)
- **Dynamic Line Ratings – ANOPR: RM24-6**— FERC Comments on a DLR framework that outlines potential solar and wind requirements for transmission line ratings were due October 15. MISO worked to developed comments consistent with its comments in the DLR NOI (AD22-5) and Order No. 881. Contact: Kalen Coleman (kcoeman@misoenergy.org)
- **MISO Feedback Response: Market Guiding Principles** – In the 22 August MSC and 29 August RSC meetings, Stakeholders were invited to review and submit feedback. The feedback provided - along with MISO's response to the feedback – is posted to the Feedback Tool on the MISO website.. Contacts: Mike Robinson (mrobinson@misoenergy.org); Kim Sperry (ksperry@misoenergy.org)
- **FERC Order 881 – Model Manager Workshop (Closed)**— This October 28 closed workshop will help in learning how to model Ambient Adjusted Ratings (AARs) in Model Manager for compliance with FERC Order 881. MISO noted in the meeting that the workshop has been rescheduled for December 9. Contact: Greeshma Nissankala (Gnissankala@misoenergy.org)
- **Winter Readiness Workshop Scheduled**—The 2024 Winter Readiness Workshop is scheduled on November 14 and will be held by Webex and conference call. Contact: Mike Mattox (mmattox@misoenergy.org)
- **Customer Readiness Symposium (CRS)** – The Q4 meeting is scheduled for November 20. The goal of the CRS is to equip customers with the awareness and tools they need to prepare for, easily use and seamlessly adopt MISO products. [Customer Readiness Symposium - November 20, 2024](#) Contact: [MISO Help Center](#)
- **Reliability Based Demand Curve (RBDC) Workshops Scheduled for Nov 15 & Dec 16** – The November workshop will provide information about RBDC process and MECT updates. The December workshop will discuss the delivered RBDCs to customers. Contact: Tammy Wiggins (twiggins@misoenergy.org)
- **Regional Resource Assessment (RRA) Workshop Scheduled for December 18** -- The December workshop will present and discuss key insights from the 2024 RRA work. Contact: Beibei Li (bli@misoenergy.org)
- **December MISO BOD/AC Week Registration Reminder** – The December BOD/AC week is scheduled for December 10-12 at Woodlands Waterway Marriott Hotel & Convention Center – Woodlands, Texas. Please note the December 2 registration deadline for in person attendance. Contact: Stakeholder Relations (stakeholderrelations@misoenergy.org)

4. Regulatory Compliance Update (Bobbi Welch)

Discuss emerging standards development projects & current FERC, NERC & NAESB Activities
MISO provided an update on the status of FERC, NERC, NAESB activities, upcoming enforcement dates, and conferences and webinars.

Current NERC-related FERC activities, dates for NERC standards posted for comment and/or ballot, current NAESB activities, and upcoming enforcement dates and conferences are included in the posted presentation.

5. RSC Issues (Chen-Hao Tsai)

Progress Update

a. Dynamic Regulation Reserve Requirement RSC-2024-1

MISO has assembled a cross-functional team and laid out an initial work plan, with the target effective date for the beginning of 2026 and is developing a methodology to quantify the net

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✓ Potential Voting Item

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uncertainty in the regulation timeframe.

Next steps are to present the uncertainty quantification methodology and results and dynamic regulation requirements at the RSC in Q1 2025.

b. Dynamic Ramp Capability Product Requirement (Uncertainty Component) RSC-2024-2

MISO has assembled a cross-functional team and laid out an initial work plan, with the target effective date for the beginning of 2026. Key findings, which MISO reviewed in detail, indicate increased uncertainty during evening hours after MISO quantified net uncertainty in the ramp product timeframe.

Next steps are to perform cost-benefit analysis to determine the Low/Medium/High uncertainty threshold with an update at the Q2 2025 RSC.

MISO will coordinate with the Reliability Subcommittee and Market Subcommittee leadership for future issue updates regarding reliability and markets impacts respectively.

6. New Business (All)

There was no new business.

7. Action Items (Jane Laskowski-Hart)

Action Item	Owner	Date	Status
Clarify the AME filing item in Q1 2025 on the management plan.	Stakeholder Relations	10/17/2024	Open
MISO was asked to provide more information on congestion related specifically for Market-to-Market constraints.	MISO	10/17/2024	Open

8. Adjournment

The meeting adjourned at 11:16 am ET / 10:16 am CT.

Next RSC Meeting: November 14, 2024 (In Person)