



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
Amber Joyce, MDU
Andrew Cameron, CBPU
Anita Collier, ACES
Art Iler, IN OUCC
Aydrik Schuh, MDU
Bakhtawar Khan, Gabel
Barton Norfleet, PSC MS
Bill Booth, Michael Best
Bill Turnbull, MEC
Bill Vanderlaan, ICC
Bing Wang, RWE
Bob German, DTE
Bob Kosner, IMEA
Brad Pope, OMS
Brian Gibson, MEC
Brian Giggee, MDU
Bridget Sparks, AES
Brock Ondaiko, AEP
Bruce Bleiweis, DC Energy
Chelsea Lisowe, WPPI
Chris Miller, FERC
Chris Norton, AMP
Christopher Plante, WEC
Cindy Guillot, Cleco
Curtis Tarwater, Sigmawatt
Dan Custer, MEC
Dan Martin, DPC
Danielle Daugherty,
Reliability First
Darrell Newcomer, CMS
Dave Harlan, Veriquest
David Cullum, ATC
David Jendras, Ameren
David Montgomery, CMPAS
David Sapper, CGA
David Savage, IURC
David Webb, Entergy

Derek Mosolf, GRE
DeWayne Todd,
Dylan Switzer, MN Power
Eric Barry, Xcel
F. Salvo, Baker Donelson
Gabe Kainz, OTP
Gail Elliott, ITC
G. Wijeweera, MB HYDRO
Ginger Hodge, CES
Heidi Martinson, CMPAS
Jaden Zum, PSCW
Jake Chapman, LA PSC
Jason Burki, Alliant
Jay Rasmussen, Duke
Jeff Kelley, NIPSCO
J. Wernert, The Prime Group
Jeremi Wofford, Ameren
Jeremy Jones, Entergy
Josh Byrnes, IA IUB
Justin Stewart, Ameren
Karl Blaszkowski, CMS
Keith Parrott, MPPA
Ken Kagy, CFU
Kevin Kilgallen, Avangrid
Kevin Kingsley, MDU
K. Dunning, Center Point
Kristie Erickson, ATC
Kurt Vanderlick, Cleco
Lane Susung, LA PSC
Leslie Hamby, Center Point
Luis de la Mora, Strom Power
Mark Price, DC Energy
Meg Nguyen, Xcel
Michael Ryan, GRE
Michelle Knight, AES
Mike Fischette, LBWL
Mike Gahimer, Arevon
Mike Samson, DTE

Mitchell Myhre, Alliant
Noel Darce, Stone Pigman
Pablo Ruiz, NewGrid
Peg Abbadini, HE
Ray McCausland, Ameren
Rhett Trease, Duke
Robert Fox, NIPSCO
Robert Thorson, MGE
R. Vosberg, LPSC Staff
Roberto Paliza, Paliza
Ryan Frink, GRE
Ryan Lovan, IA IUC
Ryan Lowe, MB HYDRO
Ryan Wernette, WPSCI
Ryan Yeoman, MI PSC
Sam Benson, MN PUC
Shirley Schultz, AMP
Stacey Dunbar, LUS
Steve Davies, IURC
Steve Rakow, MN PUC
Stewart Dover, LUS
Terry Volkmann, GLP
Thomas Smith, WEC
TJ Cochran, Ameren
Tom Weeks, MPPA
Toni Joseski, NIPSCO
Travis Foster, MPUA
Trey Mayeux, Cleco
Tricia Debleeckere, OMS
Tyler Bergman, CGA
Valy Goepfrich, WPPI
Vince Vandaveer, Ameren
Walt Ullrich, GRE
Warren Hess, CMPAS
Will Koebel, PSCW
Zach Fjestad, OTP
Zachary Callen, ICC

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^ Feedback Requested

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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

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(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 (athurmond@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 develop 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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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)