



**Distributed Energy Resources Task Force (DERTF)**  
**October 20, 2023**  
**Conference Call/Webex**  
**10:00 am – 12:00 pm ET / 9:00 am – 11:00 am CT**  
**Dial-in and WebEx information available at [www.misoenergy.org](http://www.misoenergy.org)**

**Minutes**

**1. Administrative Items (Z. Callen)**

**a. Welcome / Roll Call**

**Public Meeting Announcement**

The meeting was called to order at 10:00am ET/9:00am CT.  
The Public Meeting Announcement was referenced.  
The Meeting Discussion Protocol was referenced.  
Chair: Zachary Callen  
Vice Chair: Mike Schowalter  
MISO Liaison: Marc Keyser  
Stakeholder Relations: Mandi McGirr

**Participants:**

Adam McKinnie, PSC MO  
Alison Archer, MISO  
Amber Joyce, MDU  
Ann Solomon, MISO  
Art Iler, OUCC IN  
Ashley Peterson, Entergy  
Ben Kaldunski, Xcel/NSPW  
Bob German, DTE  
Bob Kuzman, MISO  
Brad Pope, OMS  
Brandon Stuckey, AES  
Brian Hallett, RF  
Brian Lebens, MN  
Brock Ondayko, AEP  
Caleb L, AEP  
Carolyn Wetterlin, Xcel  
Chad Allen, MISO  
Chamberlain, Thomas,  
Entergy  
Chris Akin, CenterPoint  
Chris Delk, MISO  
Chris Hickman, CUSLN  
Chris Miller, FERC  
Chris Norton, AMP  
Chris Villarreal, Plugged In  
Christos Ghionis, Terna  
Christov Churchward,  
MISO  
Chuck Hookham, CMS  
Ciaran Gallagher, Clean  
WI  
Cindy Guillot, Cleco  
Conor McKenzie, GPISD  
Craig Turner, Dakota  
Craig Wrisley, Xcel  
Cy McNeill, Alliant  
Daniel Ahrens, MISO

Darrell Newcomer, CMS  
Darren Kearney, SD PUC  
Daryl Brown, MISO  
David Duebner, MISO  
David Harlan, Veriquest  
David Osterkamp, ITC  
David Sapper, CES  
Debyani Ghosh,  
Guidehouse  
Derek Mosolf, MISO  
DeWayne Todd, Alcoa  
Dylan Stockert, MDU  
Elie, Christopher, Duke  
Erik Hanser, MI  
Yarrow Etheredge,  
Entergy  
Frederick Salvo, Baker  
Donelson  
Grant Gunderson, MN  
Greg Weiss, Ameren  
Heidi M, CMPAS  
Huiyi Jackson, EEI  
Hunt, David E, Entergy  
Hwikwon Ham, MN PUC  
Jacob Goodspeed,  
PGN/PGE  
Jacob Lampi, CIPCO  
Jake Weinberg, Gable  
Jason Mazigian, BEPC  
Jason Mestanza, EEI  
Javier Martinez, WI  
Jeff Kelley, Nisource  
Jeremi Wofford, Ameren  
Jeremy Jones, TFE  
Jim Holsclaw, MISO  
Jim Waight, Siemens  
Jody Londo, Xcel

Joan Soller, WVPA  
John Reinhart, GRE  
John Thomasen, MGE  
John Wachtler, MN  
Jordan Bakke, MISO  
Joseph Sullivan, MN PUC  
Josh Smith, Cleco  
Joshua Spalding, AES  
Julie Rogers, PCI  
Justin Vickers, Sierra Club  
Kari Hassler, Xcel  
Karolanne Foley, DPC  
Ken Kagy - CFU  
Kevin Kingsley, MDU  
Khamsune Vongkhamchanh,  
Entergy  
Kim Sperry, MISO  
Konstantin Korolyov, DTE  
Kyle Johnson, MISO  
Kyle Trotter, MISO  
Laura Witzling, WI  
Lauren Godfrey, MISO  
Lucie Semone, Solsystems  
Lynn Hecker, MISO  
M Wagner, ITC  
Maddie Shanahan, Calfee  
Madeleine Balchan, Xcel  
Maida J Session, Duke  
Malcolm Ainspan, NRG  
Marcia Podratz, MN  
Marcus Hawkins, OMS  
Matt Reed, NMPP Energy  
Maxx Snell, MDU  
Meera Shukla, MISO  
Megan Pamperin, MISO  
Michael Jewell, Jewell &  
Assoc.



Michael Kessler, MISO  
 Michael Robinson, MISO  
 Michaela Flagg, CES  
 Myhre, Mitchell, Alliant  
 Nathan Williams, AIC, Ameren  
 Neil Shah, MISO  
 Nick Korhonen, GRE  
 Nina Toller, Guidehouse  
 Andrew Owens, Entergy  
 Pamela Paultre, Entergy  
 Patrick Dalton, MISO  
 Paul Kasper, MISO  
 Peg Abbadini, HE  
 Peter Dotson-Westphalen, CPower  
 Preston Blinsky, BEPC  
 Randi Terry, MISO  
 Rao Konidena, Voltus Consultant  
 Rebecca Moore

Darrah, WVPA  
 Richard Graham Barrett, NJBPU  
 Rob Thorson, MGE  
 Robert Vosberg, LPSC Consultant  
 Rodney Massman, PSC MO  
 Rowan Edwards, NGR  
 Ryan Frederic, PSC MO  
 Ryan Wernette, Wolverine  
 Sam Hipple, MISO  
 Sam Ressin, AEU  
 Scott Jones, OUCC IN  
 Sean Shafer, Voltus  
 Shelby Leisz, AES  
 Shelby Riese, WPPI  
 Shirley Schultz, AMP  
 Srijan Karim, MEC  
 Stacie Gruca, AEP

Steve Clay, MISO  
 Steve Davies, IURC  
 Sydney Yeadon, MISO  
 Tag Short, MISO  
 Tatiana Shangina, MD  
 Telly Mason Jr, MISO  
 Terry Jarrett, MJMEUC  
 Todd Hillman, MISO  
 Travis, CenterPoint  
 Trey Mayeux, Cleco  
 Tricia DeBleeckere, MISO  
 Troy West, Cleco,  
 Valy Goepfrich, WPPI  
 Ven Bujimalla, IUB IA  
 Vince Vandaveer, Ameren  
 Vish, Solsystems  
 Wally Nixon, AR PSC  
 Webb, David, Entergy  
 Zhaoxia Xie, MISO

**b. Review Agenda**

The agenda was reviewed and accepted as posted.

**c. Review Minutes/Action Items**

The minutes were reviewed and accepted as posted. All action items have been closed. Technical questions on DER topics will continue to follow the stakeholder process guidelines for topic assignment. Order 2222 compliance topics will fall into this process as well and may use the DERTF or other venues for discussion. The action item regarding distribution interface and other PAC items was discussed and resolved at the Planning Advisory Committee (PAC).

Action Item	Owner	Date	Status
MISO to schedule next DERTF Meeting (tentatively October)	Stakeholder Relations	07/27/2023	Closed
Request for MISO to determine where <b>technical questions on DER topics</b> will be discussed	MISO	07/27/2023	Closed
MISO will consult with the PAC Chair on a smooth transition of the following topics from one forum to another: <ul style="list-style-type: none"> <li><b>Distribution Interface topics</b></li> <li>questions raised at PAC re: <b>MISO DER Affected System Study</b> and coordination between the Transmission Owners (TOs)</li> </ul> <p><b>Status Update:</b> PAC Chair to address a response to these questions at the next PAC meeting on August 30, 2023.</p>	MISO	07/27/2023	Closed

**d. Review Management Plan**

The management plan was reviewed.

**e. 2024 DERTF Calendar Review**

The 2024 DERTF Meeting Calendar was reviewed.



**f. Call for Leadership Nominations**

The DERTF is currently accepting nominations for the positions of Chair and Vice Chair for the term of January 2024 – December 2024. Incumbents, Zac Callen (chair) and Mike Schowalter (vice chair) have expressed their interest in serving again. Interested candidates should email a short biography to Stakeholder Relations at [stakeholderrelations@misoenergy.org](mailto:stakeholderrelations@misoenergy.org) for consideration by November 2, 2023. MISO will send a notice to the DERTF distribution list requesting nominations. The leadership election and announcement for the DERTF is expected to be held by email.

**2. Status Reports and Other Updates**

**a. Liaison Report (M. Keyser)**

- MISO Website Upgrade Launch Planned for Mid-December – Contact: Jay Hermacinski
- LMR Accreditation Update at the RASC – November 7-8, 2023
- DER Modeling Update at the PSC – November 29, 2023
- DER Modeling Requirements under MOD-032 Revisions – This topic can be followed at the Planning Subcommittee (PSC). A stakeholder feedback request is currently open at the PSC and will close on November 15, 2023. [PSC: DER Modeling \(20230927\)](#) Contact: Kyle Johnson
- Upcoming Events
  - Attributes Workshop – October 31, Contact: Jordan Bakke
  - Winter Readiness Forum – October 31, Contact: Stakeholder Relations
  - LRTP Workshop – December 1, Contact: Jarred Miland
  - December Board Week: Registration deadline is November 10, Contact: Stakeholder Relations

**3. State Regulator Panel (Moderated by Z. Callen)**

**Commissioner Joe Sullivan (MN PUC), Wally Nixon (AR PSC), and Steve Davies (IURC)**

***How states are preparing for Order 2222 and DERs***

Zac Callen, DERTF Chair, provided a brief biography for each of the panelists and moderated a discussion with state regulators and stakeholders. Joseph Sullivan was appointed to the Minnesota Public Utilities Commission (MN PUC) by Governor Tim Walz on April 6, 2020. He currently serves as Chair of the MISO Regional Expansion Criteria and Benefits Working Group (RECBWG) and is a member of the Board of Directors for the Organization of MISO States (OMS). Wally Nixon is Chief Counsel and one of several legal advisors for Arkansas’s three Commissioners. He has served at the Arkansas Public Service Commission (AR PUC) with a focus on energy efficiency, demand response, DERs, and net metering since 2006. Steve Davies is the Senior Assistant General Counsel at the Indiana Utility Regulatory Commission (IURC). He attended law school at Maine Law – Portland and spent a number of years working as an electrician, including eight years as a construction electrician in the U.S. Navy Seabees.

**First Set of Questions:**

- **How has your state prepared for Order 2222 and more DER on the system? How ready are you for Order 2222 and how much is left to be done?**
- **What are your next steps in preparing for Order 2222?**
  - **What is the most important thing that states need to do to get ready?**
- **What would make preparing for Order 2222 easier? What information could you use from utilities, MISO aggregators and corporations, or other states?**

The panelists discussed the level of DER preparedness in MN, AR, and IN. A new law will be implemented by December 31, 2023, that will reactivate DER activities in AR. Both AR and IN started with educational opportunities including workshops in AR. MN would like clarification or understanding of what FERC is going to do with demand response aggregation and specifically with respect to RERRA opt-out rights. The panelists recommended that MISO could be a platform to help with visibility on demand response and better tracking of the DER OMS Survey. Other information that would be helpful is knowing the size and scope of DER deployment, as it is hard to plan without knowing that information. IN has held public meetings around Order 2222.

**Second Set of Questions:**

- **What are the biggest challenges and barriers that you see when it comes to Order 2222?**  
Some of the barriers and challenges discussed were the new law in AR regarding net metering, site review process, concept of ‘vehicle to grid’, keeping administrative proceedings in IN moving and having everything ready before RTOs, and aggregation in MN. There was discussion about enrollment in third-party programs: How do we think about third-party aggregators? Some utilities want to use DER in emergency times only.
- **What are your hopes for Order 2222 and DER? What are the positive outcomes that you see flowing from this order?**
  - **Where do DERs fit in the context of the energy transition that we are currently undergoing?**  
AR is seeing utilities putting in a lot of solar. In IN the fit will depend on the scale of price signals and the size and scale of deployments. MN hopes to have all these resources on the sidelines and better integrated into the system. Energy efficiency has unlocked a tremendous amount of innovation and MN would like to continue to bring benefits to the system by unlocking individual and company innovation. The panelists agreed that DERs can be recognized as valuable. At this point there are third parties doing a lot of work but no aggregators.

**Third Set of Questions:**

- **What problems do we need to solve as DER usage expands? Visibility, cost allocation, affected system studies, cybersecurity, data access, information exchange, or others?**  
IN has identified and posted a list of potential issues on the IURC website but recognized they may not be aware of all the possibilities. AR is grateful to have the Department of Energy (DOE) technical assistance and grants but recognized that commission resources will be a problem that will need to be addressed. MN utilities are making investments into visibility, improved SCADA, and the MN commission is focused on how the DER systems work related to other types. MN recommended for MISO to focus on market design. The group discussed the need for better real-time visibility regarding emergency ranking and access to DER resources.
- **What coordination has your state made with other states regarding DER integration, if any?**
  - **[For Indiana] What have you learned from your state’s experience with PJM that you think states in MISO could learn from?**  
MISO and stakeholders thanked Chair Callen, Vice Chair Showalter, and the panelists for a great discussion. And the panelists expressed gratitude for hearing what’s happening across state lines.

**4. Distributed Energy Resources (DER) - FERC Order 2222 Compliance (MSC-2019-2)(M. Kessler) *Summary & Review of October 10, 2023 – Order on Compliance Filing***

MISO discussed actions in response to FERC’s Order directing a further compliance filing regarding Order No. 2222. MISO is evaluating FERC further compliance requirements to determine those that can be addressed within 60 days. MISO is evaluating an extension of time to address items where FERC has either directed or encouraged further stakeholder discussion, or where MISO believes further stakeholder discussions are appropriate. MISO shared that other RTOs have also requested extensions. MISO will file a FERC compliance filing with respect to the items that can be addressed within that timeframe Order 2222 by December 11, 2023.

MISO provided a high-level overview of FERC’s Order 2222 - October 10, 2023 (ER22-1640) addressing MISO’s compliance filing. MISO shared its compliance approach, potential 60-day compliance elements (interconnection, reliability reviews, market mitigation, information/data, cost allocation, dispute resolution, and market participation), discussed Commission directed coordination topics, matters appropriate for additional stakeholder outreach, and potential stakeholder discussion



forums. FERC accepted all aspects of MISO’s filing that were not contested. With respect to implementation timing, MISO shared that the Commission found that it was appropriate for MISO to defer DER requirements until after MISO’s Market System Enhancement (MSE) Project was completed. MISO reported delays of the MSE Project in the MISO Markets Committee and Technology Committee of the Board of Director Meetings in 2023.

In addition to those matters for which the FERC specifically either directed or encouraged stakeholder outreach, MISO identified the following matters that are appropriate for additional stakeholder outreach: Order 2222 implementation date, Single node vs. multi-node aggregations, and Affected System Studies for DER interconnection. MISO has not yet determined the amount of time necessary or the appropriate forums to undertake stakeholder discussions. Stakeholders asked MISO to add the Planning Subcommittee (PSC) and the Planning Advisory Committee (PAC) to the list of discussion forums.

**5. New Business (All)**

None

**6. Action Items (M. McGirr)**

Action Item	Owner	Date	Status
<p><b>Leadership Nominations</b> – interested candidates to email brief biography to Stakeholder Relations by November 2; MISO to send notice to the DERTF distribution list</p> <p><b>Status Update:</b> MISO sent notice to stakeholders on 10/20/2023.</p>	MISO	10/20/2023	Closed

**7. Adjourn**

The meeting adjourned at 11:40 am ET / 12:40 pm CT.

**Next Meeting:** January 11, 2024  
Conference Call/Webex