



2025/2026 Planning Resource Auction (PRA) Update

Resource Adequacy Subcommittee

January 15, 2025

Slide 17 has been updated

Purpose & Key Takeaways



Purpose:

Provide an update on the Planning Resource Auction (PRA) process for the upcoming PY 2025/26 PRA.

Key Takeaways:

- MISO and stakeholder preparations for 2025/26 PRA are well underway, with critical deadlines approaching.
- Initial SAC values & UCAP/ISAC ratios posted on December 15; SAC values expected to be finalized by February.
- Stakeholders should be aware of actions needed to satisfy deadlines and resources available to assist with any questions with PRA participation.

Planning Year 2025/2026 PRA Recent Updates

Review of Recent PRA Updates (since Nov RASC)

- Reliability Based Demand Curve
 - [RBDC Opt-Out Adders](#) Published
 - RBDCs (“curves”) Published; [graphical](#) and [numeric](#)
- Accreditation
 - Schedule 53 Initial SAC values & [UCAP/ISAC ratio](#) posted (please review)
 - Non-Schedule 53 SAC values available in MECT

UCAP/ISAC ratios drop due to retirements and unit performance improvement during RA hours

- UCAP Change Drivers

- Unit retirements / replacements
- Trend consistent with LOLE study

- ISAC Change Drivers

- Improved performance of units during critical RA hours, specifically for new year of operational data (9/2023 – 8/2024)
- RA/Non-RA hour weighting change: 70/30 in PY 2024/25, 80/20 in PY 2025/26

PY 25/26*	FALL	WINTER	SPRING	SUMMER
UCAP (GW)	104.3	109.8	105.6	105.2
ISAC (GW)	99.1	99.9	95.5	106.3
Ratio*	1.05	1.10	1.11	0.99

PY 24/25	FALL	WINTER	SPRING	SUMMER
UCAP (GW)	109.5	114.9	109.9	110.1
ISAC (GW)	97.7	98.3	94.8	105.5
Ratio	1.12	1.17	1.16	1.04

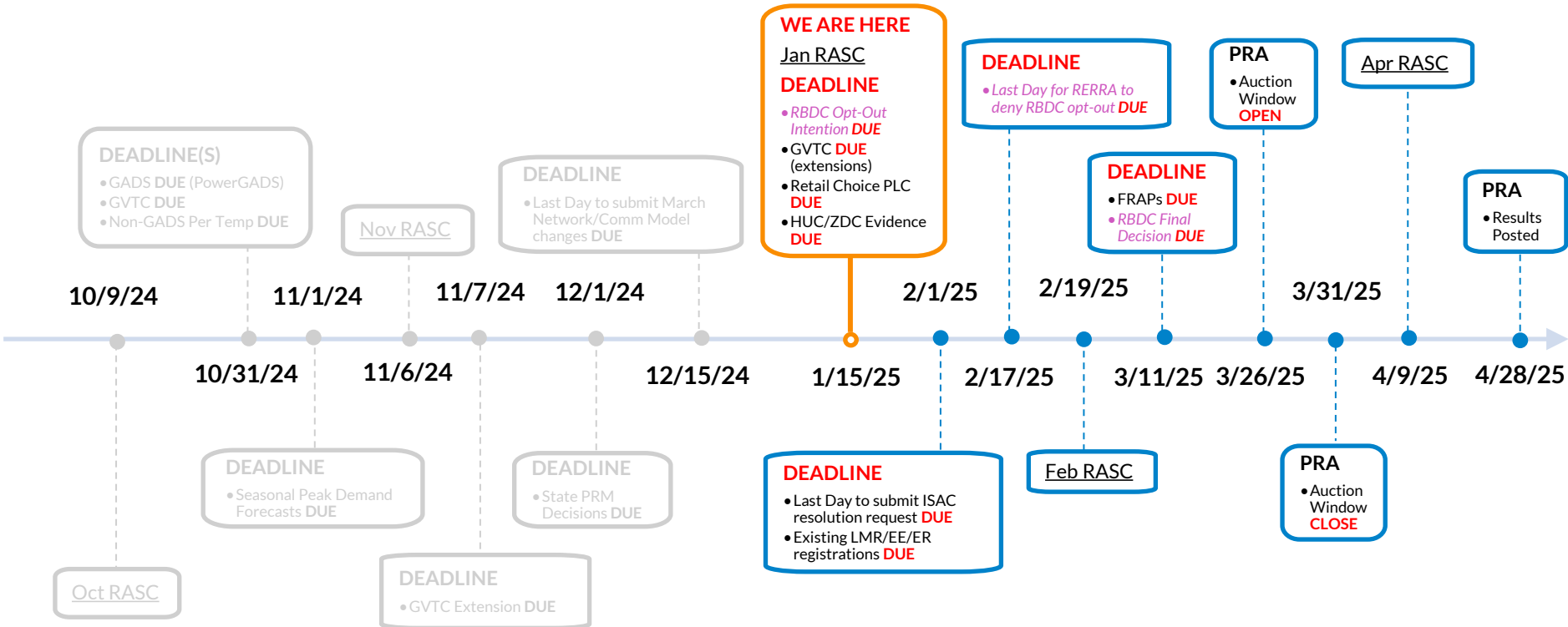
Important Dates for Schedule 53 SAC

- **Jan. 15, 2025** – Generation Verification Test Capacity (GVTC) due for resources which requested formal GVTC extension
- **Feb. 1, 2025** – Last day to submit Schedule 53 related ISAC/SAC inquiry/resolution requests through MISO Help Center.
- **Feb. 15, 2025***
 - MISO will post final ISAC, UCAP/ISAC ratio, and SAC values for Schedule 53 resources.
 - MISO will unlock MECT functionality to confirm and convert Schedule 53 resources.
 - Deadline for ICAP Deferral submission
- **Feb. 28, 2025** – Capacity accreditation updated for resources granted ICAP Deferral

Planning Year 2025/2026 PRA Timeline & Deadline Review

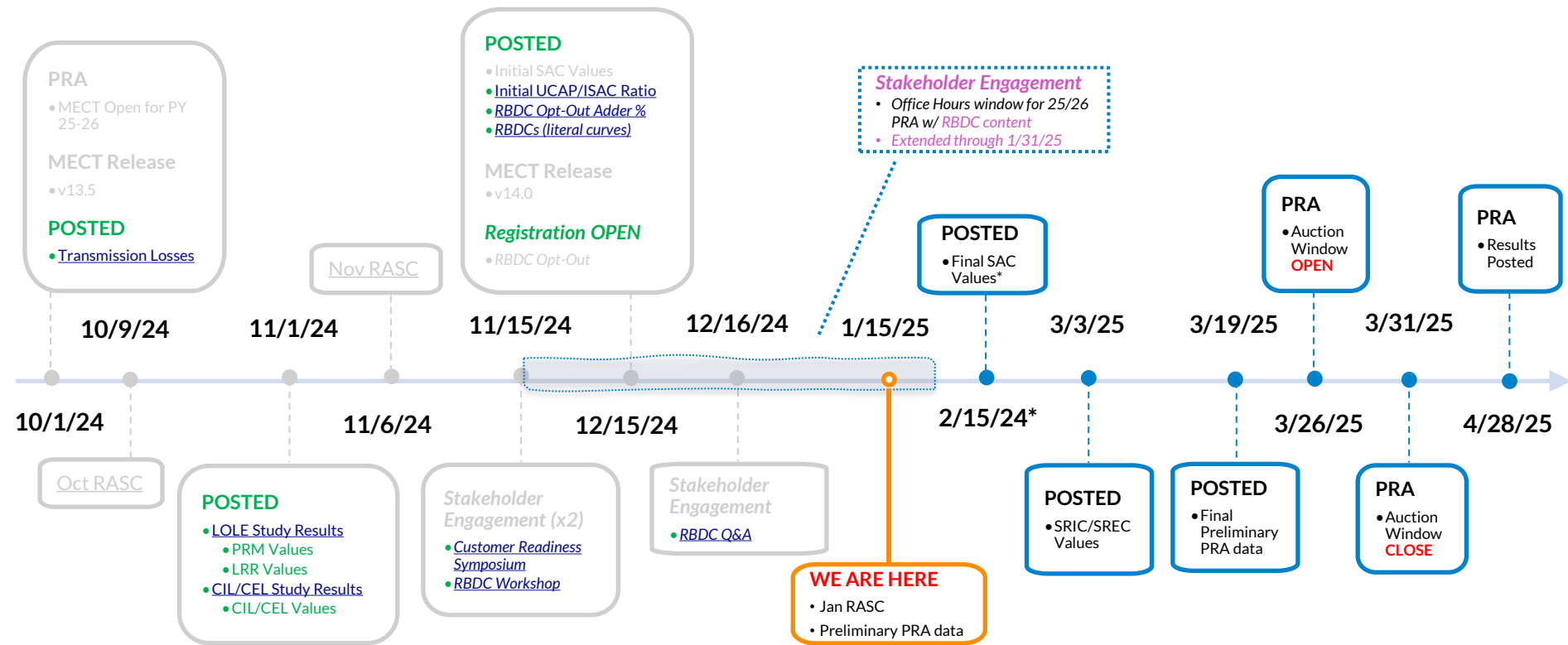
Planning Year 2025/2026 PRA Timeline (*RBDC emphasis*)

- Critical Stakeholder Deadlines



Planning Year 2025/2026 PRA Timeline (*RBDC emphasis*)

- MISO Postings & Stakeholder Engagement



Proactive Reminders of Critical Deadlines

- Load Modifying Resource Testing Guidelines

- Notification sent to all MECT users in December providing reminder of acceptable testing criteria for LMRs.
- MISO continues to see testing inconsistencies between MPs of LMRs, particularly for Demand Response.
- MISO reviews MP-submitted test data and results in alignment with current BPM-011 provisions.

- HUC Registrations: Evidence

- Notification sent to all Asset Owners in January which have previously registered a Historic Unit Consideration (HUC) hedge.
- Initial HUC registration must include information supporting HUC eligibility by January 15.
- Refer to [MECT User Guide](#) pgs. 66-68 for instructions on HUC data submission.

Disclaimer: This is a snapshot of the data which is preliminary and thus incomplete. MISO anticipates it may change significantly as we progress through the process. Data in this presentation is still subject to review. MISO makes no representations or warranties regarding the correctness or accuracy of the data provided herein and shall not be responsible for any party's reliance on this data.

Preliminary PRA Data

2025/26 PRA - Preliminary Data posting

Background:

- First socialization of preliminary data for 2025/26 PY PRA posted today (1/15/25) to MISO public RA page.
- Preliminary PRA data will be posted biweekly through 3/19/25 and is intended for insight into critical variables related to the PRA
- Best current indication of inputs to the PRA, such as PRMR, LCR, SAC, etc.
- Please reach out via the Help Center for any questions regarding Preliminary PRA Data.

Changes from past years:

- No substantive change to information included, but format has been revised to aid understanding
 - Load obligations (Determinants for PRMR, LCR)
 - Resources (SAC, Resource Registrations, Exclusions, etc.)
- Same metrics from 2024/25 PY PRA (actuals) provided for quick comparison purposes

REMINDER TO EXERCISE CAUTION:

- Today's data is the first cut, very preliminary, and will change
- Many data points specific to Resources are outstanding and will remain so until closer to March:
 - ICAP Deferral intention deadline February 15
 - IMM exclusion requests due March 14
- Recall RBDC and exercise caution if attempting to predict pricing outcomes

Preliminary Data Format & Presentation

Preliminary PRA Data snapshot (Summer 2025; updated data available on MISO RA page).

PRELIMINARY* PRA DATA POSTING - PY25-26 SUMMER																			
PRMR	1	2	3	4	5	6	7	8	9	10	N/C	S	Total						
Coincident Peak Forecast (CPF) (MW) [M]	16,533.8	12,224.3	9,862.1	8,412.4	7,541.1	16,745.8	19,089.2	7,709.4	19,859.9	4,683.9	90,408.7	32,253.2	122,661.9						
Transmission Loss (TL) for CPF (MW) [N]	438.5	215.2	225.9	148.9	133.9	420.0	528.9	169.7	355.2	82.5	2,111.2	607.3	2,718.5						
Planning Reserve Margin (PRM %) [P]	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%						
Planning Reserve Margin Req (PRMR) (MW) [Q] = [(M+N)*(1+P)]	18,313.1	13,422.2	10,885.0	9,237.6	8,281.3	18,521.9	21,167.9	8,501.5	21,812.1	5,142.9	99,829.0	35,456.5	135,285.5						
LCR	1	2	3	4	5	6	7	8	9	10									
Zonal Coincident Peak Forecast (ZCPF) [A]	17,519.2	12,406.8	9,958.8	8,538.9	7,680.0	16,805.2	19,744.2	8,110.9	20,840.8	4,838.0									
Transmission Loss (TL) for ZCPF (MW) [B]	465.2	218.7	227.7	138.1	136.2	421.3	619.3	178.4	372.3	85.5									
Local Resource Requirement (LRR) [C]	1.195	1.135	1.318	1.280	1.301	1.262	1.138	1.350	1.136	1.447									
Zonal Import Ability (ZIA) [D]	6,023	4,370	5,460	7,757	4,117	8,366	3,569	2,358	4,361	4,474									
Controllable Exports [E]	2	0	58	892	0	284	10	164	511	0									
Capacity Import Limit (CIL) [F] = [(D+E)]	6,025	4,370	5,518	8,649	4,117	8,650	3,579	2,522	4,872	4,474									
Local Clearing Requirement (LCR) [G] = [(A+B)*C-D-E]	15,466.4	9,960.0	7,907.8	2,457.5	6,051.8	13,089.9	19,594.6	8,668.6	19,226.1	2,650.3									
	1	2	3	4	5	6	7	8	9	10	E20	E22	E23	E24	E26	E27	E28	Total	
Total Installed Capacity (ICAP)	24,862.5	14,899.9	21,492.8	11,254.3	8,006.9	17,203.5	22,546.6	10,932.6	21,866.9	6,509.4	144.0	0.0	0.0	0.0	0.0	0.0	74.7	12.0	159,806.1
Total Seasonal Accredited Capacity (SAC)	16,673.8	13,611.0	9,607.4	8,750.9	6,336.2	13,939.4	19,142.9	10,195.8	20,535.1	5,505.6	142.2	0.0	0.0	0.0	0.0	133.4	12.0	124,585.7	
Market Participant Confirmed SAC	94.6	0.0	0.0	143.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.7	
Market Participant Converted UCAP into Zonal Resource Credits (ZRC)	94.6	0.0	0.0	143.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.7	
Potential IMM Exclusion SAC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OASIS Attachment Y Reported MW of Approved Generation Retirement	150.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.2	
Total Effective Suspension MW in Auction Period	0.0	1,030.7	251.4	1,371.0	877.0	0.0	1,945.2	0.0	807.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,282.5	
	1	2	3	4	5	6	7	8	9	10	EZ	Total							
BTMG Registrations In Progress	49	2	5	0	0	0	1	0	0	1		58							
DR Registrations In Progress	4	0	0	0	1	8	1	7	0	0		21							
EE Registrations In Progress	0	0	0	0	0	0	0	0	0	0		0							
ER Registrations In Progress	3	2	1	0	0	0	0	0	0	0	11	17							
Sub Total of Registrations In Progress	56	4	6	0	1	8	2	7	0	1	11	96							

Planning Year 2025/2026 PRA RBDC Support & Readiness

Stakeholder Readiness Engagement & Support Detail

- **Support: Office Hours**

- Many MPs have scheduled 1:1 time with MISO staff to review specific questions, some on multiple occasions – **thank you!**
- MISO will continue to offer this availability through 1/31/25

- **Support: Previous Engagements Preserved for Reference**

- [RBDC Workshop](#) (11/15/24)
- [Customer Readiness Symposium](#) (11/20/24)
- [RBDC Q&A](#) (12/16/24)
- [RBDC Q&A](#) (1/13/25)

Load Modifying Resource Testing Guidelines

MISO is Clarifying the Load Modifying Resource Testing Guidelines for the Current Planning Year

- A contractual relationship between the ~~MP ARC~~ and the LMR ~~for the contracted MW amount or Firm Service Level amount~~
 - The contract must be active for all Seasons in which the resource is registered and;
 - Market Participants must provide evidence that contracts signed in previous years are still active
 - ~~Customer opt ins, such as enrollment in a utility DR program, is a sufficient contractual relationship~~
- ~~AND Either the contract or additional supporting documentation must demonstrate:~~
 - Detailed information regarding how the resource achieves its demand reduction, including response time and;
 - How many MWs the end-use customer agrees to provide OR an agreement specifying a Firm Service Level the end-use customer agrees to curtail load to
 - ~~Customer opt ins, such as enrollment in a utility DR program, is a sufficient contractual relationship~~
- All LMR-DR (including untested DR) except those that have submitted a real power test that demonstrates 100% of their registered capability must submit:
 - Historical meter data for 10 days around the MISO seasonal Coincident Peak with the MISO seasonal Peak as a midpoint.
 - Provide detailed documentation explaining why 100% reduction was not achieved

MISO is Clarifying the Load Modifying Resource Testing Guidelines for the Current Planning Year

- Resources using the firm service level (fsl*) M&V must reduce Load to the fsl to qualify for the fsl M&V method and this reduction must be at least 50% of the registered value
 - Attachment TT may be used if the fsl is not achieved during a real test
- Aggregations of households will be required to submit a detailed report describing how the load reduction is achieved, how the load reduction works, and how the load reduction value is calculated
- MISO will work send specific guidance to registered resources if more information is required
 - These changes will be effective for resources registering in the upcoming PRA
 - All DR LMRs that have already submitted information, whether accepted or not, that does not provide the details discussed today need to resubmit their registration
 - LMRs that are failing to provide the required information are subject to removal from the PRA

Additional Information Released to MECT Users in December

- Ahead of the upcoming LMR registration period for the PRA, MISO would like to remind Market Participants of testing requirements in BPM-11 for Demand Resources (Section 4.2.7.8).
-
- If the DR is being registered with a Firm Service Level (FSL) any load reduction below the FSL can't count towards test performance.
 - For example, if an LMR with a 10 MW load shows a real power test load reduction from 10MW to 2MW, but wants to registering with a FSL of 3MW, the maximum capability that LMR would qualify for is 7MW.
- A real power test must not be longer in duration than the intended notification time selected during registration.
 - For example, if you are registering an LMR with a 6 hour notification time, the maximum duration of your real power test should not exceed 6 hours.
- Detailed documentation must be provided to support any adjustments made where the test demonstrates performance less than 100% of the registered capability. Test performance must be at least 50% of the registered capability.
 - If the test only demonstrates 50%-80% of the registered capability, in addition to supporting documentation, an attestation from an officer of the Market Participant registering the DR, or from a financially responsible entity, must be provided.
 - These adjustments to DR test results are subject to MISO review and approval during the LMR registration process **each year**.
 - Approval in prior years does not guarantee approval in subsequent years.
 -
- This is not an exhaustive list of requirements; it is only meant to clarify some questions MISO has received in the past around existing testing requirements.



Thank you!

Please submit questions and/or
requests to MISO [Help Center](#)

Appendix

Additional Resources

- [LOLE Study](#)
- [CIL / CEL Study](#)
- [RBDCs & RBDC Opt-Out Adder](#)
- [RA/SAC/RBDC FAQ Page](#)
- [Resource Adequacy Webpage](#)

Acronyms

- ACP: Auction Clearing Price
- ARC: Aggregator of Retail Customers
- BTMG: Behind the Meter Generator
- CIL: Capacity Import Limit
- CEL: Capacity Export Limit
- CONE: Cost of New Entry
- CRNCC: Capacity Replacement Non-Compliance Charge
- FRAP: Fixed Resource Adequacy Plan
- GADS: Generating Availability Data System
- GVTC: Generator Verification Test Capacity
- HUC: Historic Unit Consideration
- ISAC: Intermediate Seasonal Accredited Capacity
- IMM: Independent Market Monitor
- LCR: Local Clearing Requirement
- LMR: Load Modifying Resource
- LOLE: Loss of Load Expectation
- LRZ: Local Resource Zone
- LSE: Load Serving Entity
- MECT: Module E Capacity Tool
- MME: Maintenance Margin Exemption
- PRA: Planning Resource Auction
- PRM: Planning Reserve Margin
- PRMR: Planning Reserve Margin Requirement
- RASC: Resource Adequacy Sub-Committee
- RBDC: Reliability Based Demand Curve
- RERRA: Relevant Electric Retail Regulatory Authority
- SAC: Seasonal Accredited Capacity
- SREC: Sub-Regional Export Constraint
- SRIC: Sub-Regional Import Constraint
- TRE: Timely Request Exemption
- UCAP: Unforced Capacity
- ZRC: Zonal Resource Credit