



Planning Year 2025-2026 Indicative Direct Loss of Load (DLOL) Results

Highlights

- MISO has committed to publishing indicative accreditation results based on the Direct Loss of Load (DLOL) methodology prior to each Planning Resource Auction, starting with Planning Year (PY) 2025-2026, until the DLOL methodology is implemented in Planning Year 2028-2029.
- Results under the DLOL methodology include indicative Resource Class-level Unforced Capacity (UCAP), Planning Reserve Margin Requirement (PRMR), and Local Reliability Requirements (LRRs). Indicative Schedule 53A Seasonal Accredited Capacity (SAC) values for resources are also [available to request](#).
- Results include updates made to storage modeling and demand response dispatch [as presented at the April 2025 Resource Adequacy Subcommittee \(RASC\)](#). MISO's recommended storage dispatch methodology, Even Loss, will be implemented in the PY 2026-2027 LOLE Study and is reflected throughout the results.



Introduction

In compliance with Schedule 53A of the MISO Tariff, MISO performed indicative Resource Class-level UCAP and PRMR calculations, using the Planning Year 2025-2026 Loss of Load Expectation (LOLE) study models. Indicative LRRs and indicative Schedule 53A Seasonal Accredited Capacity (SAC) values for resources are [available to request](#).

The Direct Loss of Load (DLOL) methodology will be first implemented in the Planning Year 2028-2029. MISO published a [Resource Accreditation White Paper](#) which describes the methodology in detail. A summary of the calculation steps from the white paper are provided in the diagram below.

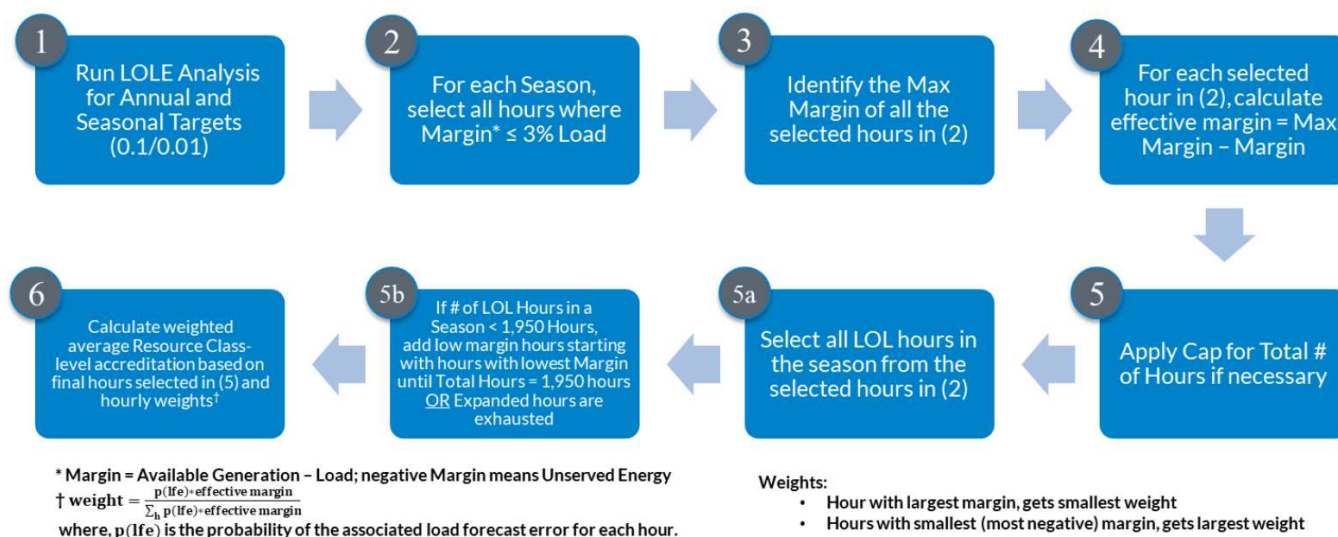


Figure 1: Direct Loss of Load calculation process diagram (Source: [Resource Accreditation White Paper Version 2.1](#))



Updated Indicative Resource Class-level UCAP (DLOL) Results

Indicative Resource Class-level UCAP based upon the DLOL methodology and expressed as a percentage of installed capacity (ICAP) are:

PY 2025-2026	Summer	Fall	Winter	Spring
Biomass	52%	47%	51%	49%
Coal	89%	85%	76%	72%
Dual Fuel Oil/Gas	87%	84%	79%	77%
Gas	88%	85%	64%	68%
Combined Cycle	95%	92%	77%	78%
Nuclear	94%	91%	90%	81%
Oil	77%	75%	74%	73%
Pumped Storage	98%	93%	77%	66%
Reservoir Hydro	89%	82%	76%	70%
Run-of-River Hydro	62%	52%	58%	63%
Solar	45%	28%	19%	28%
Wind	8%	15%	23%	15%
Storage*	61%	88%	85%	90%

***Storage modeling considerations:**

- *Storage was modeled using the Even Loss dispatch, along with general storage and demand response dispatch updates, [as presented at the April 2025 RASC](#).
- All storage results assume 4-hour capability.
- Even Loss is MISO's recommended methodology and will be implemented in the PY 2026-2027 LOLE Study.

Modeling Improvements:

- Storage modeling has been updated since the [PY 2023-2024 indicative DLOL](#) values were calculated. For PY 2023-2024, storage was modeled as must-run units with a flat 5% forced outage rate. This study models storage more realistically as energy limited resources that discharge during high-risk hours and charge during low-risk hours.
- Thermal results reflect an improved alignment of planned maintenance with historical rates across resource classes, as [MISO presented at the July Resource Adequacy Subcommittee](#).



Updated Indicative PRMR (DLOL) Results

Indicative Resource Class-level UCAP in MW, PRMR in MW, and Planning Reserve Margin (PRM) expressed as a percentage of MISO system peak demand, based upon the Direct Loss of Load (DLOL) are:

PY 2025-2026	Summer	Fall	Winter	Spring	Formula Key
Biomass	273	279	258	252	[A]
Coal	35,100	33,268	29,017	27,844	[B]
Dual Fuel Oil/Gas	6,591	6,550	6,791	6,055	[C]
Gas	20,354	20,016	16,634	16,568	[D]
Combined Cycle	28,822	28,377	26,485	24,663	[E]
Nuclear	11,963	11,575	11,708	10,399	[F]
Oil	1,263	1,270	1,542	1,266	[G]
Pumped Storage	2,565	2,473	2,019	1,672	[H]
Reservoir Hydro	1,857	1,387	886	856	[I]
Run-of-River Hydro	721	592	646	707	[J]
Solar	3,388	2,128	1,448	2,485	[K]
Wind	2,334	4,198	6,414	4,202	[L]
Storage	62	89	86	338	[M]
Total Unforced Capacity	115,293	112,202	103,935	97,307	[N] = Sum of [A] thru [M]
Adj. {1d in 10yr}	(2,740)	(9,680)	(6,500)	(10,375)	[O]
Firm External Support UCAP	1,935	2,215	2,594	2,309	[P]
BTMG	4,050	3,661	3,158	4,032	[Q]
Demand Response	7,852	6,220	6,504	6,370	[R]
MISO UCAP PRMR (MW)	126,390	114,618	109,692	99,643	[S] = Sum of [N] thru [R]
MISO System Peak Demand (MW)	123,576	108,109	103,910	98,680	[T]
MISO UCAP PRM %	2.3%	6.0%	5.6%	1.0%	[U] = ([S]-[T])/[T]

The adjustment to planned maintenance modeling for the indicative Resource Class-level UCAP results does not impact PRMR, since the total MW of planned maintenance remains the same and is only allocated across resource classes. PRMR results reflect Even Loss dispatch for storage.



Local Reliability Requirement (LRR) Results

Indicative LRR results under the DLOL methodology are:

Local Resource Zone (LRZ)	LRZ-1 MN/ND	LRZ-2 WI	LRZ-3 IA	LRZ-4 IL	LRZ-5 MO	LRZ-6 IN	LRZ-7 MI	LRZ-8 AR	LRZ-9 LA/TX	LRZ-10 MS
PY 2025-2026 Indicative DLOL Local Reliability Requirements										
Summer	107.1%	105.2%	109.7%	126.9%	134.7%	118.6%	106.8%	135.9%	107.5%	143.8%
Fall	110.3%	109.9%	130.0%	121.1%	137.1%	121.5%	112.9%	138.1%	118.8%	153.2%
Winter	116.3%	117.6%	142.0%	128.5%	133.3%	113.7%	117.3%	141.7%	110.4%	151.6%
Spring	85.1%	84.0%	90.0%	111.8%	153.9%	107.3%	81.1%	90.2%	91.9%	118.5%