

ELDRIDGE ELECTRIC AND WATER UTILITY BOARD

June 6, 2023
5:00 pm
City Hall, 305 N. 3rd Street

1. Call to order
2. Public Comment
3. Approval of Agenda
4. **Approval of Minutes –May 16, 2023**

5. Financial
 - A. **Consideration to Approve Bills Payable**

6. Electric Department – Mike Anderson
 - A. PCA Update
 - B. **PRA Auction**
 - C. **Consideration of Approving Resolution 2023-04 E&W Wage Increase**
 - D. **Outages**
 - E. Department update

7. Water Department – Brock Kroeger
 - A. **Water test results**
 - B. Department Update

8. Administrative –
 - A. Department Update

9. Adjournment

NEXT REGULAR MEETING Tuesday, June 20, 2023 at 5:00pm

The regular meeting of the Eldridge Electric and Water Utility Board was called to order at 5:00 P.M. on May 16, 2023, at Eldridge City Hall.

Board members present were Brock Kroeger, Mike Anderson, Paula Steward, Barb O'Brien and Jim Skadal. Also, present Jake Rowe and Jody Coffman. No visitors.

Public Comment- None

Motion by Anderson, second by Skadal to approve the agenda All ayes.

Motion by O'Brien, second by Steward to approve the minutes from May 2, 2023. All ayes.

FINANCIAL – Motion by Kroeger to approve bills payable in the amount of \$158,653.79, second by Steward. All ayes.

ELECTRIC – Rowe gave an update on the PCA.

The Board discussed increasing Electric rates and decided to nothing at this time but keep an eye on it quarterly.

The Board considered Resolution 2023-04 E&W Wage Increase. Kroeger asked for the resolution to be rewritten for only one year instead of two years and bring it back to the next meeting.

There were two outages. The first one was on 5-7-23 the entire system went down from 6:28 pm to 7:17 pm. The cause was MEC and affected 2824 customers. The Second was 5-10-23 at 315 W Oak St from 12:15 pm to 12:50 pm. The cause was a dig in and affected 25 customers.

Department update: The crew is working on URD Maintenance. A streetlight pole was hit at LeClaire and 6th Ave on May 9th. Border States tested all of our poly-phase metering. Rowe updated the Board on the transformer supply chain issues they are experiencing.

WATER- Water testing was done on April 11 & 12 at 8 locations. All passed.

Department update: The crew installed a sampling station at Blackhawk and S 16th Ave. They also started one on E LeClaire Rd. ISG toured the water plant on May 11th. Grunwald Grove 2nd addition water main was completed and passed all water tests.

ADMINISTRATION-

Department update: The WTO job position was posted on the City's Facebook page. Interviews have been scheduled for May 19th.

Motion by Steward to adjourn the meeting at 5:45 P.M., second by O'Brien. All ayes.

Jody Coffman
Billing Clerk

Utility Bills Payable for June 6, 2023

AUXIANT	7,158.89
TOTAL CHECKS	35,041.25
MidAmerican Wire Transfer- WS4 -	67,000.00
Louisa energy charge -	65,000.00
CMMPA	
Credit Cards	
PAYROLL MAY 27, 2023	\$30,469.52
TOTAL	204,669.66

VENDOR SET: 01 City of Eldridge
 BANK: 00 FIRST CENTRAL UTILITY
 DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
002154	VERBRAAK WELDING							
I-5329	CUTOUT OLD PIPE AND REPLACE	V	5/11/2023			225278		1,486.40
002154	VERBRAAK WELDING							
M-CHECK	VERBRAAK WELDING	VOIDED V	5/11/2023			225278		1,486.40CR
000231	COMMUNITY ACTION OF EASTERN IO							
I-202305163559	PROJECT SHARE	R	5/16/2023			225279		
630 5-820-64131	PROJECT SHARE REMITTANCE	PROJECT SHARE		64.00				64.00
000890	DELTA DENTAL							
I-300002000001202306	BENEFITS	V	5/16/2023			225280		
I-30000200002202306	BENEFITS	V	5/16/2023			225280		2,134.94
000890	DELTA DENTAL							
M-CHECK	DELTA DENTAL	VOIDED V	5/16/2023			225280		2,134.94CR
002227	UNUM LIFE INSURANCE COMPANY OF							
I-202305163561	BENEFITS	R	5/16/2023			225281		
600 5-810-6150	GROUP INSURANCE	LIFE INSURANCE		66.31				
630 5-820-6150	GROUP INSURANCE	LIFE INSURANCE		194.15				260.46
000033	WELLMARK BLUE CROSS							
I-231310000318U	BENEFITS	R	5/16/2023			225282		
600 5-810-6150	GROUP INSURANCE	PREMIUMS		1,144.79				
630 5-820-6150	GROUP INSURANCE	PREMIUMS		5,041.32				6,186.11
000890	DELTA DENTAL							
I-300020000002202306	BENEFITS	R	5/16/2023			225283		
600 5-810-6150	GROUP INSURANCE	DELTA DENTAL		172.61				
630 5-820-6150	GROUP INSURANCE	DELTA DENTAL		254.65				427.26
000459	U.S. POST OFFICE							
I-202305313581	POSTAGE	R	5/31/2023			225284		
630 5-820-6508	POSTAGE	POSTAGE		921.17				921.17
1	MORROW, RAYVEN							
I-000202305313583	US REFUND	R	5/31/2023			225285		
630 2033	DEPOSIT REFUNDS PAYABLE	04-0970-18		19.19				19.19
1	WAGNER, HOLLY							
I-000202305313582	US REFUND	R	5/31/2023			225286		
630 2033	DEPOSIT REFUNDS PAYABLE	02-2700-11		16.62				16.62

VENDOR SET: 01 City of Eldridge
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 DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
002031	ACCESS SYSTEMS LEASING							
I-34086848U	SHOP COPIER LEASE	R	6/01/2023			225287		
630 5-820-6310	B & G MATERIAL		SHOP COPIER LEASE	92.61				92.61
000047	CENTRAL SCOTT TELEPHONE							
I-202305313595	WIFI, TELEPHONE	R	6/01/2023			225288		
600 5-810-6373	TELEPHONE & INTERNET		WIFI, TELEPHONE	277.22				
630 5-820-6373	TELEPHONE & INTERNET		WIFI, TELEPHONE	493.00				770.22
000131	CINTAS CORPORATION							
I-4155856384U	MATS	R	6/01/2023			225289		
630 5-820-6310	B & G MATERIAL		MATS	45.49				
I-4155856417U	MATS	R	6/01/2023			225289		
630 5-820-6310	B & G MATERIAL		MATS	42.68				88.17
002470	CINTAS FIRST AID & SAFETY D89							
I-5158530153U	FIRT AID	R	6/01/2023			225290		
630 5-820-6310	B & G MATERIAL		FIRT AID	60.82				60.82
002442	COBRA HELP							
I-285875U	ACTIVE INSURED EMPLOYEEES	R	6/01/2023			225291		
821 5-630-6184	UTILITY INSURANCE REIMBURSEMENT		ACTIVE INSURED EMPLOYEEES	5.60				5.60
000120	ELECTRICAL ENGINEERING & EQUIP							
I-7538789-00	WELL 4 GENERATOR	R	6/01/2023			225292		
600 5-810-6332	VEHICLE MAINTENANCE		WELL 4 GENERATOR	49.85				49.85
000125	FLETCHER-REINHARDT CO.							
I-S1286198.003	RECLOSER BATTERY	R	6/01/2023			225293		
630 5-820-6507	OPERATING SUPPLIES & MATERIALS		RECLOSER BATTERY	310.30				
I-S1299835.001	MASKING PAINT	R	6/01/2023			225293		
630 5-820-6560	INTO INVENTORY		MASKING PAINT	227.91				538.21
003226	HAWKINS INC.							
I-6463298	CHLORINE	R	6/01/2023			225294		
600 5-810-6501	TREATMENT MATERIALS		CHLORINE	1,572.57				
I-6471473	CHLORINE	R	6/01/2023			225294		
600 5-810-6451	WATER TESTING		CHLORINE	60.00				1,632.57
000228	IOWA ONE CALL							
I-250541	LOCATES	R	6/01/2023			225295		
630 5-820-6450	OTHER CONTRACTED SERVICES		LOCATES	201.90				201.90

VENDOR SET: 01 City of Eldridge
BANK: 00 FIRST CENTRAL UTILITY
DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
000429	J & R SUPPLY INC							
I-2305472-IN	VENT SEAL, LEAD GASKET	R	6/01/2023			225296		
600 5-810-6311	WATER PLANT MAINTENANCE			54.40				54.40
000168	JANDA MOTOR SERVICES							
I-2177878	MOTOR AND PUMP CAT	R	6/01/2023			225297		
600 5-810-6752	MINOR PROJECTS			2,925.00				2,925.00
001493	JOHNSON CONTROLS SECURITY SOLU							
I-38814132	QUARTERLY BILLING	R	6/01/2023			225298		
600 5-810-6213	DUES AND LICENSES			451.32				451.32
001865	JP GASWAY							
I-1022299-000U	TOILET PAPER & PAPER TOWELS	R	6/01/2023			225299		
630 5-820-6310	B & G MATERIAL			191.10				191.10
001670	KINGS MATERIAL INC							
I-KMI8057009	CONCRETE BLOCK	R	6/01/2023			225300		
630 5-820-6507	OPERATING SUPPLIES & MATERIALS			26.16				26.16
000777	MENARDS							
I-9027	SPRAY PAINT	R	6/01/2023			225301		
630 5-820-6310	B & G MATERIAL			23.97				23.97
002608	MERSCHMAN HARDWARE							
I-49095	FILTER AIR PLEAT	R	6/01/2023			225302		
600 5-810-6310	B & G MATERIAL			16.77				
I-49282	CHIP BRUSH, SCREW	R	6/01/2023			225302		
600 5-810-6310	B & G MATERIAL			55.91				
I-49395	TUBE SAND	R	6/01/2023			225302		
600 5-810-6310	B & G MATERIAL			46.32				
I-49397	GAS CAN	R	6/01/2023			225302		
600 5-810-6765	MINOR PROJECTS			17.99				
I-49439	PIPE THREAD PASTE	R	6/01/2023			225302		
600 5-810-63711	OPERATING SUPPLIES & MATERIAL			8.99				
I-49464	MISC FASTENERS	R	6/01/2023			225302		
630 5-820-6507	OPERATING SUPPLIES & MATERIALS			4.58				150.56
001512	MIDAMERICAN ENERGY COMPANY							
I-539427273	UTILITES	R	6/01/2023			225303		
600 5-810-6371	UTILITIES			13.33				
600 5-810-6371	UTILITIES			16.11				
600 5-810-6371	UTILITIES			37.02				
630 5-820-6371	UTILITIES			78.85				
600 5-810-6371	UTILITIES			154.84				
600 5-810-6371	UTILITIES			20.29				320.44

VENDOR SET: 01 City of Eldridge
BANK: 00 FIRST CENTRAL UTILITY
DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
002730	NERC I-29803 630 5-820-6416	R	6/01/2023	643.22		225304		643.22
003828	QC ANALYTICAL SERVICES LLC I-2305252 600 5-810-6451	R	6/01/2023	168.00		225305		168.00
000356	QC METALLURGICAL LAB I-B2826 600 5-810-6451 I-B3599 600 5-810-6451	R	6/01/2023	75.00		225306		150.00
002272	QUAD CITIES WINWATER CO I-033392 01 600 5-810-63711 I-033403 01 600 5-810-63711 I-033425 01 600 5-810-63711 I-03385 01 600 5-810-63711	R	6/01/2023	110.37		225307		432.38
000418	SKARSHAUG TESTING LAB I-268636 630 5-820-6457	R	6/01/2023	88.06		225308		88.06
002792	SUNBELT SOLOMON SERVICES, LLC I-373041 630 5-820-6450	R	6/01/2023	2,004.11		225309		2,004.11
003900	TYLER TECHNOLOGIES I-025-417566 2 630 5-820-6319	R	6/01/2023	253.75		225310		253.75
003120	USA BLUE BOOK I-INV00010011 600 5-810-6451	R	6/01/2023	736.20		225311		736.20
000691	VERIZON WIRELESS I-9934521213U 630 5-820-6373 600 5-810-6373	R	6/01/2023	108.25		225312		229.52

VENDOR SET: 01 City of Eldridge
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DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
1	MARIN, DAVID							
I-000202306023620	US REFUND	R	6/02/2023			225313		
630 2033	DEPOSIT REFUNDS PAYABLE	05-5440-06		8.30				8.30
000571	VALLEY CONSTRUCTION CO.							
I-202306023622	1ST AND LECLAIRE	R	6/02/2023			225314		
604 5-810-6780	CAPITAL - SYSTEM	1ST AND LECLAIRE		14,850.00				14,850.00

* * T O T A L S * *	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	35	38,662.59	0.00	35,041.25
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	2	VOID DEBITS 0.00		
		VOID CREDITS 3,621.34CR		
		3,621.34CR	0.00	

TOTAL ERRORS: 0

** G/L ACCOUNT TOTALS **

G/L ACCOUNT	NAME	AMOUNT
600 5-810-6150	GROUP INSURANCE	1,383.71
600 5-810-6213	DUES AND LICENSES	451.32
600 5-810-6310	B & G MATERIAL	119.00
600 5-810-6311	WATER PLANT MAINTENANCE	54.40
600 5-810-6332	VEHICLE MAINTENANCE	49.85
600 5-810-6371	UTILITIES	241.59
600 5-810-63711	OPERATING SUPPLIES & MATERIAL	441.37
600 5-810-6373	TELEPHONE & INTERNET	385.47
600 5-810-6451	WATER TESTING	1,114.20
600 5-810-6501	TREATMENT MATERIALS	1,572.57
600 5-810-6752	MINOR PROJECTS	2,925.00
600 5-810-6765	MINOR PROJECTS	17.99
	*** FUND TOTAL ***	8,756.47
604 5-810-6780	CAPITAL - SYSTEM	14,850.00
	*** FUND TOTAL ***	14,850.00
630 2033	DEPOSIT REFUNDS PAYABLE	44.11
630 5-820-6150	GROUP INSURANCE	5,490.12
630 5-820-6310	B & G MATERIAL	456.67
630 5-820-6319	COMPUTER MAINTENANCE	253.75

VENDOR SET: 01 City of Eldridge
BANK: 00 FIRST CENTRAL UTILITY
DATE RANGE: 0/00/0000 THRU 99/99/9999

** G/L ACCOUNT TOTALS **

G/L ACCOUNT	NAME	AMOUNT
630 5-820-6371	UTILITIES	78.85
630 5-820-6373	TELEPHONE & INTERNET	614.27
630 5-820-64131	PROJECT SHARE REMITTANCE	64.00
630 5-820-6416	DUES AND ASSESSMENTS	643.22
630 5-820-6450	OTHER CONTRACTED SERVICES	2,206.01
630 5-820-6457	SAFETY TESTING	88.06
630 5-820-6507	OPERATING SUPPLIES & MATERIALS	341.04
630 5-820-6508	POSTAGE	921.17
630 5-820-6560	INTO INVENTORY	227.91
	*** FUND TOTAL ***	11,429.18
821 5-630-6184	UTILITY INSURANCE REIMBURSEMEN	5.60
	*** FUND TOTAL ***	5.60

VENDOR SET: 01	BANK: 00	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			37	35,041.25	0.00	35,041.25
BANK: 00		TOTALS:	37	35,041.25	0.00	35,041.25
REPORT TOTALS:			37	35,041.25	0.00	35,041.25

VENDOR SET: 01 City of Eldridge
BANK: * ALL BANKS
DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
002154	VERBRAAK WELDING							
C-CHECK	VERBRAAK WELDING	VOIDED	V 5/11/2023			225278		1,486.40CR
000890	DELTA DENTAL							
C-CHECK	DELTA DENTAL	VOIDED	V 5/16/2023			225280		2,134.94CR

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	0	0.00	0.00	0.00
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00

VOID CHECKS:	2 VOID DEBITS	0.00		
	VOID CREDITS	3,621.34CR	3,621.34CR	0.00

TOTAL ERRORS: 0

VENDOR SET: 01 BANK:	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
		2	3,621.34CR	0.00	0.00
BANK:	TOTALS:	2	3,621.34CR	0.00	0.00



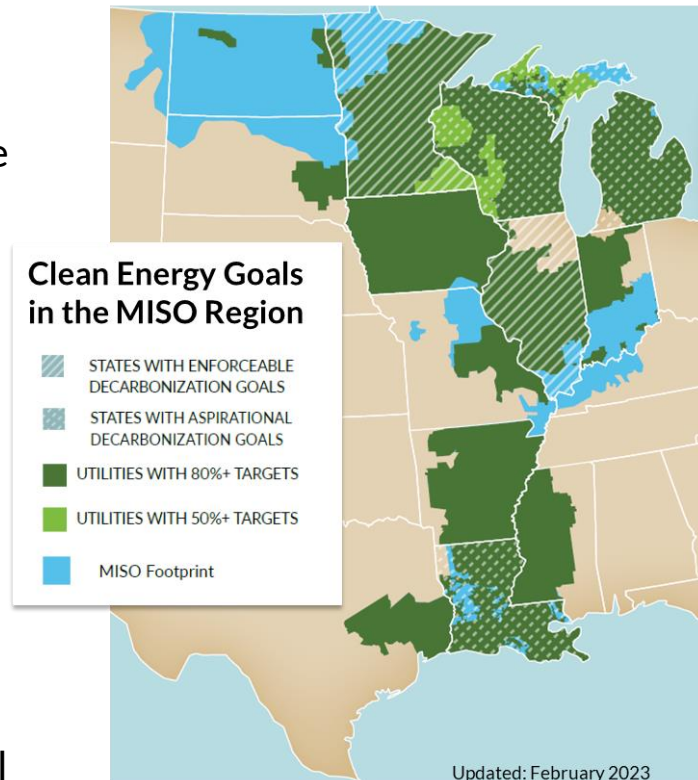
Planning Resource Auction

Results for Planning Year 2023-24

May 19, 2023

Seasonal resource adequacy construct sets the stage for several other key initiatives necessary to ensure a sustainable response to the Reliability Imperative

- The changing resource fleet driven by aggressive member decarbonization strategies continues to dramatically shift the reliability risk profile in our region.
- Coordinated reform of Resource Adequacy, Market Design and Transmission evolution is necessary to ensure continued reliability.
- Implementation of the seasonal construct is one step in the overall work needed to meet the Reliability Imperative.



21 utilities have energy goals greater than 80%

3 states have 100% clean energy goals

2 states with 100% clean energy law

Market response to high prices from the 2022 auction helps mitigate Resource Adequacy risk for Planning Year 2023-24

- MISO's seasonal PRA improves reliability planning by identifying requirements, resource accreditation and risks for individual seasons.
- MISO is projected to have adequate capacity to meet resource adequacy requirements for PY 2023-24 at the regional, sub-regional & zonal levels.
 - Auction Clearing Prices are flat across the region:
Summer: \$10, Fall: \$15, Winter: \$2, Spring: \$10/MW-day
 - Exception: Zone 9 (LA/TX) with \$59 in Fall and \$19 in Winter (required higher priced supply within the zone to meet its Local Clearing Requirement).
- Actions taken by Market Participants such as delaying retirements and making additional existing capacity available to the region, resulted in adequate capacity.
- Many of these actions may not be repeatable and the residual capacity and resulting prices do not reflect the risks posed by the portfolio transition.
- MISO's response to the Reliability Imperative reinforces need for urgent reforms to MISO's resource adequacy construct and market design.

2023 PRA demonstrated sufficient capacity at regional, sub-regional and zonal level to meet PRMRs and LCRs

2023 PRA Results

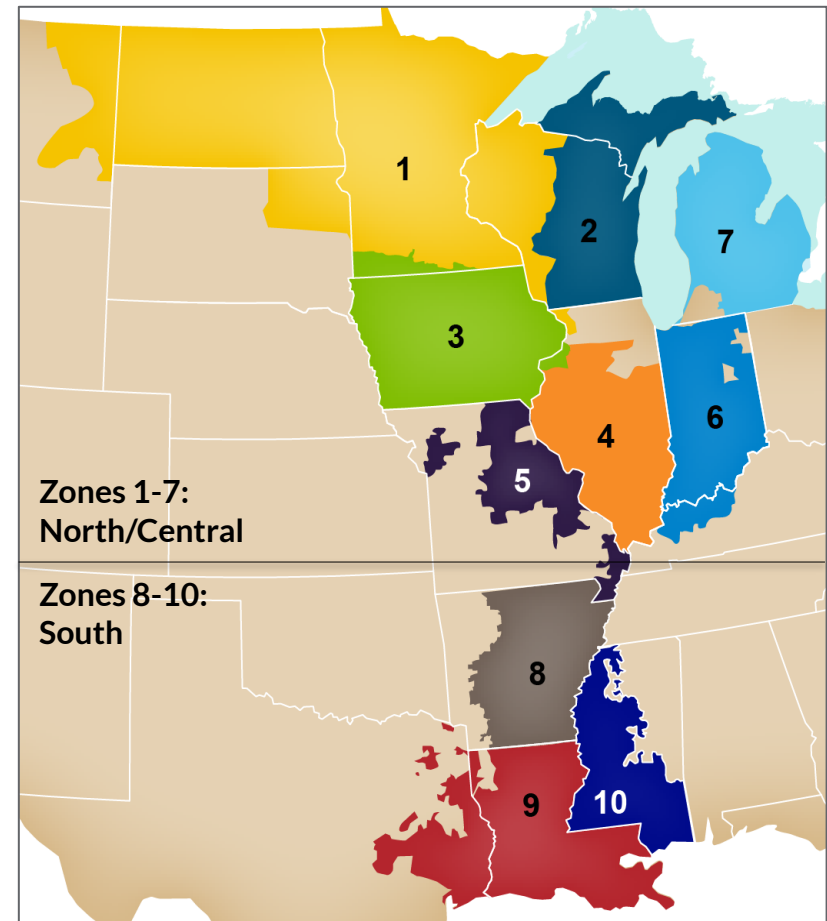
Zone	Local Balancing Authorities	Price \$/MW-Day			
		Summer	Fall	Winter	Spring
1	DPC, GRE, MDU, MP, NSP, OTP, SMP	\$10.00	\$15.00	\$2.00	\$10.00
2	ALTE, MGE, UPPC, WEC, WPS, MIUP	\$10.00	\$15.00	\$2.00	\$10.00
3	ALTW, MEC, MPW	\$10.00	\$15.00	\$2.00	\$10.00
4	AMIL, CWLP, SIPC, GLH	\$10.00	\$15.00	\$2.00	\$10.00
5	AMMO, CWLD	\$10.00	\$15.00	\$2.00	\$10.00
6	BREC, CIN, HE, IPL, NIPS, SIGE	\$10.00	\$15.00	\$2.00	\$10.00
7	CONS, DECO	\$10.00	\$15.00	\$2.00	\$10.00
8	EAI	\$10.00	\$15.00	\$2.00	\$10.00
9	CLEC, EES, LAFA, LAGN, LEPA	\$10.00	\$59.21	\$18.88	\$10.00
10	EMBA, SME	\$10.00	\$15.00	\$2.00	\$10.00
ERZ	KCPL, OPPD, WAUE (SPP), PJM, OVEC, LGEE, AECI, SPA, TVA	\$10.00	\$15.00	\$2.00	\$10.00

PRMR: Planning Reserve Margin Requirement

LCR: Local Clearing Requirements

ERZ: External Resource Zone

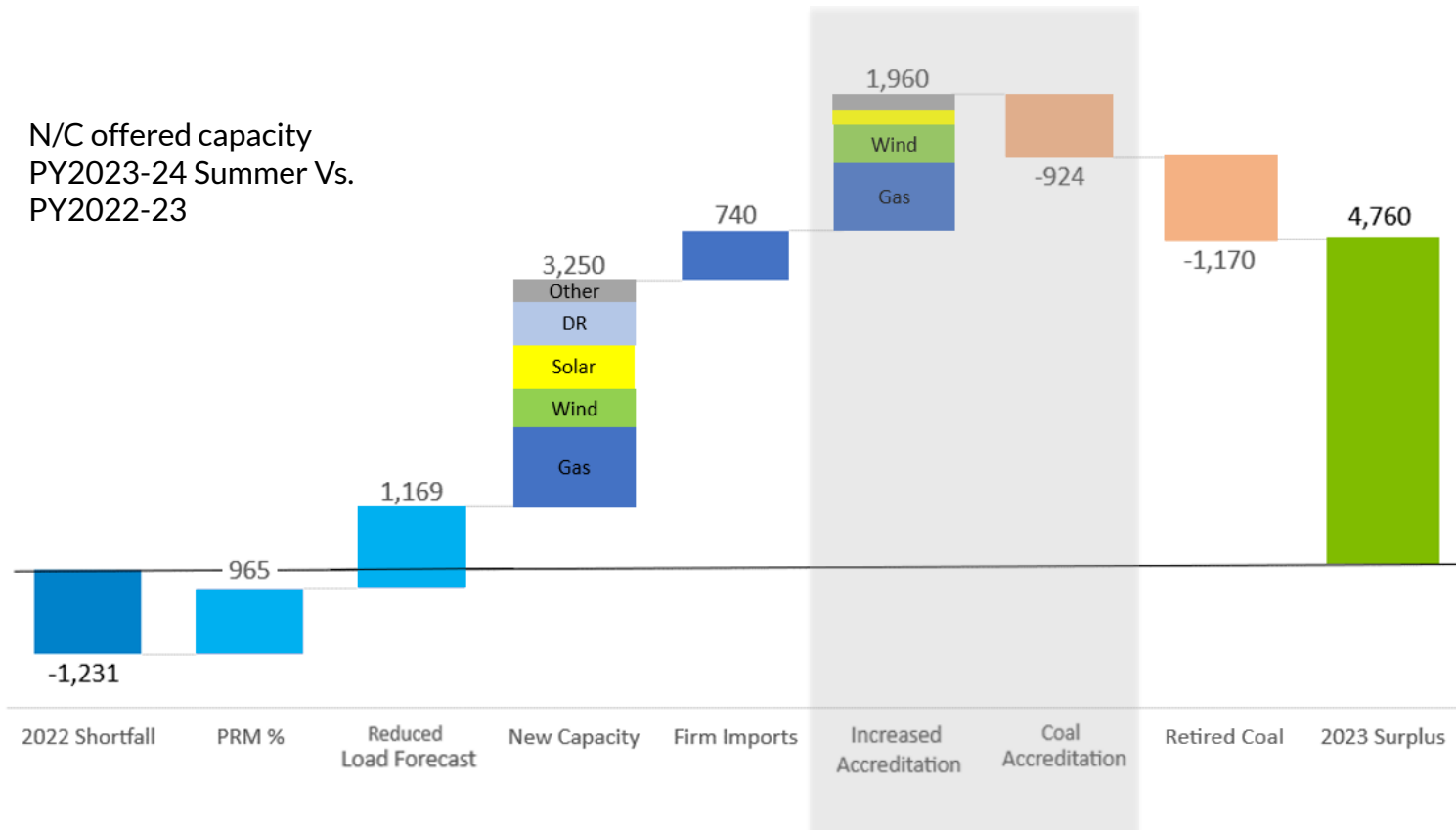
MISO Resource Adequacy Zones



4 Highlighted prices show price separation for the zone/season.

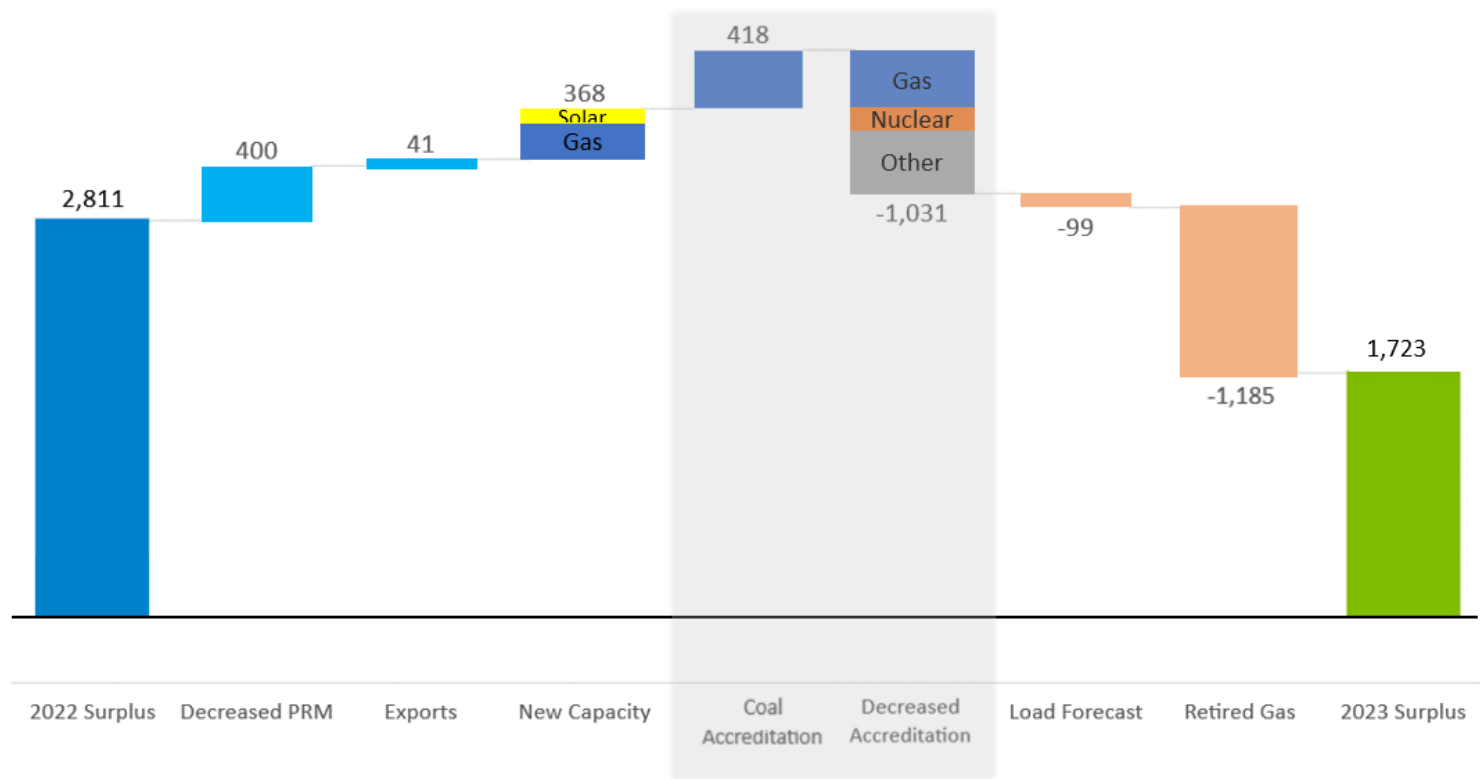
North/Central region demonstrated adequate supply driven by a combination of lower demand, new generation, delayed retirements, additional imports and higher accreditation

Capacity offered in N/C exceeds requirements by 4,760 MW (4.7%)



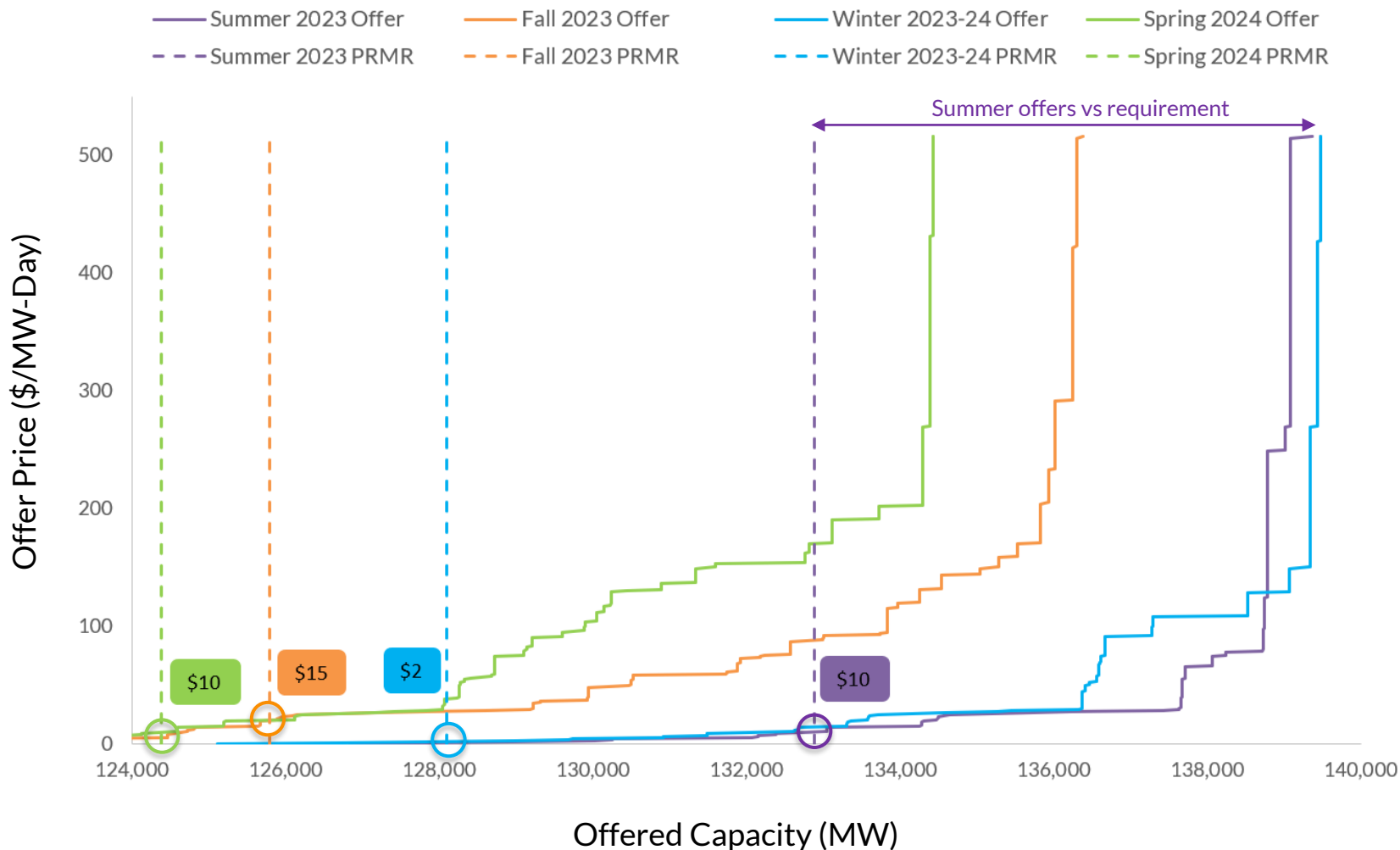
South region continues to remain adequate in PY 2023-24 however offered capacity shows decline driven largely by retirements.

Capacity offered in South exceeds requirements by 1,723 MW (5.1%)



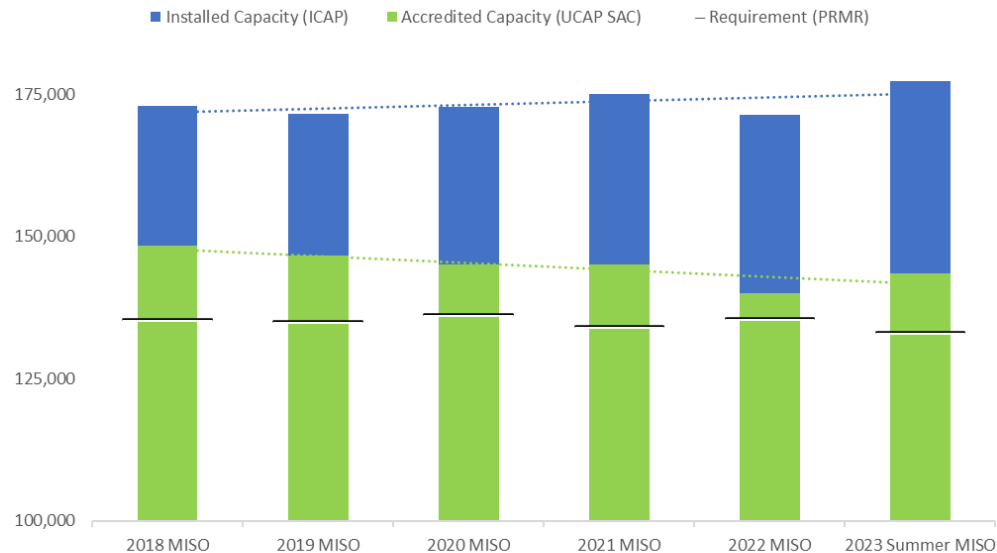
South offered capacity PY2023-24 Summer Vs. PY2022-23

Adequate supply resulted in flat auction clearing prices across the footprint for all seasons, with the exception of Zone 9



Adequate supply this summer and the resulting prices do not reflect the continued risks posed by the portfolio transition

- Impacts of the seasonal construct such as reduced summer PRM and seasonal accounting of retirements contributed to the surplus capacity.
- Reduced load forecasts and actions taken by members such as delayed retirements and increased imports may not be repeatable.
- Historic trends and projections based on member-announced plans* show a continued decline in accredited capacity even as installed capacity increases.



Urgent reforms to MISO's resource adequacy and market design are necessary to ensure continued reliability.

MISO's workplan includes the work needed to evolve our plans and processes to meet the Reliability Imperative

Issue	Challenges	Mitigation
Fleet Change	Declining accredited capacity, declining reserve margins, and changing risk profile	<ul style="list-style-type: none"> • Continue developing attributes criteria and improved accreditation for resources
Reliability Planning	Reliability is not a yes/no criteria, it's a continuum that considers numerous factors and range or risk tolerance	<ul style="list-style-type: none"> • Update loss-of-load assessments • Develop Reliability Based Demand Curve • Ensure alignment of market and reliability procedures during extreme events
Forecasting	Load and intermittent generation forecasting needs to be more accurate	<ul style="list-style-type: none"> • Improve forecasting data and methods, including uncertainty forecasting. • Enhance control room automation
Intraregional and Interregional Support	<p>Increased reliance on geographic scope</p> <p>Increased reliance on gas industry performance during critical events</p>	<ul style="list-style-type: none"> • Continue developing transmission (JTIQ and LRTP Tranche 2) • Improved agreements with neighbors for emergency scenarios • Improve gas/electric coordination

Next Steps

- **May 19** – Conference call presentation of PRA results
- **May 23**
 - Zonal Deliverability Benefits presented at the May RASC
 - MISO publishes cleared LMRs to Operations tools
- **June 1** – New Planning Year starts
- **June 19** – Posting of PRA masked offer data per Module E 69.A.7.4



<https://help.misoenergy.org/support/>

Appendix

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- Acronyms
- PRA Results by Zone - Summer 2023, Fall 2023, Winter 2023/24, Spring 2024
- Supply Offered and Cleared Comparison Trend
- 2023-2024 Seasonal Supply Offered and Cleared
- Historical Auction Clearing Price Comparison
- 2023-2024 Seasonal Auction Clearing Price Comparison
- 2023-2024 Seasonal Capacity - Cleared, Offered and Confirmed
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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

DR: Demand Resource

EE: Energy Efficiency

ER: External Resource

ERZ: External Resource Zones

FRAP: Fixed Resource Adequacy Plan

ICAP: Installed Capacity

IMM: Independent Market Monitor

LCR: Local Clearing Requirement

LMR: Load Modifying Resource

LRZ: Local Resource Zone

LSE: Load Serving Entity

PRA: Planning Resource Auction

PRM: Planning Reserve Margin

PRMR: Planning Reserve Margin Requirement

RASC: Resource Adequacy Sub-Committee

SAC: Seasonal Accredited Capacity

SS: Self Schedule

SFT: Simultaneous Feasibility Test

UCAP: Unforced Capacity

ZIA: Zonal Import Ability

ZRC: Zonal Resource Credit

Summer 2023 PRA Results by Zone

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	ERZ	System
PRMR	18,234.4	13,371.2	10,491.9	9,559.5	8,115.3	18,107.7	21,232.8	7,915.8	21,234.3	4,628.3	N/A	132,891.2
Offer Submitted (Including FRAP)	21,293.8	14,191.9	11,323.8	8,482.5	7,392.0	15,473.9	21,730.0	11,083.2	21,198.7	4,755.5	2,448.6	139,373.9
FRAP	14,042.9	11,237.4	4,245.7	537.4	0.0	949.7	1,457.5	535.2	166.2	1,315.6	309.1	34,796.7
Self Scheduled (SS)	5,302.9	2,431.7	6,557.7	5,673.2	7,372.0	9,940.7	19,918.7	9,777.1	19,359.6	3,071.6	1,569.6	90,974.8
Non-SS Offer Cleared	168.9	443.5	517.4	1,312.0	20.0	3,423.1	4.4	449.4	331.5	321.7	127.8	7,119.7
Committed (Offer Cleared + FRAP)	19,514.7	14,112.6	11,320.8	7,522.6	7,392.0	14,313.5	21,380.6	10,761.7	19,857.3	4,708.9	2,006.5	132,891.2
LCR	15,076.1	10,552.0	6,806.3	2,935.0	6,529.5	11,567.6	18,785.5	7,134.5	18,931.4	3,690.0	-	N/A
CIL	5,301	3,477	6,108	7,884	3,576	8,492	5,087	4,139	5,268	3,064	-	N/A
ZIA	5,299	3,477	6,043	6,992	3,576	8,092	5,087	4,091	4,456	3,064	-	N/A
Import	0.0	0.0	0.0	2,036.9	723.3	3,794.2	0.0	0.0	1,377.0	0.0	-	7,931.4
CEL	3,959	2,550	4,310	NLF*	NLF*	2,703	3,953	5,503	1,574	1,794	-	N/A
Export	1,280.3	741.4	828.9	0.0	0.0	0.0	147.8	2,845.9	0.0	80.6	2,006.5	7,931.4
ACP (\$/MW-Day)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	N/A

Values displayed in MW UCAP *NLF = No Limit Found: Tier 1 & 2 source capacity is less than the study transfer limit

Fall 2023 PRA Results by Zone

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	ERZ	System
PRMR	16,789.4	12,181.8	9,979.6	8,811.7	7,645.6	17,237.2	19,760.9	7,580.1	21,082.1	4,727.0	N/A	125,795.4
Offer Submitted (Including FRAP)	20,783.4	14,173.2	11,628.6	8,303.0	6,793.8	15,298.0	20,849.7	10,546.1	20,848.3	5,087.3	2,070.8	136,382.2
FRAP	12,864.0	10,064.9	3,936.7	428.5	0.0	926.5	1,410.5	469.8	164.4	1,354.3	169.8	31,789.4
Self Scheduled (SS)	4,950.8	2,858.9	6,104.5	5,850.8	6,740.3	9,203.7	18,745.0	8,815.1	17,527.4	3,307.5	1,528.5	85,632.5
Non-SS Offer Cleared	691.0	580.0	689.7	1,211.5	0.0	3,160.7	4.5	157.9	1,250.9	370.6	256.7	8,373.5
Committed (Offer Cleared + FRAP)	18,505.8	13,503.8	10,730.9	7,490.8	6,740.3	13,290.9	20,160.0	9,442.8	18,942.7	5,032.4	1,955.0	125,795.4
LCR	13,064.2	8,764.3	0.0	4,552.3	4,358.7	13,290.9	20,059.0	5,608.2	18,942.7	4,307.8	-	N/A
CIL	6,528	4,411	14,375	5,173	5,380	6,070	4,285	4,705	6,045	2,425	-	N/A
ZIA	6,526	4,411	14,310	4,281	5,380	5,670	4,285	4,657	5,233	2,425	-	N/A
Import	0.0	0.0	0.0	1,320.9	905.3	3,946.3	0.0	0.0	2,139.4	0.0	-	8,311.9
CEL	3,804	3,577	4,354	NLF*	1,992	1,701	3,990	5,080	1,526	2,878	-	N/A
Export	1,716.4	1,322.0	751.3	0.0	0.0	0.0	399.1	1,862.7	0.0	305.4	1,955.0	8,311.9
ACP (\$/MW-Day)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	59.21	15.00	15.00	N/A

Winter2023/24 PRA Results by Zone

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	ERZ	System
PRMR	18,245.5	11,708.9	10,215.4	9,093.9	8,231.1	18,290.9	16,927.7	8,518.6	22,110.4	4,761.8	N/A	128,104.2
Offer Submitted (Including FRAP)	22,178.0	13,934.4	13,349.6	7,738.9	6,906.5	14,999.3	21,569.9	10,042.5	21,215.3	5,058.7	2,489.4	139,482.5
FRAP	13,361.7	9,638.1	4,464.0	459.1	0.0	854.0	1,316.7	396.9	149.3	1,788.9	299.5	32,728.2
Self Scheduled (SS)	7,639.4	2,649.7	6,626.9	6,286.2	6,906.5	10,182.7	19,356.0	9,642.9	17,283.8	3,145.6	1,817.7	91,537.4
Non-SS Offer Cleared	64.7	1,024.6	379.3	645.2	0.0	710.3	4.3	0.0	965.0	29.1	16.1	3,838.6
Committed (Offer Cleared + FRAP)	21,065.8	13,312.4	11,470.2	7,390.5	6,906.5	11,747.0	20,677.0	10,039.8	18,398.1	4,963.6	2,133.3	128,104.2
LCR	15,797.1	8,596.5	3,628.8	6,009.0	6,022.8	10,854.4	15,693.1	5,691.3	18,398.1	4,519.4	-	N/A
CIL	4,937	4,905	11,039	3,928	3,811	8,818	6,340	4,729	6,080	2,396	-	N/A
ZIA	4,935	4,905	10,974	3,036	3,811	8,418	6,340	4,681	5,268	2,396	-	N/A
Import	0.0	0.0	0.0	1,703.4	1,324.6	6,543.9	0.0	0.0	3,712.3	0.0	-	13,284.2
CEL	3,501	4,198	7,002	NLF*	6,348	1,242	4,350	5,351	877	1,980	-	N/A
Export	2,820.3	1,603.5	1,254.8	0.0	0.0	0.0	3,749.3	1,521.2	0.0	201.8	2,133.3	13,284.2
ACP (\$/MW-Day)	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	18.66	2.00	2.00	N/A

Spring 2024 PRA Results by Zone

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	ERZ	System
PRMR	17,304.2	12,009.8	9,590.0	8,033.5	7,392.2	17,552.4	19,038.9	7,678.5	21,272.9	4,516.7	N/A	124,389.1
Offer Submitted (Including FRAP)	19,822.1	14,216.1	11,399.5	8,082.2	7,180.0	14,991.5	19,772.5	10,728.6	20,962.5	4,931.4	2,351.8	134,438.2
FRAP	12,916.5	10,051.5	3,934.4	411.2	0.0	892.0	1,320.2	362.7	151.0	1,388.7	307.4	31,735.6
Self Scheduled (SS)	5,624.3	2,842.2	6,037.4	5,762.5	6,014.5	9,298.6	17,395.3	9,377.4	18,162.1	3,125.0	1,540.1	85,179.4
Non-SS Offer Cleared	54.9	1,031.4	888.5	1,325.8	0.0	2,742.4	104.0	413.7	714.9	79.2	119.3	7,474.1
Committed (Offer Cleared + FRAP)	18,595.7	13,925.1	10,860.3	7,499.5	6,014.5	12,933.0	18,819.5	10,153.8	19,028.0	4,592.9	1,966.8	124,389.1
LCR	13,171.6	8,039.5	5,175.3	3,539.5	5,829.2	10,978.3	15,654.3	5,907.1	18,105.2	4,303.5	-	N/A
CIL	6,185	4,454	7,675	5,906	3,881	8,162	5,559	4,606	6,250	2,144	-	N/A
ZIA	6,183	4,454	7,610	5,014	3,881	7,762	5,559	4,558	5,438	2,144	-	N/A
Import	0.0	0.0	0.0	534.0	1,377.7	4,619.4	219.4	0.0	2,244.9	0.0	-	8,995.4
CEL	4,321	3,679	6,173	NLF*	3,724	2,344	4,413	5,472	2,240	2,720	-	N/A
Export	1,291.5	1,915.3	1,270.3	0.0	0.0	0.0	0.0	2,475.3	0.0	76.2	1,966.8	8,995.4
ACP (\$/MW-Day)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	N/A

Supply Offered and Cleared Comparison Trend

Planning Resource	Offered (ZRC)			Cleared (ZRC)		
	2021-22	2022-23	Summer 23-24	2021-22	2022-23	Summer 23-24
Generation	125,225	121,506.5	122,375.6	118,884	118,745.0	116,989.7
External Resources	3,914	3,638.9	4,514.6	3,798	3,638.9	4,072.5
Behind the Meter Generation	4,131	4,169.3	4,175.2	4,068	4,169.3	4,129.4
Demand Resources	7,294	7,591.4	8,303.5	7,152	7,541.5	7,694.6
Energy Efficiency	0.0	0.0	5.0	0.0	0.0	5.0
Total	140,564	136,906.1	139,373.9	133,903	134,094.7	132,891.2

2023-2024 Seasonal Supply Offered and Cleared

	Offered (ZRC)				Cleared (ZRC)			
Planning Resource	Summer 2023	Fall 2023	Winter 2023-2024	Spring 2024	Summer 2023	Fall 2023	Winter 2023-2024	Spring 2024
Generation	122,375.6	121,403.5	122,375.6	121,403.5	116,989.7	111,713.8	116,989.7	110,195.8
External Resources	4,514.6	4,095.4	4,514.6	4,095.4	4,072.5	3,979.6	4,072.5	3,409.1
Behind the Meter Generation	4,175.2	3,874.2	4,175.2	3,874.2	4,129.4	3,842.8	4,129.4	4,058.9
Demand Resources	8,303.5	7,004.2	8,303.5	7,004.2	7,694.6	6,254.4	7,694.6	6,720.0
Energy Efficiency	5.0	4.9	5.0	4.9	5.0	4.8	5.0	5.3
Total	139,373.9	136,382.2	139,373.9	136,382.2	132,891.2	125,795.4	132,891.2	124,389.1

Historical Auction Clearing Price Comparison

PY	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	ERZs	
2015-2016	\$3.48			\$150.00		\$3.48		\$3.29		N/A	N/A	
2016-2017	\$19.72	\$72.00							\$2.99		N/A	
2017-2018	\$1.50										N/A	
2018-2019	\$1.00						\$10.00					N/A
2019-2020	\$2.99						\$24.30	\$2.99				
2020-2021						\$5.00		\$257.53	\$4.75	\$6.88	\$4.75	\$4.89- \$5.00
2021-2022						\$5.00			\$0.01			\$2.78- \$5.00
2022-2023						\$236.66			\$2.88			\$2.88- 236.66
Summer 2023-2024	\$10.00											

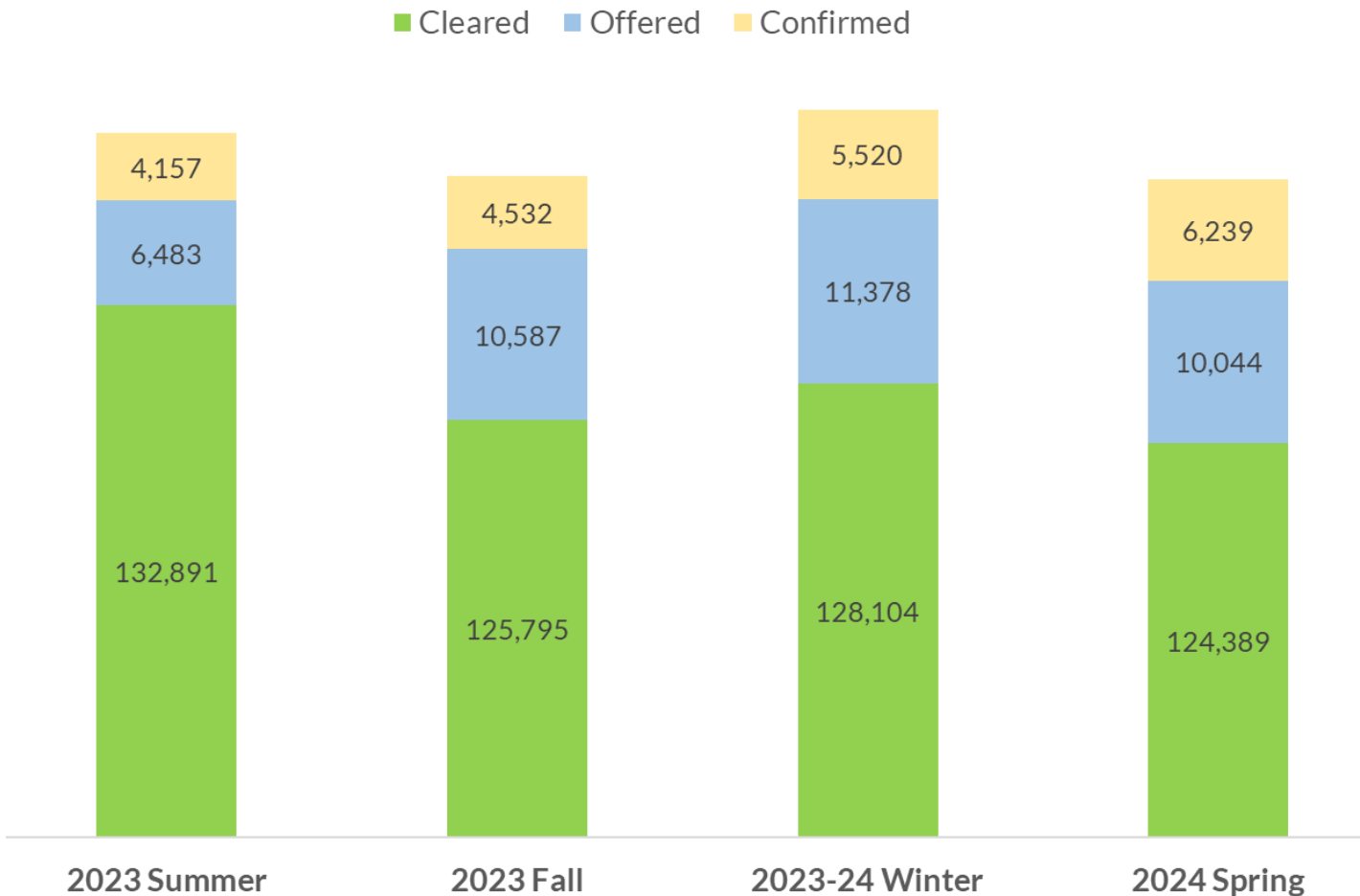
- Auction Clearing Prices shown in \$/MW-Day

2023-2024 Seasonal Auction Clearing Price Comparison

PY	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	ERZs
Summer	\$10.00										
Fall	\$15.00								\$59.21	\$15.00	
Winter	\$2.00								\$18.88	\$2.00	
Spring	\$10.00										
IMM Conduct Threshold	28.54	28.01	27.01	28.00	30.02	27.01	29.02	26.00	25.78	25.70	30.02
Cost of New Entry (Daily)	285.40	280.11	270.11	280.00	300.22	270.11	290.16	259.97	257.75	257.04	300.22
Cost of New Entry (Annual)	104,170	102,240	98,590	102,200	109,580	98,590	105,910	94,890	94,080	93,820	109,580

- There was price separation in the Fall and Winter for Zone 9 since it required higher priced supply within the zone to meet its local clearing requirement.
- Auction Clearing Prices shown in \$/MW-Day
- Conduct Threshold is 10% of Cost of New Entry (CONE)

2023-2024 MISO-wide Seasonal Capacity



- Offered and confirmed capacity values are incremental
- PRMR equals cleared capacity
- Surplus is offered capacity in excess of PRMR

Summer 2023 – Offered Capacity & PRMR (MW)

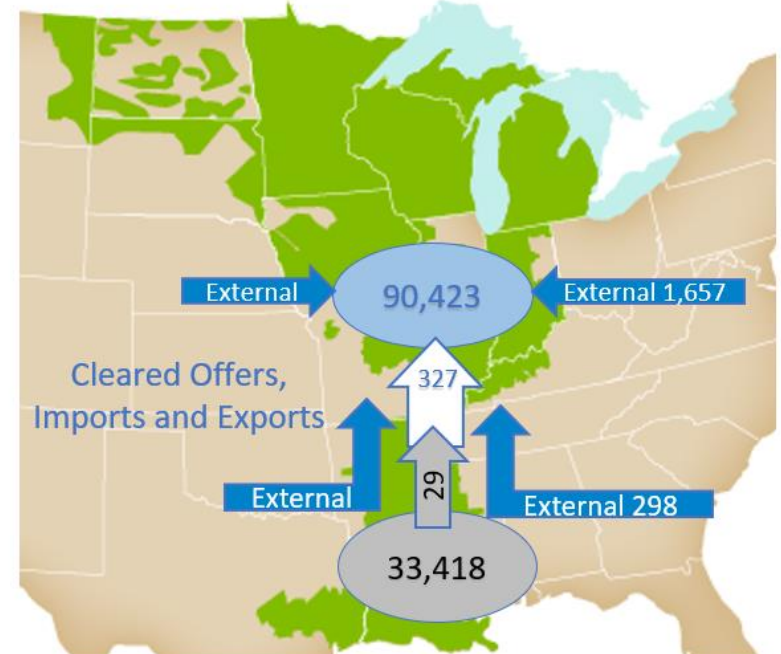
Summer 2023 – Cleared Capacity, Imports & Exports (MW)



Fall 2023 – Offered Capacity & PRMR (MW)



Fall 2023 – Cleared Capacity, Imports & Exports (MW)



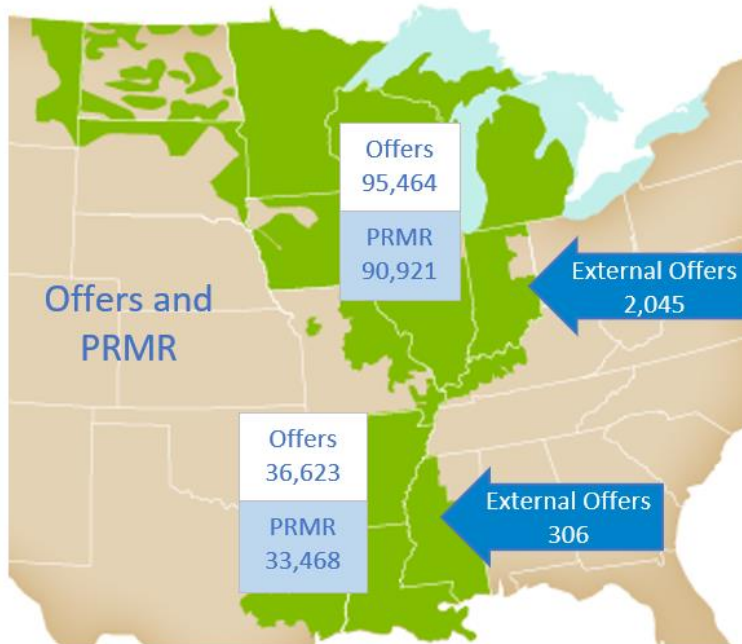
Winter 2023/24 – Offered Capacity & PRMR (MW)



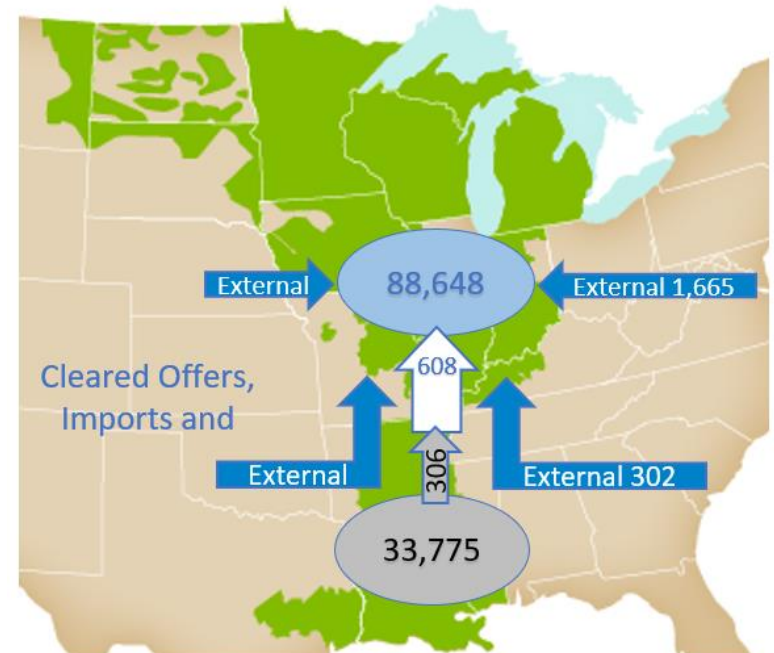
Winter 2023/24 – Cleared Capacity, Imports & Exports (MW)



Spring 2024 – Offered Capacity & PRMR (MW)



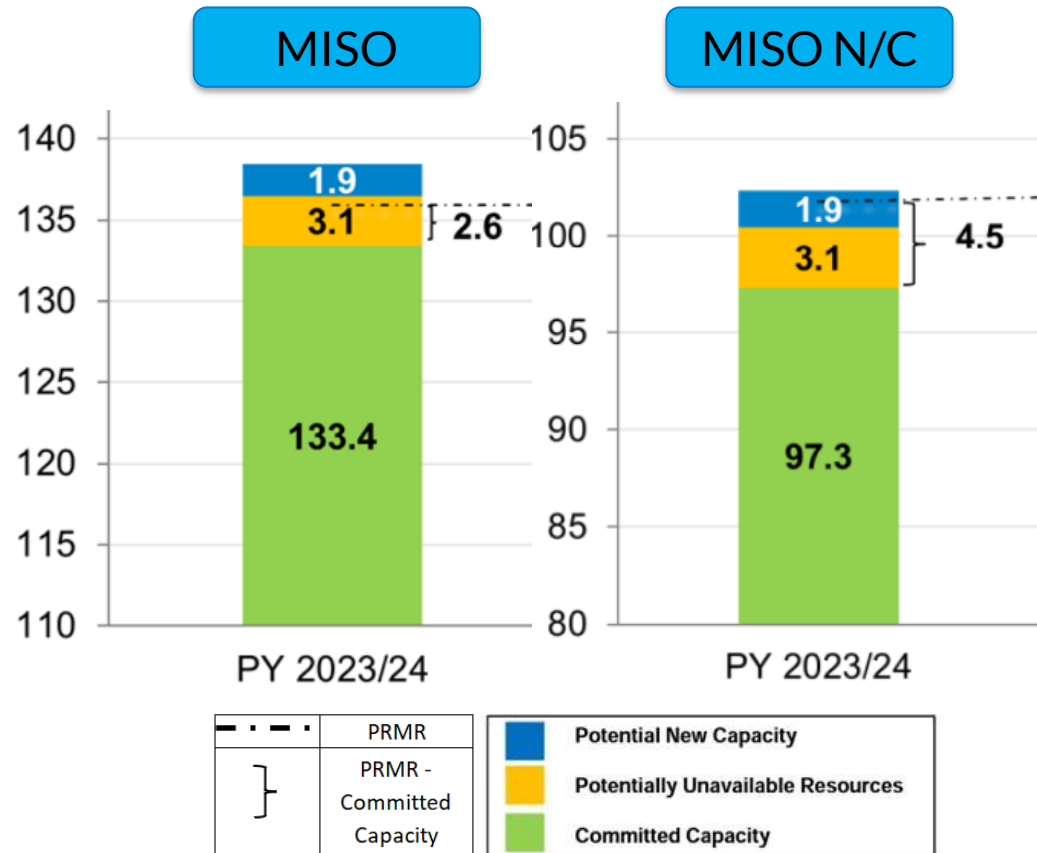
Spring 2024 – Cleared Capacity, Imports & Exports (MW)



2022 OMS-MISO survey projected deficit in MISO and MISO N/C. Decreased PRMR, participation of potentially unavailable resources, increased imports and accreditation bridged the gap.

2022 OMS-Survey Results vs. Summer 2023 PRA outcomes

- Delayed retirements – 3.54 GW
 - 2.7 of the 3.1GW of Potentially Unavailable Resources offered into the 2023 Summer PRA
 - 443 MW reported as 0 in the 2022 OMS-MISO Survey participated in the 2023 Summer PRA
 - Additionally 400MW of resources participated in the 2023 Summer PRA that did not in 22-23 or the 2022 survey
- 3GW lower PRMR in 2023 Summer PRA vs. Survey comprised of lower PRM% and lower demand forecast
- 700MW new firm imports
- 750MW footprint wide accreditation increase for wind resources



MISO-wide, there was 2.6 GW more of ZRCs offered in the Summer 2023 than in 2022. Coal retirements offset by new gas, capacity addition from renewables and LMRs

Offers (GW)	2022	Summer 2023	Change
Gas	58.5	59.9	1.4
Wind	3.8	5.0	1.2
Solar	2.1	3.0	0.9
Water	6.3	6.6	0.3
Nuclear	11.3	11.3	0.0
Coal	40.4	38.9	-1.5
Other Fuels	6.7	6.3	-0.5
DR	7.6	8.3	0.7
Total Offers	136.8	139.4	2.6

Offers (GW)	2022	Summer 2023	Change
Gen	121.5	122.4	0.9
BTMG	4.2	4.2	0.0
ER	3.6	4.5	1.0
DR	7.6	8.3	0.7
Total Offers	136.8	139.4	2.6

There was 3.4 GW more of Confirmed ICAP in the Summer 2023 than in 2022. Coal retirements offset by new gas, capacity addition from renewables and LMRs

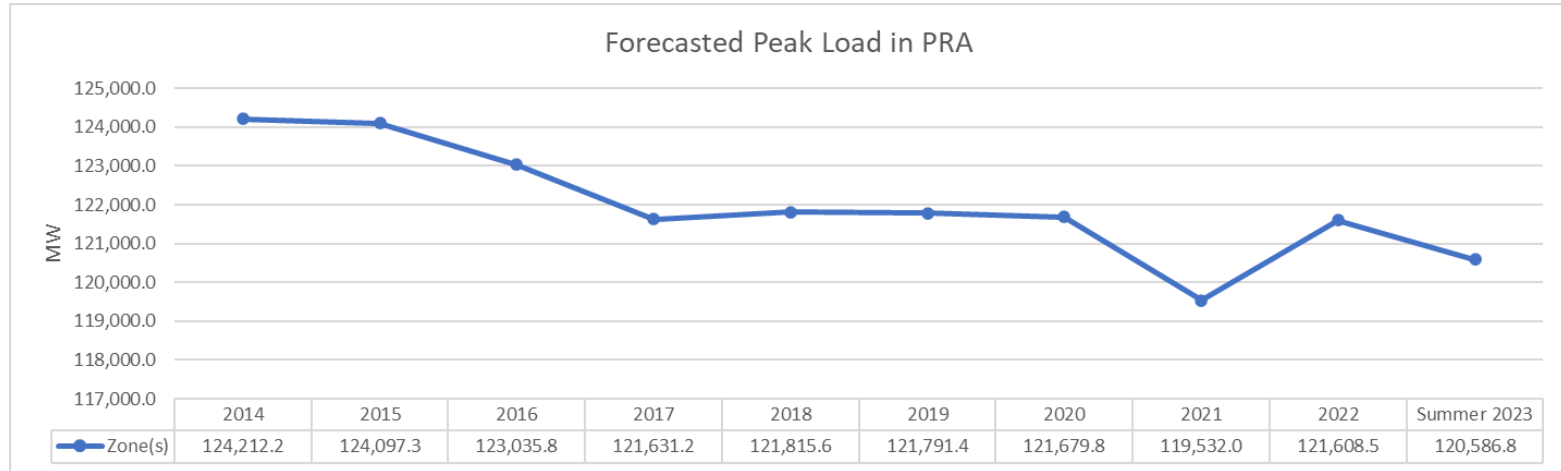
ICAP (GW)	2022	Summer 2023	Change
Gas	64.5	66.3	1.8
Wind	25.8	28.5	2.7
Solar	2.7	4.1	1.4
Water	6.7	6.9	0.2
Nuclear	12.0	12.0	0.0
Coal	47.7	45.4	-2.3
Other Fuels	7.5	7.4	-0.1
DR	7.1	7.5	0.5
Total Offers	173.9	178.1	4.3

ICAP (GW)	2022	Summer 2023	Change
Gen	158.6	161.2	2.6
BTMG	4.5	4.6	0.1
ER	3.7	4.7	1.1
DR	7.1	7.5	0.5
Total Offers	173.9	178.1	4.3

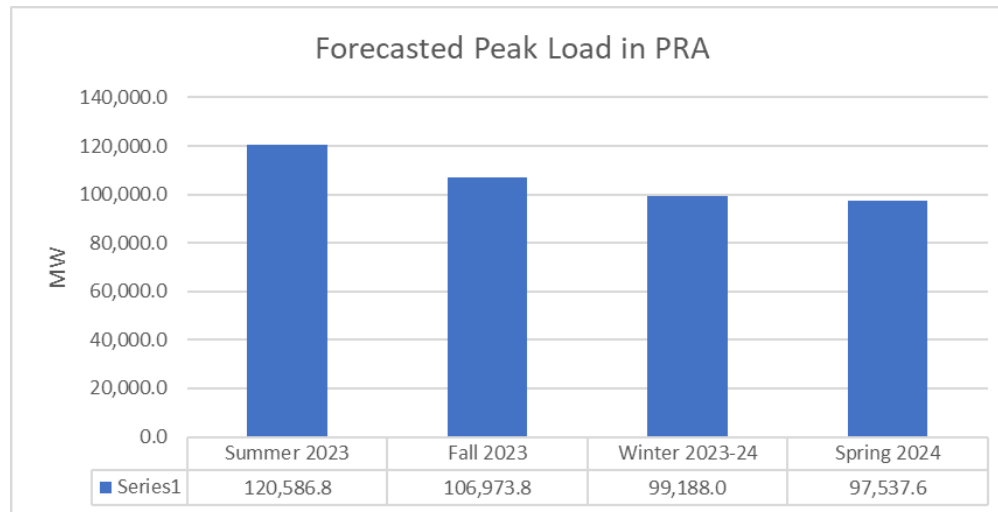
Coal retirements offset by new gas, surplus created with renewables and LMRs

Forecasted Peak Load (CPF)

Year over year the summer CPF (-1.0 GW), PRM (-1.3%) and PRMR (2.44 GW) are lower.



2023-2024 Seasonal Forecasted Peak



Planning Reserve Margin (%)

Historic PRM Trend

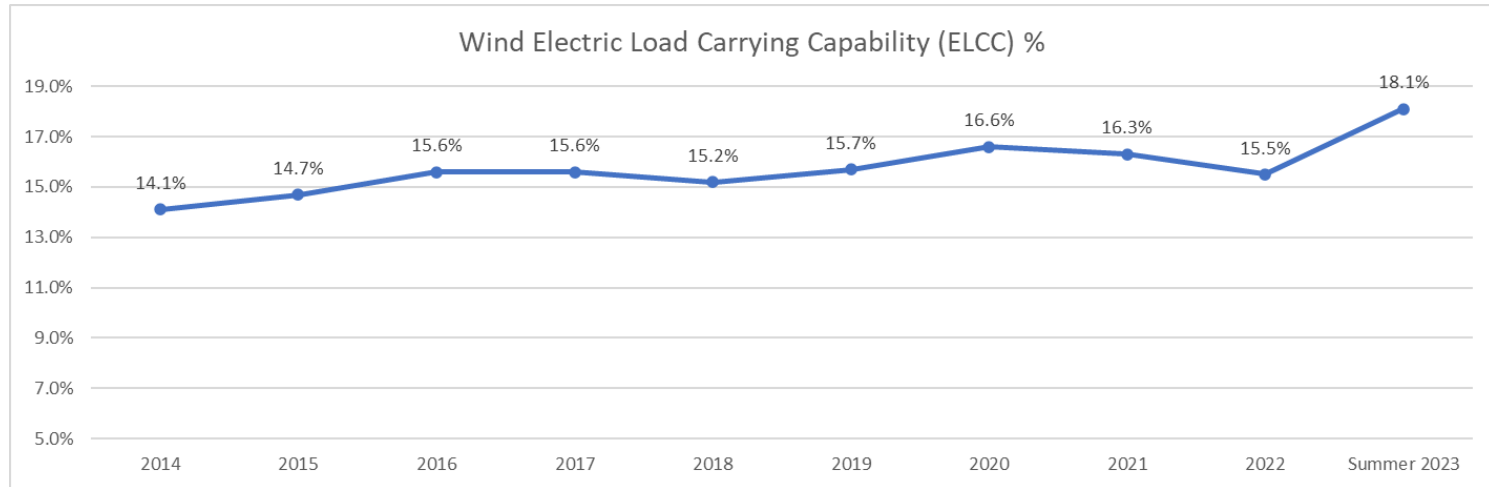


2023-2024 Seasonal PRM

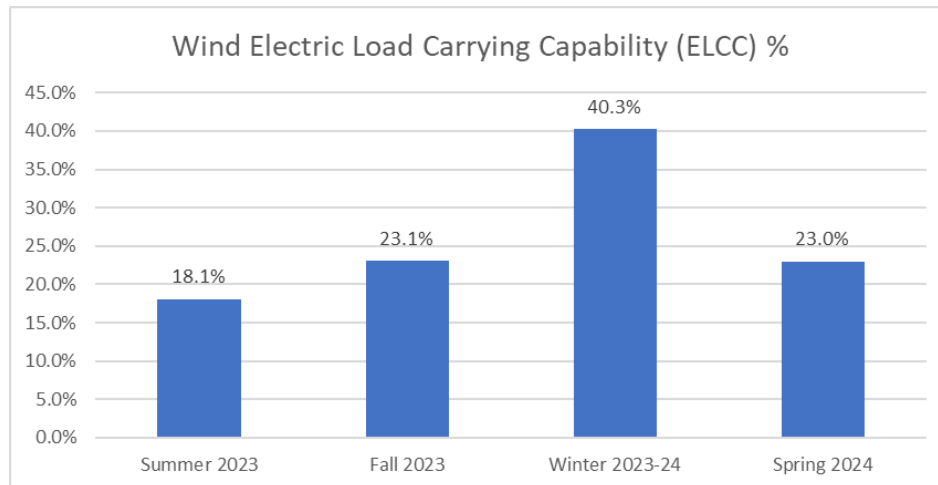


Wind Effective Load Carrying Capacity (%)

Historic ELCC Trend

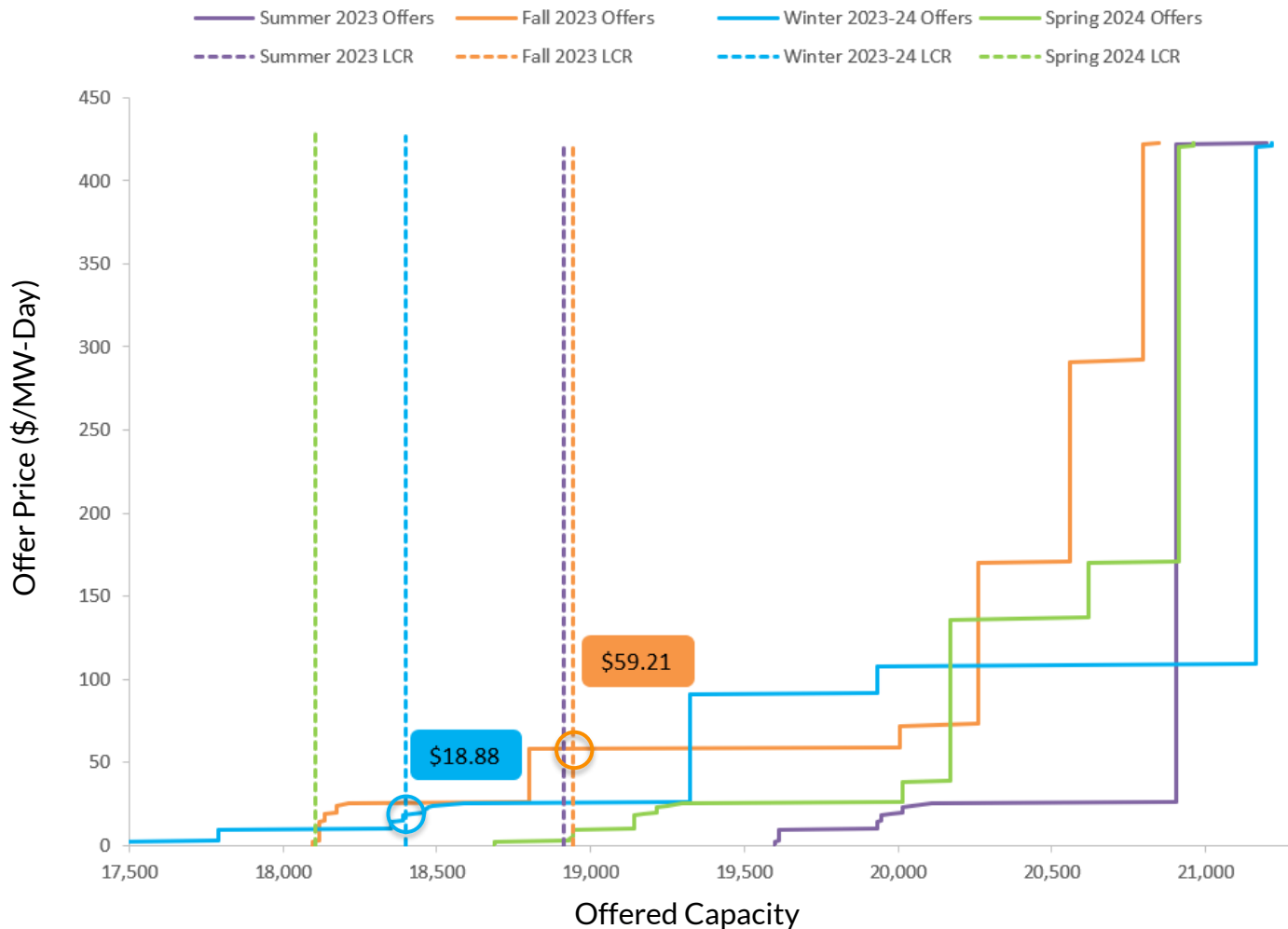


2023-24 ELCC Seasonal

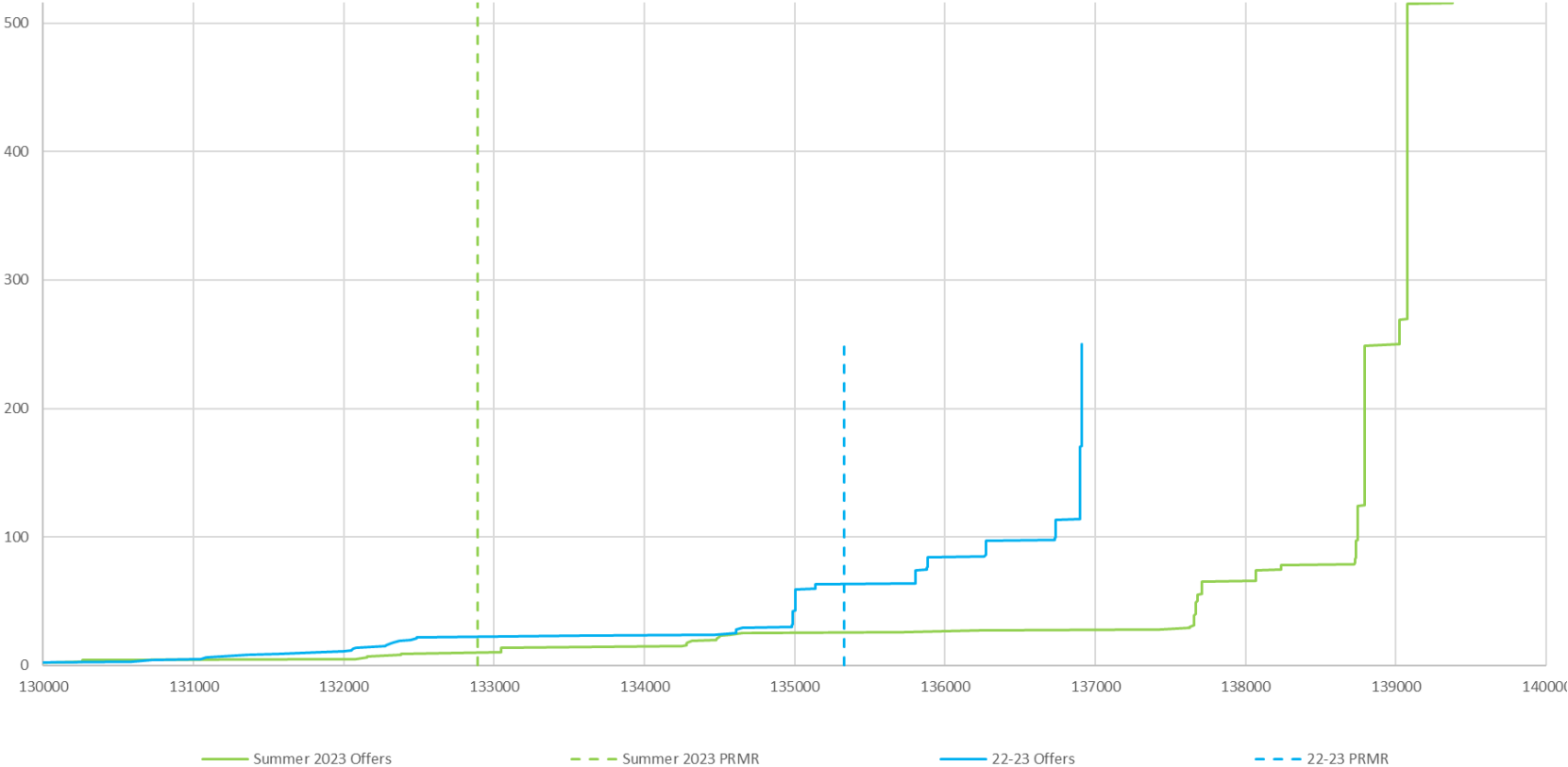


- No change to wind or solar accreditation methodology from previous years
- Methodology applied on a seasonal basis
- Wind ELCC and new solar capacity is established in the LOLE Study
- New solar
 - Summer, Fall, Spring 50%
 - Winter 5%

LRZ9 seasonal offer curves and local clearing requirements

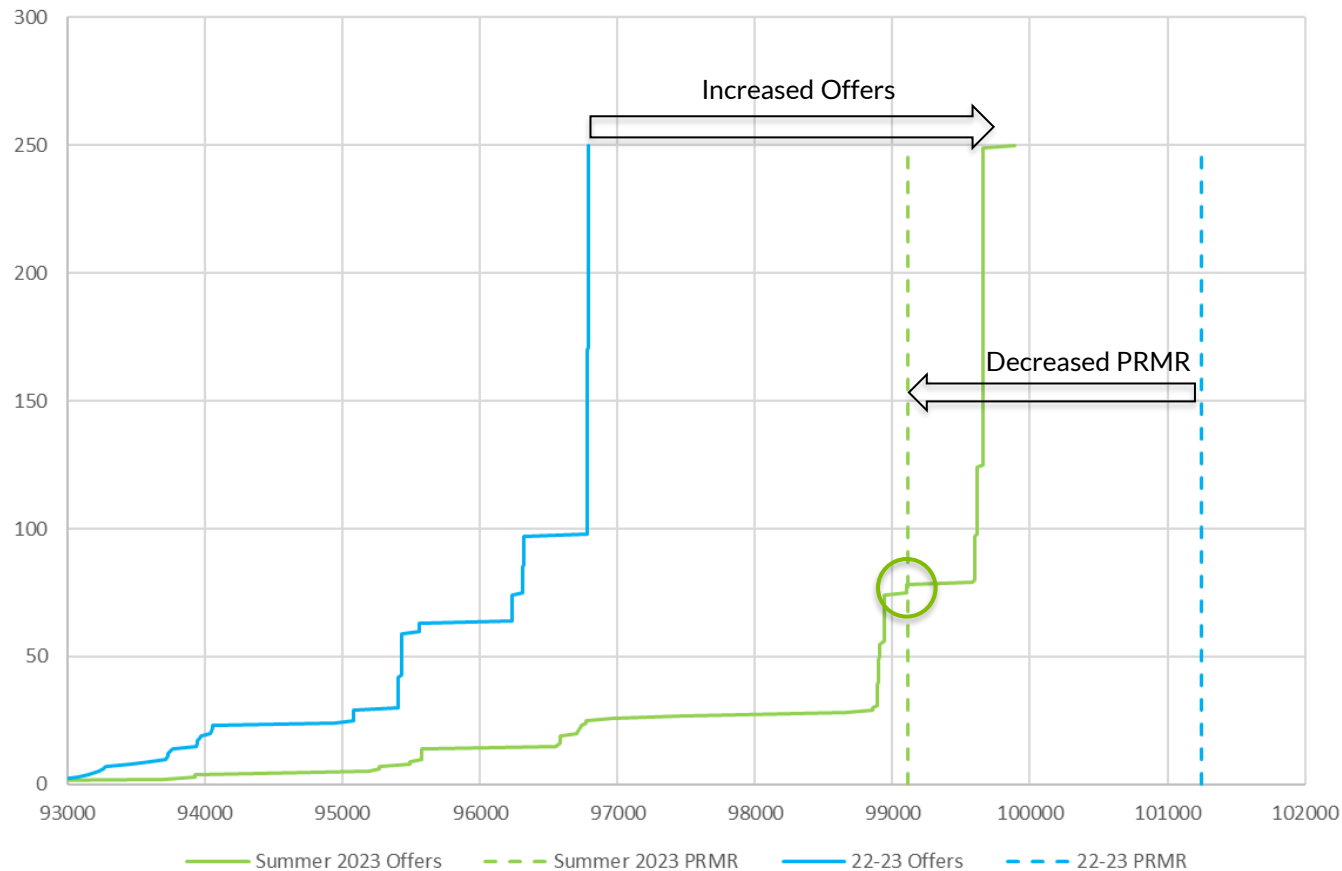


MISO PRMR and Supply curves Summer 2023 vs. 2022-23PY



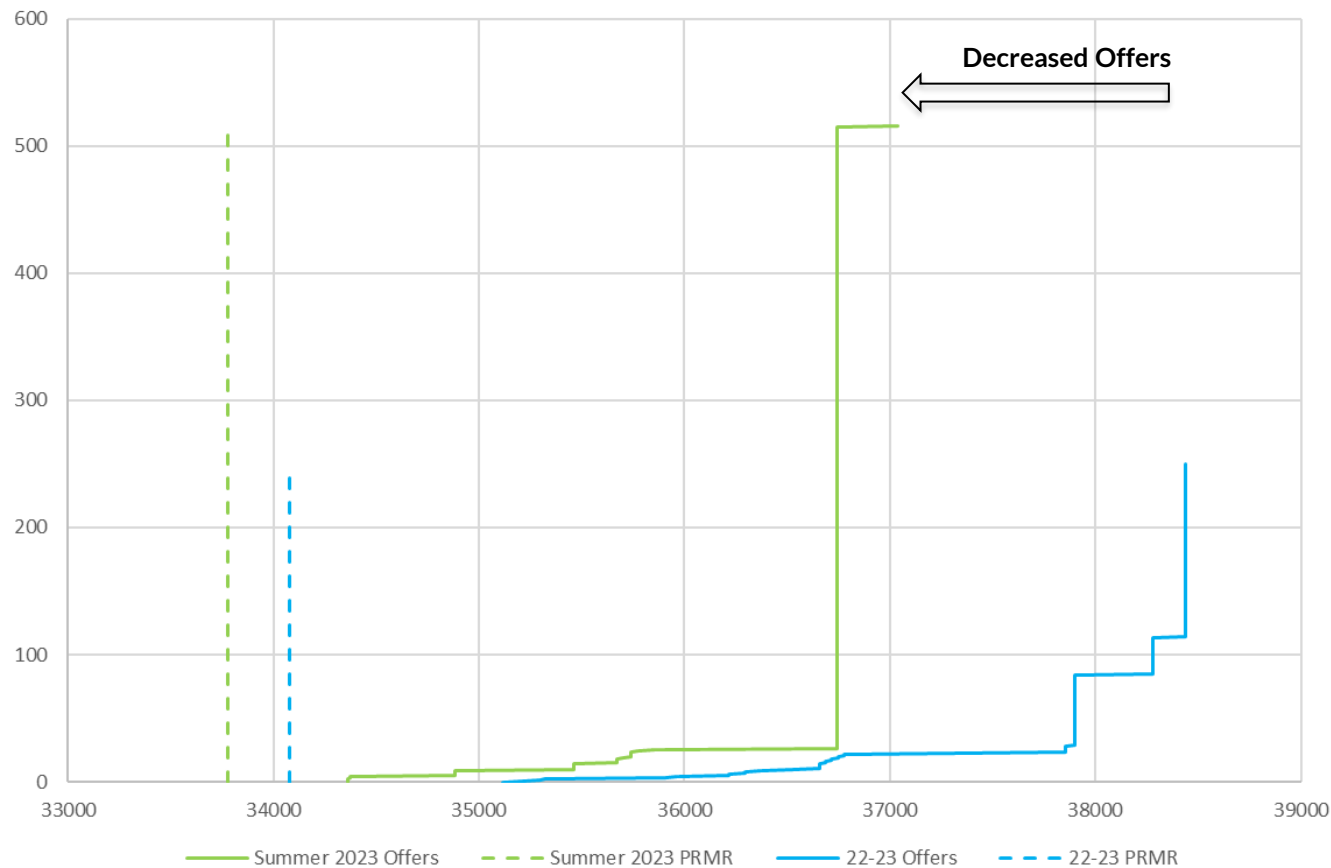
North/Central had sufficient capacity to meet PRMR (\$79) without imports unlike PY 22-23 but utilized cheaper imports from MISO South and External

MISO N/C Only 22-23 vs. Summer 2023



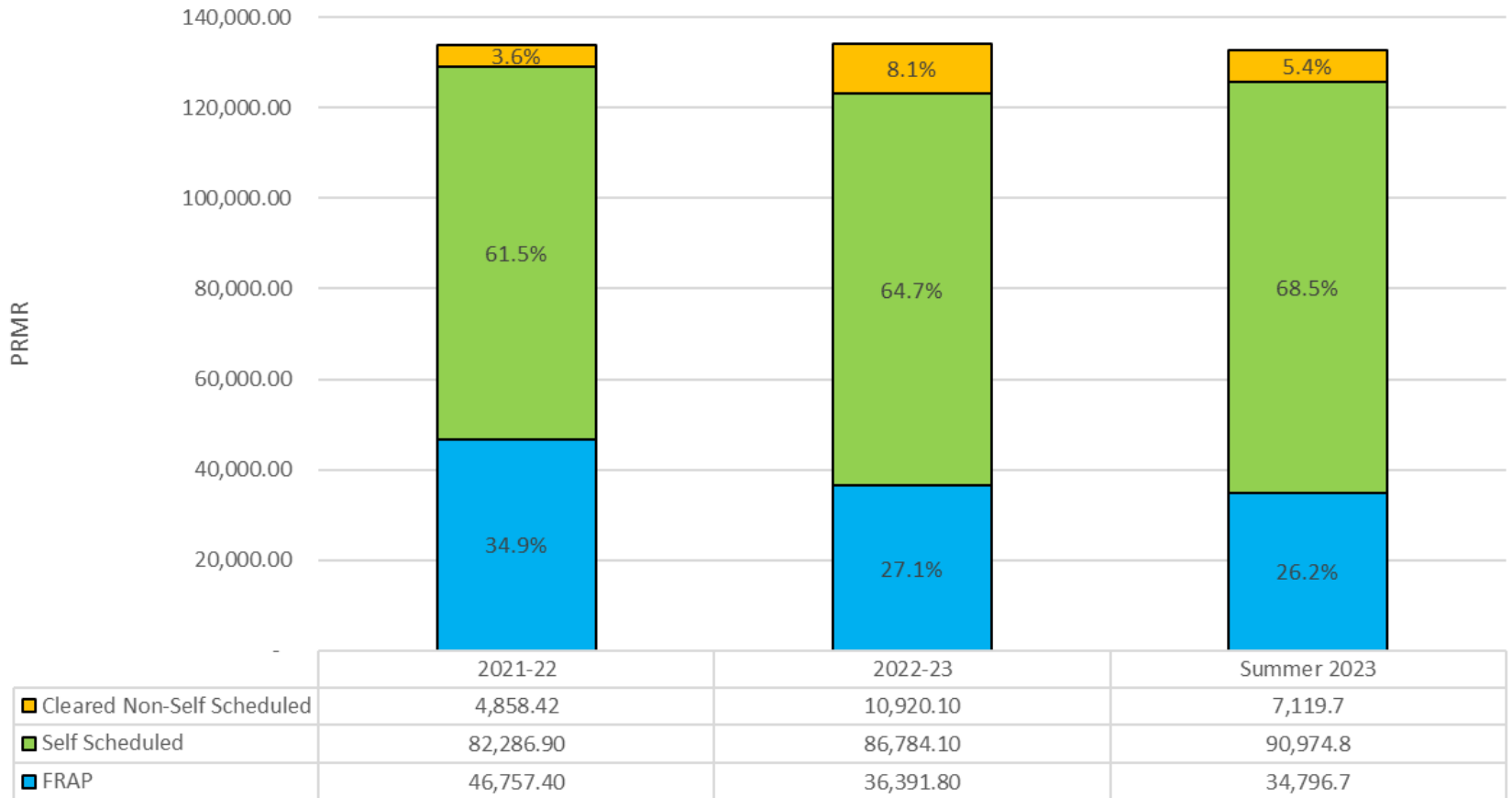
MISO South has capacity beyond the region's PRMR and exported to N/C but the offered capacity has decreased since last year

MISO S 22-23 vs. Summer2023

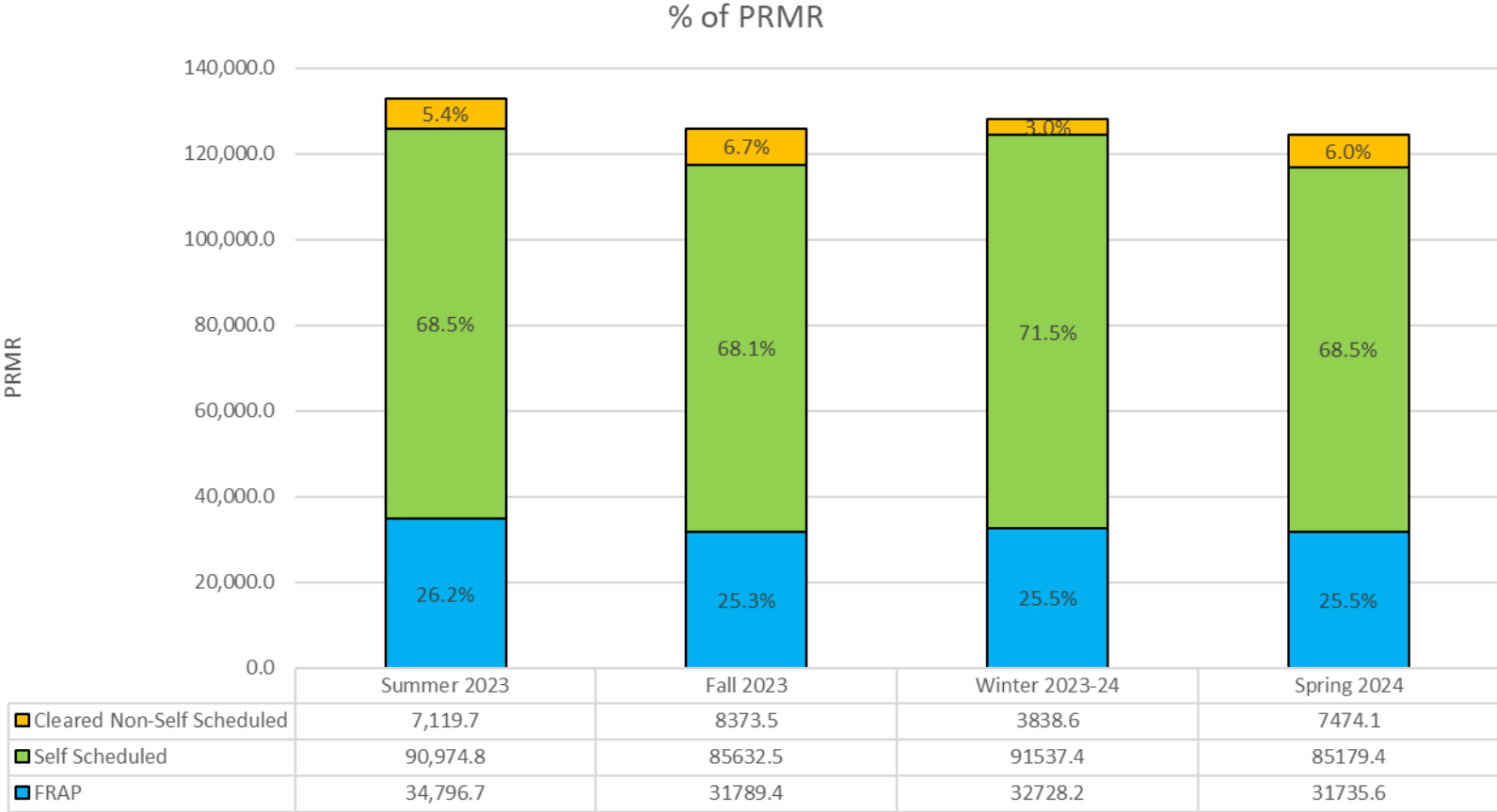


Most members continue to meet resource adequacy requirements through fixed plans and self-scheduling

% of PRMR

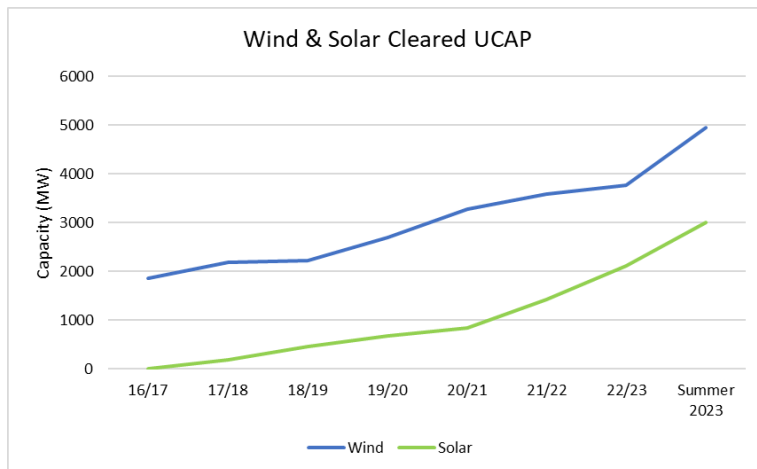
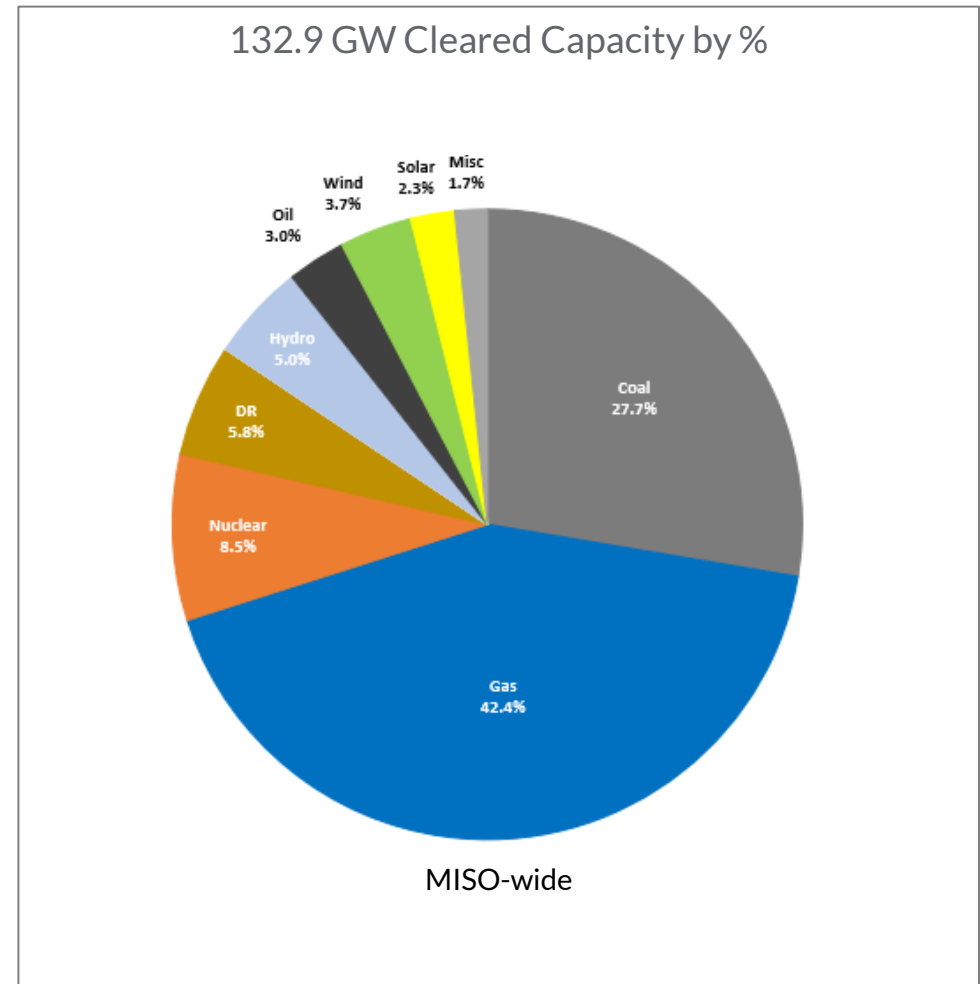


2023-2024 Seasonal Resource Adequacy Requirements are fulfilled similarly across all four seasons

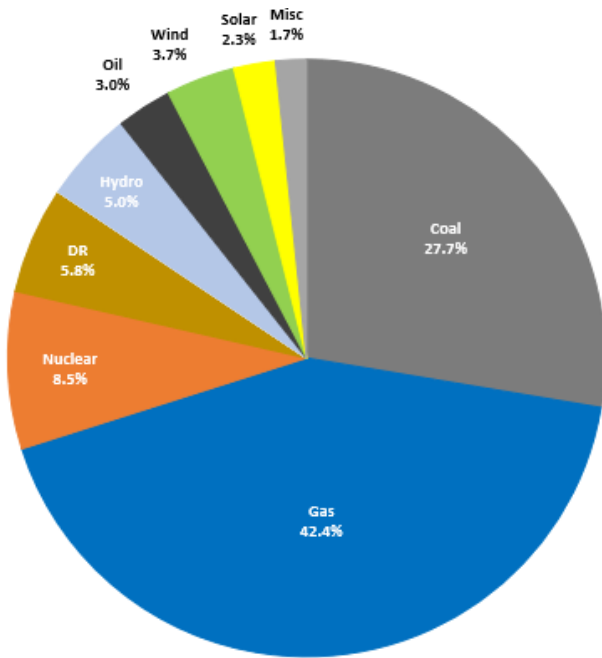


For the Summer 2023, although conventional generation still provides most of the capacity, wind and solar continue to grow

- 3.0 GW of solar cleared this year's auction—an increase of 42% from Planning Year 2022-23 (2.1 GW)
- Similarly, 5.0 GW of wind cleared this year, an increase of 32% compared to last year (3.8 GW)



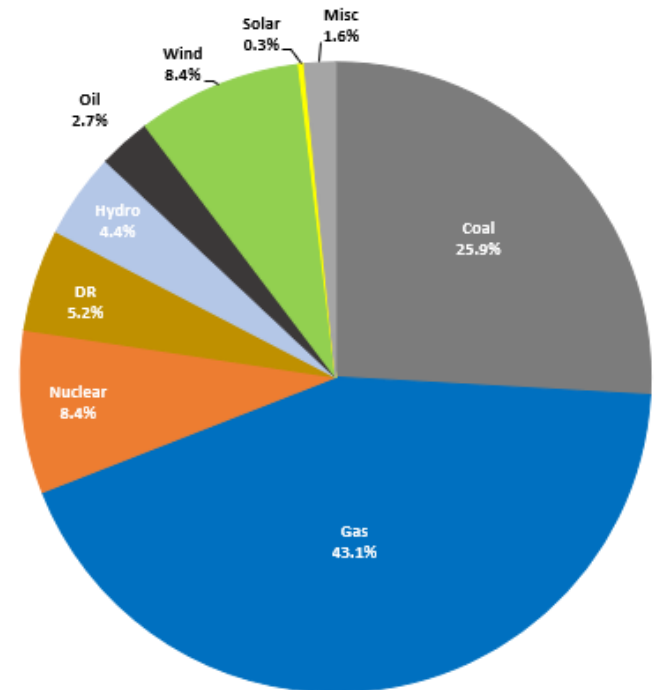
Winter PRMR is 4.8 GW (3.6%) lower than the summer. There were less thermal, hydro and solar resources and significantly more wind to meet PRMR in the Winter versus the Summer.



Summer 2023
Cleared Capacity

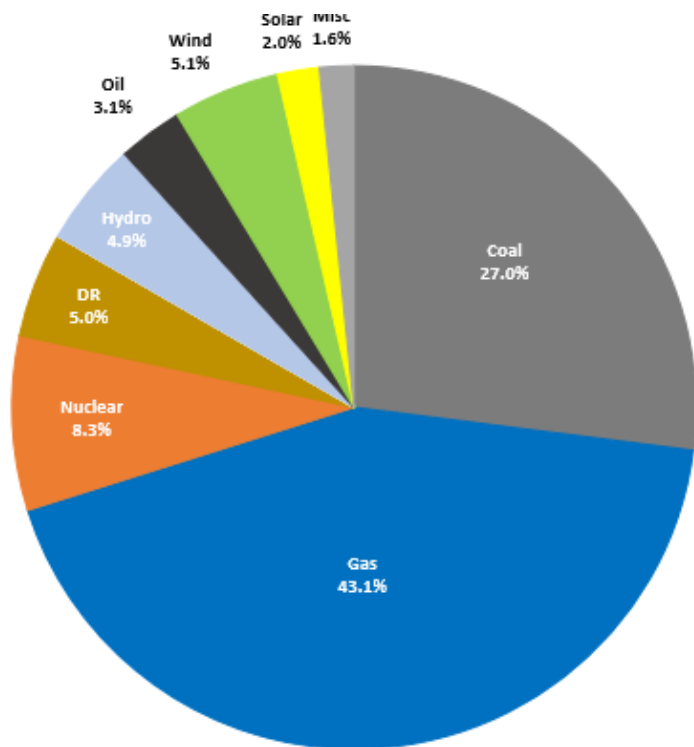
MISO-wide

Cleared ZRCs	Summer 2023	Winter 2023-24	Difference
Coal	36,749.7	33,177.9	3,571.8
Gas	56,384.1	55,276.0	1,108.1
Nuclear	11,317.7	10,708.4	609.3
DR	7,694.6	6,702.4	992.2
EE	5.0	6.7	-1.7
Hydro	6,604.1	5,599.4	1,004.7
Oil	3,980.1	3,423.6	556.5
Wind	4,952.2	10,800.2	-5,848.0
Solar	3,008.2	371.8	2,636.4
Misc	2,195.5	2,037.8	157.7
PRMR	132,891.2	128,104.2	4,787.0



Winter 2023-24
Cleared Capacity

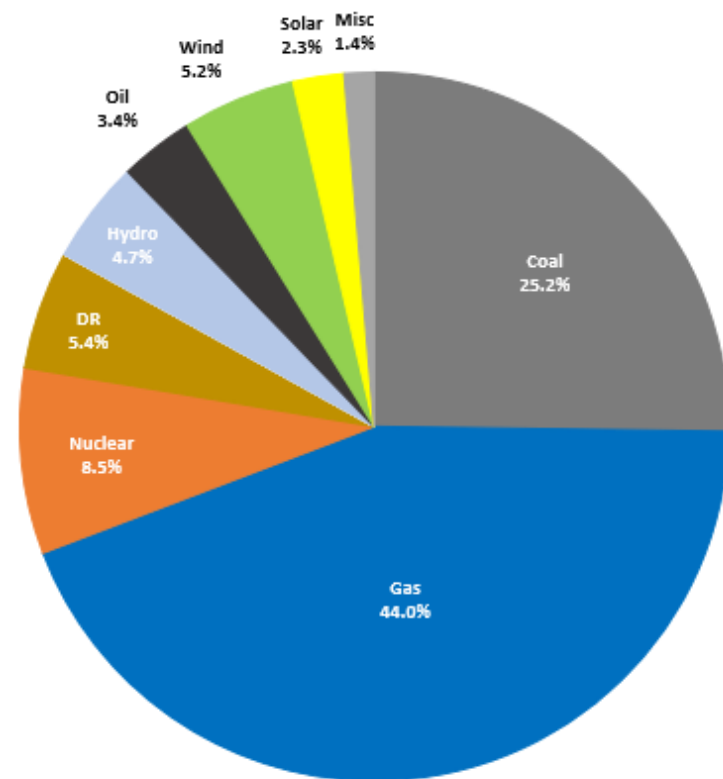
Fall 2023 and Spring 2024 - Cleared ZRCs and PRMR



Fall 2023
Cleared Capacity

MISO-wide

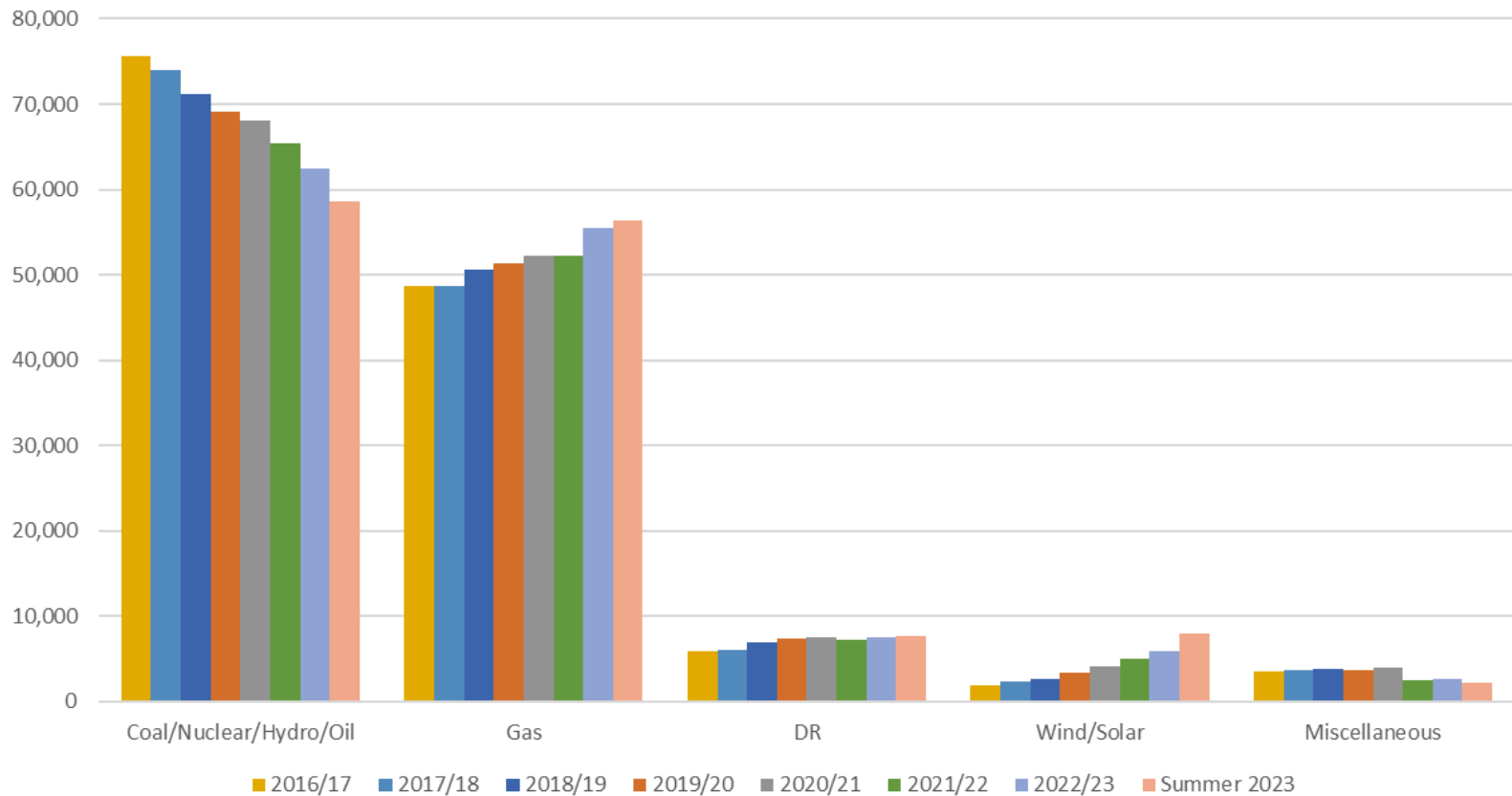
Cleared ZRCs	Fall 2023	Spring 2024
Coal	33,978.5	31,366.6
Gas	54,243.2	54,701.3
Nuclear	10,382.2	10,539.4
DR	6,254.4	6,720.0
EE	4.8	5.3
Hydro	6,223.3	5,850.4
Oil	3,837.9	4,207.9
Wind	6,357.1	6,413.1
Solar	2,485.8	2,903.8
Misc	2,028.2	1,681.3
PRMR	125,795.4	124,389.1



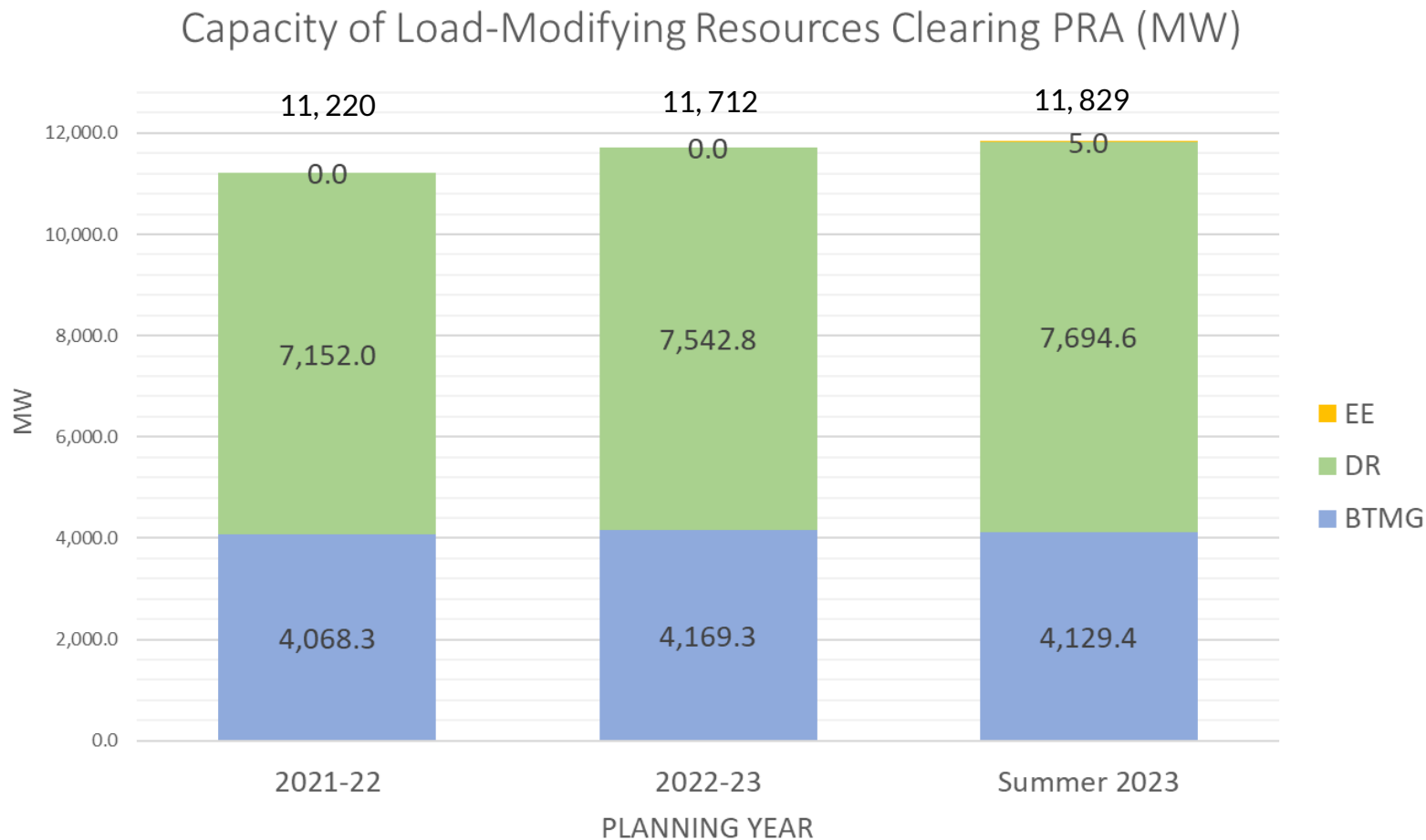
Spring 2024
Cleared Capacity

The planning resource mix shows the continuation of a multi-year trend toward less coal/nuclear/hydro/oil and increased gas and non-conventional resources

Cleared Capacity (MW)



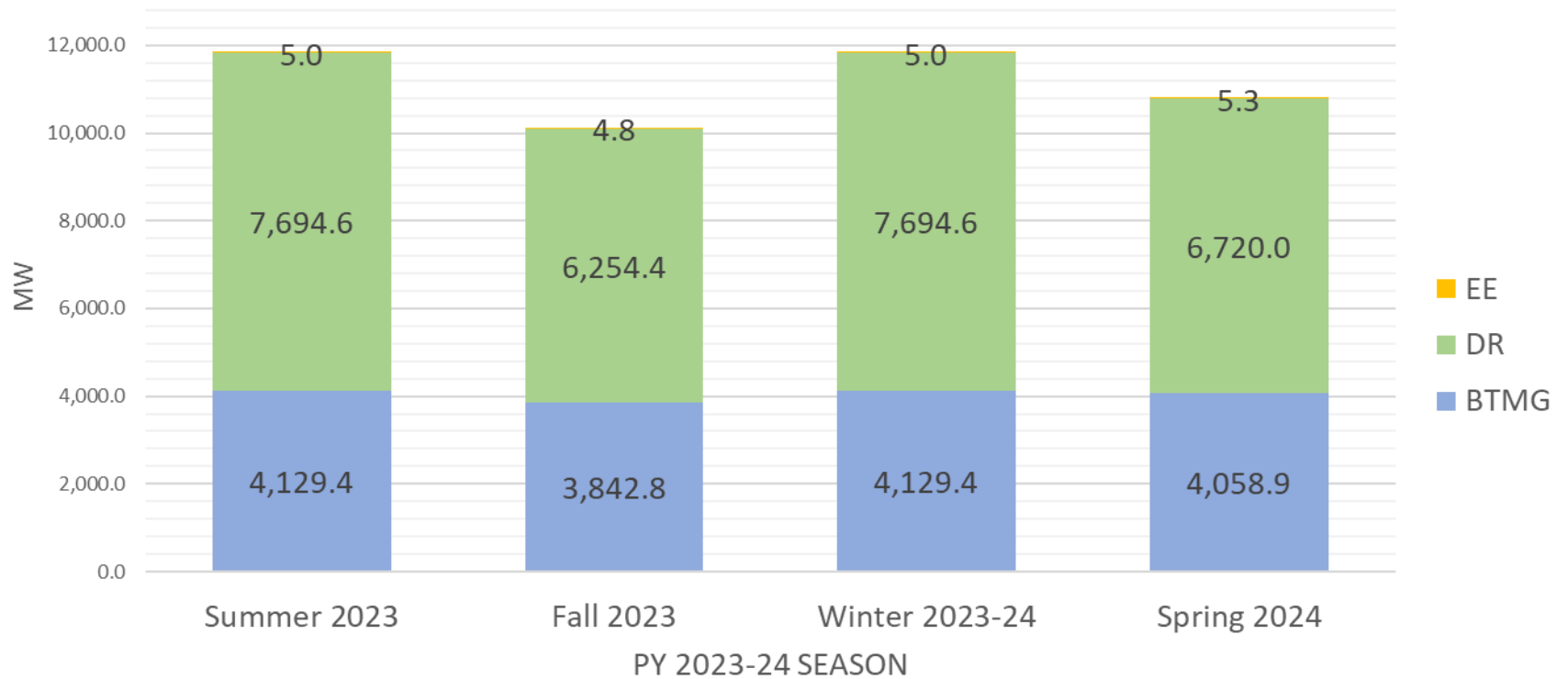
Historical trend for LMRs (DR, EE and BTMG) cleared in the PRA



Around 600 additional DRs were offered in for the 2023-24 PRA that did not clear the auction.

2023-2024 Seasonally Cleared LMR Comparison

Capacity of Load-Modifying Resources Clearing PRA (MW)



Study Reports

- **LOLE Study Report**

- <https://cdn.misoenergy.org/PY%202023%202024%20LOLE%20Study%20Report626798.pdf>

- **Wind & Solar Capacity Credit Report**

- <https://cdn.misoenergy.org/2023%20Wind%20and%20Solar%20Capacity%20Credit%20Report628118.pdf>

- **CIL/CEL**

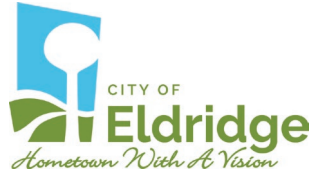
- https://cdn.misoenergy.org/20221003%20LOLEWG%20Item%2004%20PY%202023-24%20Final%20CIL-CEL%20Results_Updated626464.pdf

- **SRIC/SREC**

- https://cdn.misoenergy.org/SRIC_SREC%20Posting%20for%202023_24%20PRA628233.pdf



<https://help.misoenergy.org/support/>



Resolution 2023-04 E & W
Resolution Approving Journeyman Lineman
Wage Adjustment

WHEREAS the Utility Board has reviewed a wage study for the Journeyman Lineman, and;

WHEREAS the wage study consists of seven municipal utilities that were selected based on a population +/- 25% of Eldridge's population, and;

WHEREAS the Utility Board recognizes a wage disparity between the Journeyman Lineman and others in that classification, and;

WHEREAS the Utility Board has determined a wage compensation for the Journeyman Lineman, and;

WHEREAS the Utility Board desires to make the wage compensation effective July 1, 2023.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE ELDRIDGE ELECTRIC AND WATER UTILITY adopts the following wage adjustment for the Journeyman Lineman.

Section 1. Journeyman Lineman shall receive a \$1.21 hourly pay increase effective July 1, 2023.

Section 2. Journeyman Lineman shall receive a 3.0% GWI effective July 1, 2023, per the Eldridge Municipal/Utility Employees Agreement.

PASSED AND APPROVED THIS 6th DAY OF JUNE 2023.

ATTEST:

Brock Kroeger, Chairman

Michael Anderson, Secretary

OUTAGE REPORT

Date: 5/26/23

Address: 418 W Davenport St

Outage Time: 8:15 am – 8:35 am

Cause: Animal Contact

of Customers: 4

OUTAGE REPORT

Date: 5/28/23

Address: 612 N. 6th St.

Outage Time: 12:00 pm – 12:45 pm

Cause: ½ Power

of Customers: 1

OUTAGE REPORT

Date: 6/6/23

Address: 509 N 6th St.

Outage Time: 6:25 am – 7:05 am

Cause: Animal Contact at
Transformer

of Customers: 3

Laboratory Report

Eldridge, City of
 Jake Rowe
 305 North 3rd Street
 Eldridge, IA 52748

Date Received: 05/09/23 13:50
Date Reported: 05/17/23 14:54
Project: PWS ID # IA8230008 Eldridge
 Send Invoice to AP

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
Sample ID: 120 N Scott Park Rd - Routine Grab			Date Sampled: 05/09/23 12:03	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-01			Sampled by: Jacob Powell			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	1.50	mg/L	05/09/23 12:03	Jacob Po	SM 4500 Cl G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
Sample ID: 914 W. Hickory St - Routine Grab			Date Sampled: 05/09/23 11:32	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-02			Sampled by: Jacob Powell			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	2.46	mg/L	05/09/23 11:32	Jacob Po	SM 4500 Cl G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
Sample ID: 105 E LeClaire Rd - Routine Grab			Date Sampled: 05/09/23 11:25	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-03			Sampled by: Eldridge Personnel			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	2.88	mg/L	05/09/23 11:25	Eldridge I	SM 4500 Cl G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
Sample ID: 800 Rustic View Ct - Routine Grab			Date Sampled: 05/09/23 11:06	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-04			Sampled by: Tate Olson			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
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Analysis Certified by:



Amy Dobbela For Randall Wanke, Laboratory Director

Randal Wanke, Laboratory Director

Eldridge, City of
 305 North 3rd Street
 Eldridge IA, 52748

Project: PWS ID # IA8230008 Eldridge

Send Invoice to AP

Client Contact: Jake Rowe

Reported:
 05/17/23 14:54

Field Chlorine 2.24 mg/L 05/09/23 11:06 Tate Olso SM 4500 CI G

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
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Sample ID: 2199 E Lomar St - Routine Grab			Date Sampled: 05/09/23 10:58	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-05			Sampled by: Eldridge Personnel			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	1.68	mg/L	05/09/23 10:58	Eldridge I	SM 4500 CI G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
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Sample ID: 500 W LeClaire Rd - Routine Grab			Date Sampled: 05/08/23 14:51	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-06			Sampled by: Jacob Powell			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	2.74	mg/L	05/08/23 14:51	Jacob Po	SM 4500 CI G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
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Sample ID: 305 N 3rd St - Routine Grab			Date Sampled: 05/08/23 14:11	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-07			Sampled by: Jacob Powell			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	1.90	mg/L	05/08/23 14:11	Jacob Po	SM 4500 CI G	

Analyte	Result	Units	Analyzed	Analyst	Method	Notes
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Sample ID: 821 W Donahue St - Routine Grab			Date Sampled: 05/08/23 13:55	Date Received: 05/09/23 13:50		
Lab No.: 23E0928-08			Sampled by: Jacob Powell			

Classical Chemistry Parameters

Total Coliforms	Negative	MPN/100 mL	05/09/23 13:50	ad	SM 9223B	
Field Chlorine	1.96	mg/L	05/08/23 13:55	Jacob Po	SM 4500 CI G	

 N-1 Negative
 _A Bacteria Absent