

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Evergy Metro, Inc. d/b/a Evergy)
Missouri Metro’s 2026 Integrated Resource Plan) File No. EO-2026-0188
Annual Update Filing)

In the Matter of Evergy Missouri West, Inc. d/b/a)
Evergy Missouri West’s 2026 Integrated Resource) File No. EO-2026-0189
Plan Annual Update Filing)

NOTICE OF STAKEHOLDER PRESENTATION

COMES NOW, Evergy Metro, Inc. d/b/a Evergy Missouri Metro (“Evergy Missouri Metro”) and Evergy Missouri West, Inc. d/b/a Evergy Missouri West¹ (“Evergy Missouri West”) (collectively, the “Company”) and for their Notice, state as follows:

1. On June 26, 2026, the Company held a presentation for stakeholders related to Evergy Missouri Metro’s and Evergy Missouri West’s respective annual resource plans previously filed in the above-captioned dockets. A copy of the presentation (Confidential & Public versions) is attached hereto.

WHEREFORE, the Company files this Notice for the Commission’s information.

WHEREFORE, Evergy Missouri Metro and Evergy Missouri West file this Notice for the Missouri Public Service Commission (“Commission”) information.

Respectfully submitted,

/s/ Roger W. Steiner

Roger W. Steiner, MBN 39586

Cole Bailey, MBN 77268

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Metro and Evergy Missouri West

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing have been mailed, hand-delivered, transmitted by facsimile or electronically mailed to all counsel of record this 30th day of June 2026

Roger W. Steiner

Roger W. Steiner



2026 Evergy Metro and Evergy Missouri West Annual Update Stakeholder Meeting

**Evergy Metro
Case No. EO-2026-0188
Evergy Missouri West
Case No. EO-2026-0189**

**** Confidential ****





Agenda

- Everyg Overview
- Changes since 2025 Annual Update
- Load Forecasting
- Supply-Side Resources
- Integrated Resource Analysis and Preferred Plan
- Load Growth Scenarios
- Resource Acquisition Strategy
- Next Steps



Goals for IRP Stakeholder Engagement

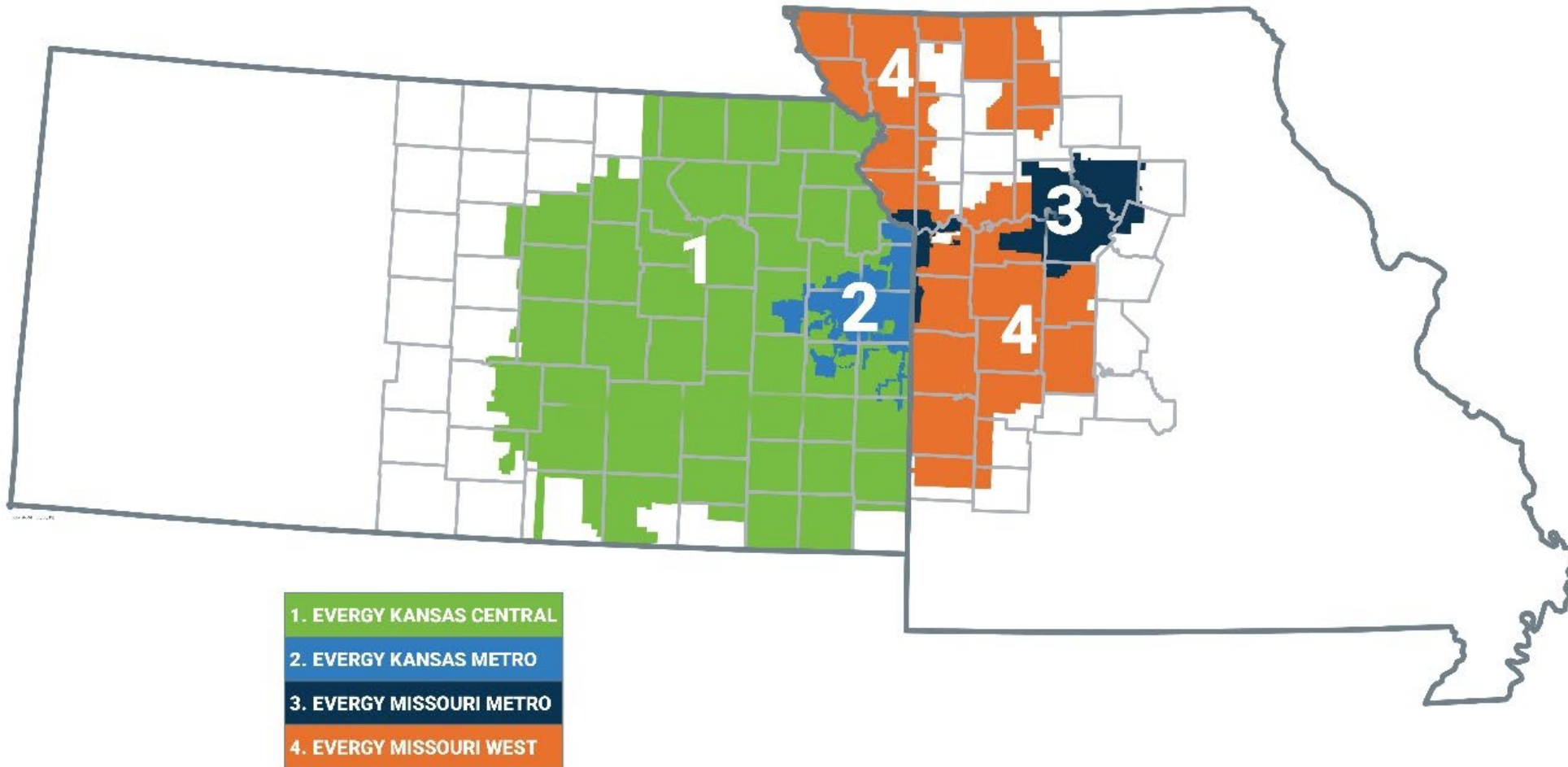
Encourage Transparency	Share the IRP methodology, analysis and planning process with stakeholders to build understanding and gain insight
Expand and Enrich Analysis	Engage a variety of viewpoints to expand and enrich the scenarios evaluated through the IRP process
Discuss and Balance Trade-Offs	Understand and balance trade-offs between the different IRP tenets (reliability, value/affordability, safety, flexibility, environmental stewardship)

Evergy Overview



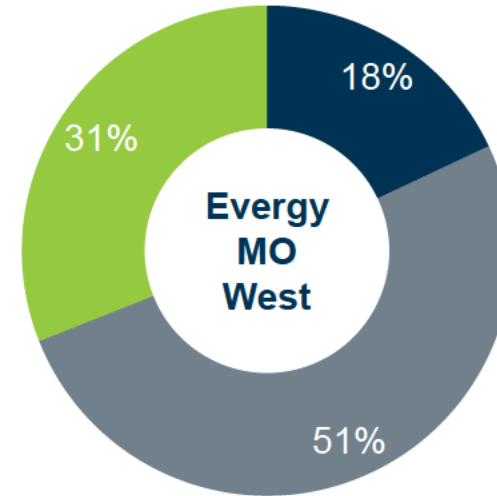
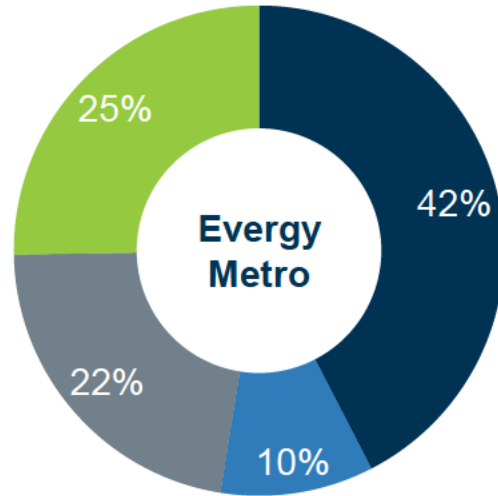


Evergy's Service Territory

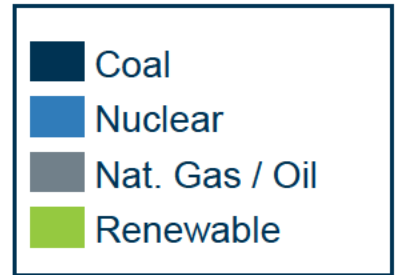
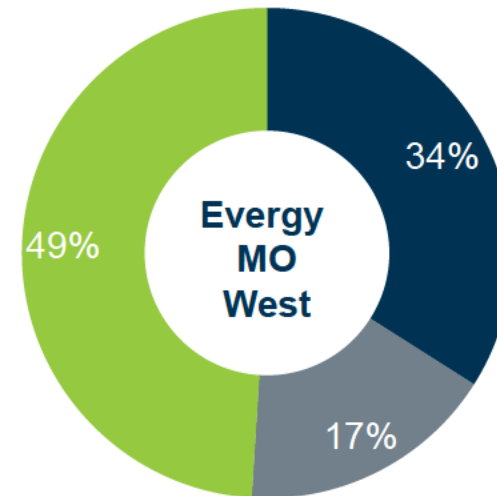
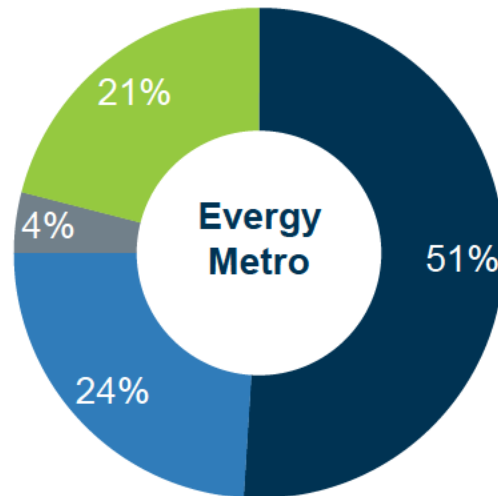


Capacity & Energy Profiles

Capacity ➔



Energy ➔



Note: As of year-end 2025

Changes since 2025 Annual Update





Changes from the 2025 Annual Update

Big Themes This Year

- **Large Customer Growth**
 - LLPS tariffs approved
 - Signed energy service agreements
 - Additional customers in load forecast
- **Resource Adequacy (RA)**
 - SPP one-time Expedited Resource Adequacy process approved by FERC, Evergy projects submitted
 - Senate Bill 4 passed in the 2025 legislative session including incentives for new gas generation and requirements for replacing dispatchable resources one-for-one with dispatchable capacity
 - Summer 2026 was first season with new RA rules including Performance-Based Accreditation (PBA) and Effective Load Carrying Capability (ELCC) for resource accreditation, and Accredited Capacity (ACAP) Planning Reserve Margin
 - Updated SPP planning reserve margin requirements and future estimates, updated resource accreditation based on latest data
- **Changes to Environmental Policy and Decarbonization Outlook**
 - Greenhouse Gas Rule reconsidered, potential for elimination of all existing GHG standards
 - Big Beautiful Bill Act shortened timeline for Production Tax Credit eligibility for new wind and solar
 - Evergy postponing planned retirements five or more years from 2025 plan
 - Pace of resource mix transition in SPP from fossil to renewable expected to be slower
- **Continued Cost Increases for New Resources, Long Lead Times for Development**
 - Updated costs based on latest RFP offers and self-development estimates
 - Turbine delivery lead time 5+ years
 - Local opposition challenges new solar and battery project siting

Load Forecasting



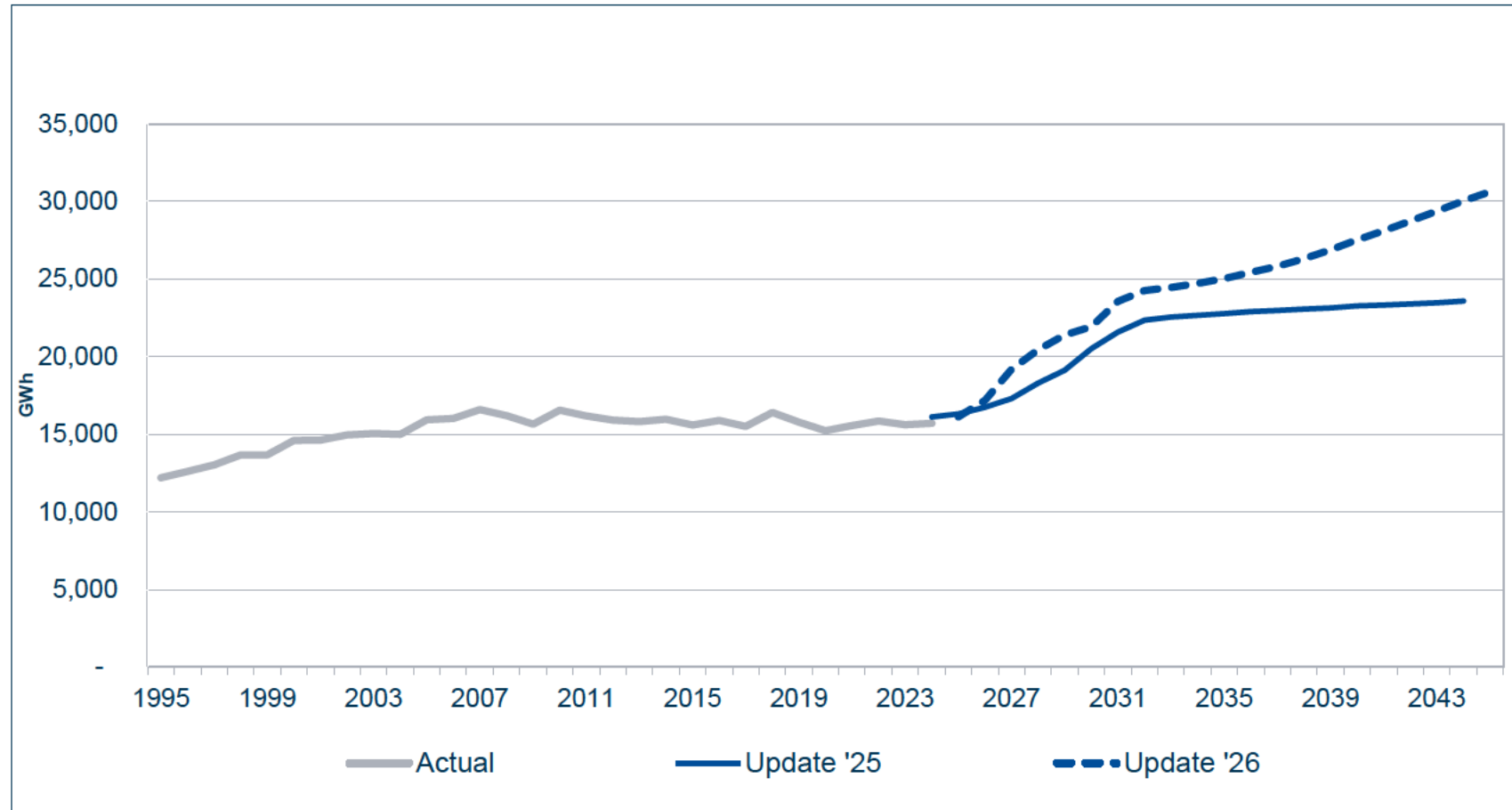


Changes in Inputs to Load Forecasting Models

- Model methodology – Statistical Adjusted End-use (SAE)
- Historical data for customers, kWh and \$/kWh: ending May 2025
- DOE forecasts of appliance and equipment saturations and kWh/unit: Annual Energy Outlook (“AEO”) 2025.
- Updated Economic forecasts from Moody’s Analytics, historical data ending May 2025
- The Company also re-evaluated the output elasticity used in the commercial and industrial models and the elasticity used in the residential model. Adjustments made were to improve the model fit.
- Company utilized EPRI electric vehicle study within its modeling (2025).
- The Load Forecast includes a low scenario, a high scenario and a High Electrification scenario in addition to the base case forecast.
 - The low and high scenarios are the product of low and high growth Economic Forecast assumptions.
 - The High Electrification scenario includes: high growth Economic assumptions, EPRI electric vehicle high case adoption, 1898 Electrification forecast and assumptions for increased adoption of electric space heat and electric water heat in Residential and Commercial buildings.
- EIA data includes EE impact from IRA that relate to tax credits. Currently the impact is very small.
- Evergy Metro includes three large customers and Evergy West includes five large customers

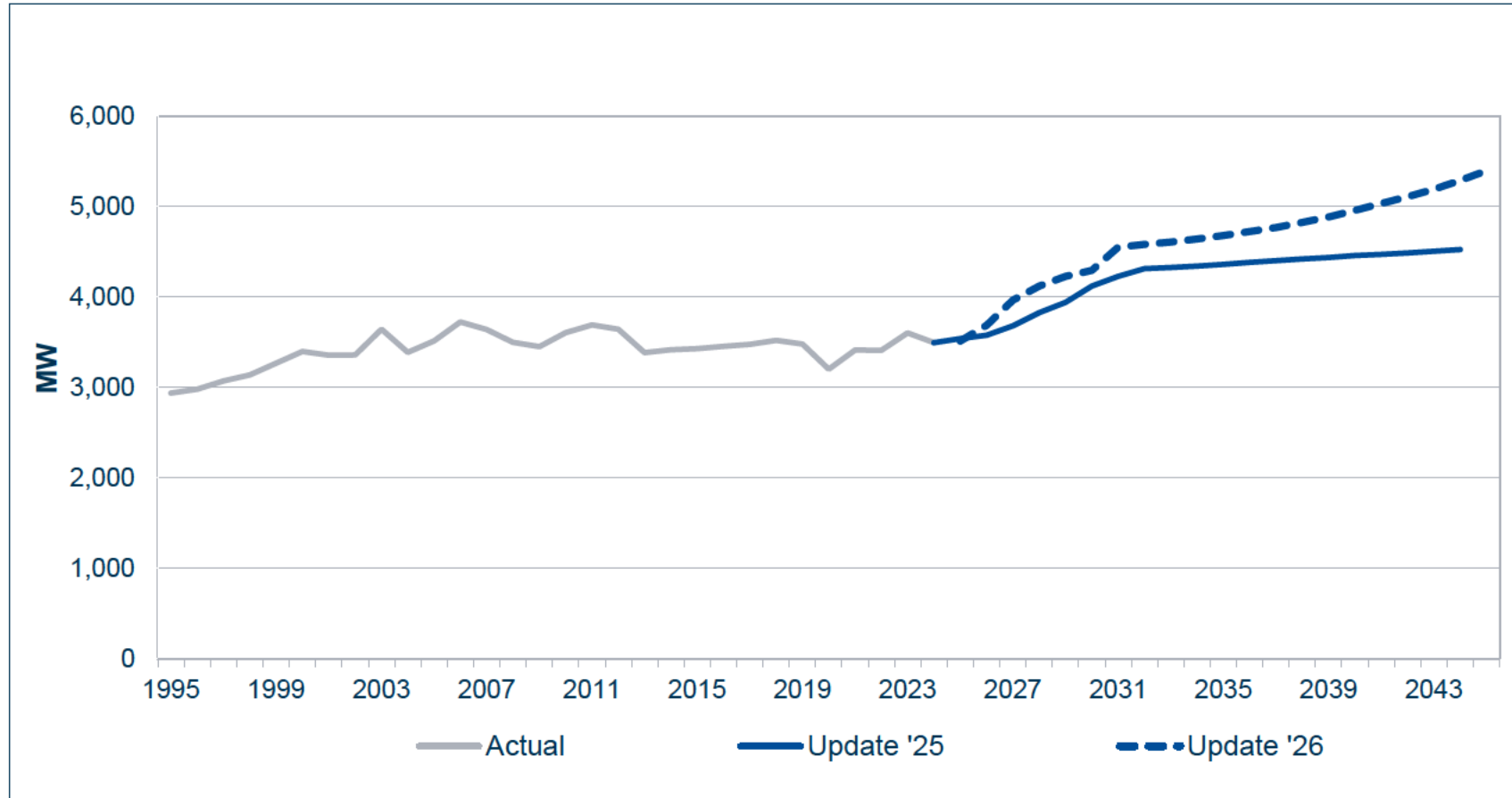


Evergy Metro Historical and Comparison of Mid-Case Forecasts of Net System Input, Excluding future DSM Impacts





Evergy Metro Historical and Comparison of Mid-Case Forecasts of Demand, Excluding future DSM Impacts





Evergy Metro Mid-Case Forecast

Gross NSI (MWh) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP Update
5 Yrs	6.34%	3.54%
10 Yrs	4.50%	3.50%
15 Yrs	3.63%	2.46%
20 Yrs	3.26%	1.94%

Gross Peak (MW) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP Update
5 Yrs	4.10%	2.06%
10 Yrs	2.91%	2.01%
15 Yrs	2.32%	1.48%
20 Yrs	2.17%	1.21%

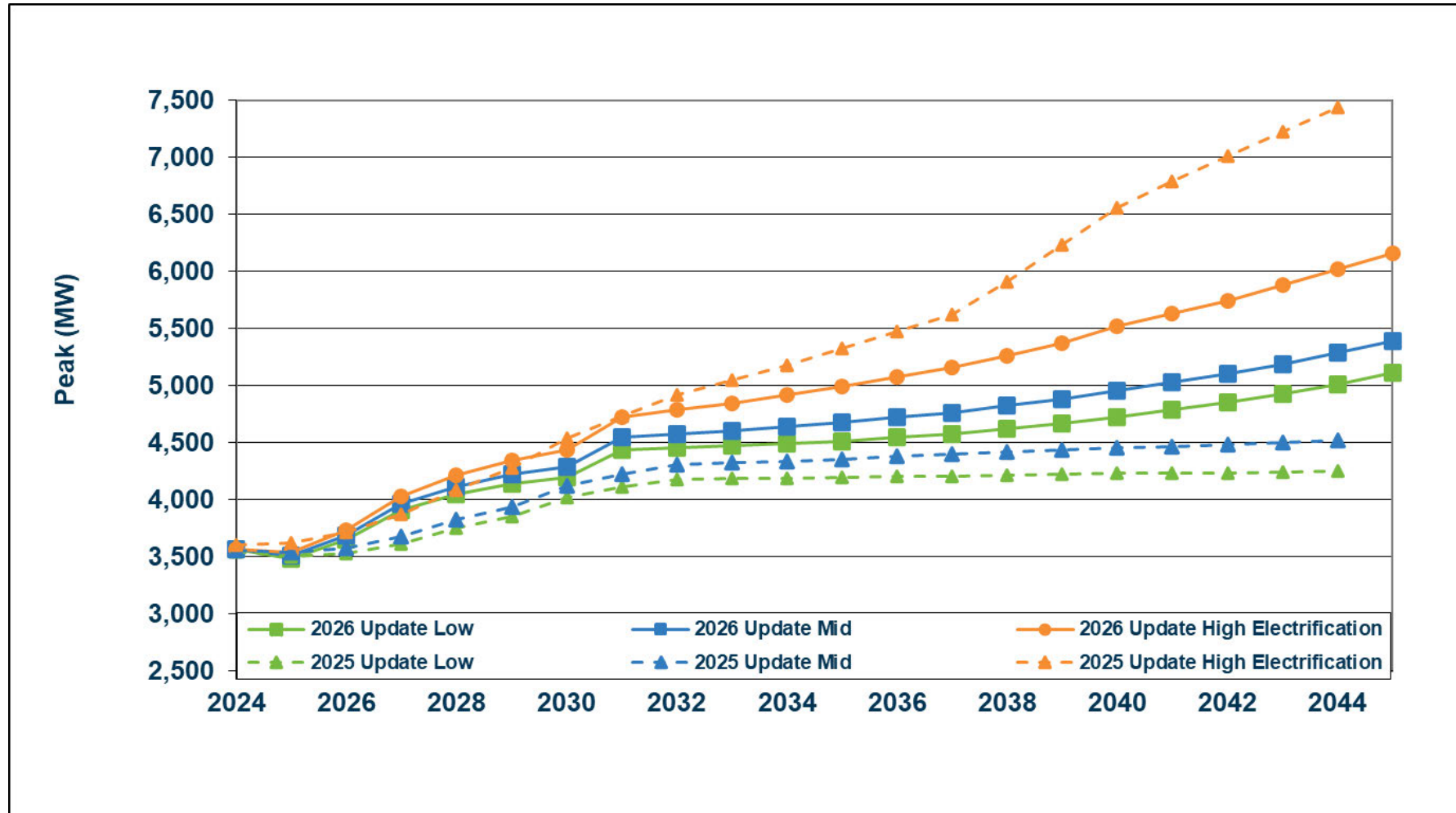
Excluding Large Load		
Gross Native Load (MWh) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP
5 Yrs	0.93%	1.04%
10 Yrs	1.15%	0.82%
15 Yrs	1.63%	0.73%
20 Yrs	1.94%	0.66%

Excluding Large Load		
Gross Peak (MW) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP
5 Yrs	0.75%	0.55%
10 Yrs	0.78%	0.52%
15 Yrs	1.00%	0.52%
20 Yrs	1.26%	0.51%



Peak Forecasts – 2026 Annual Update vs. 2025 Annual Update

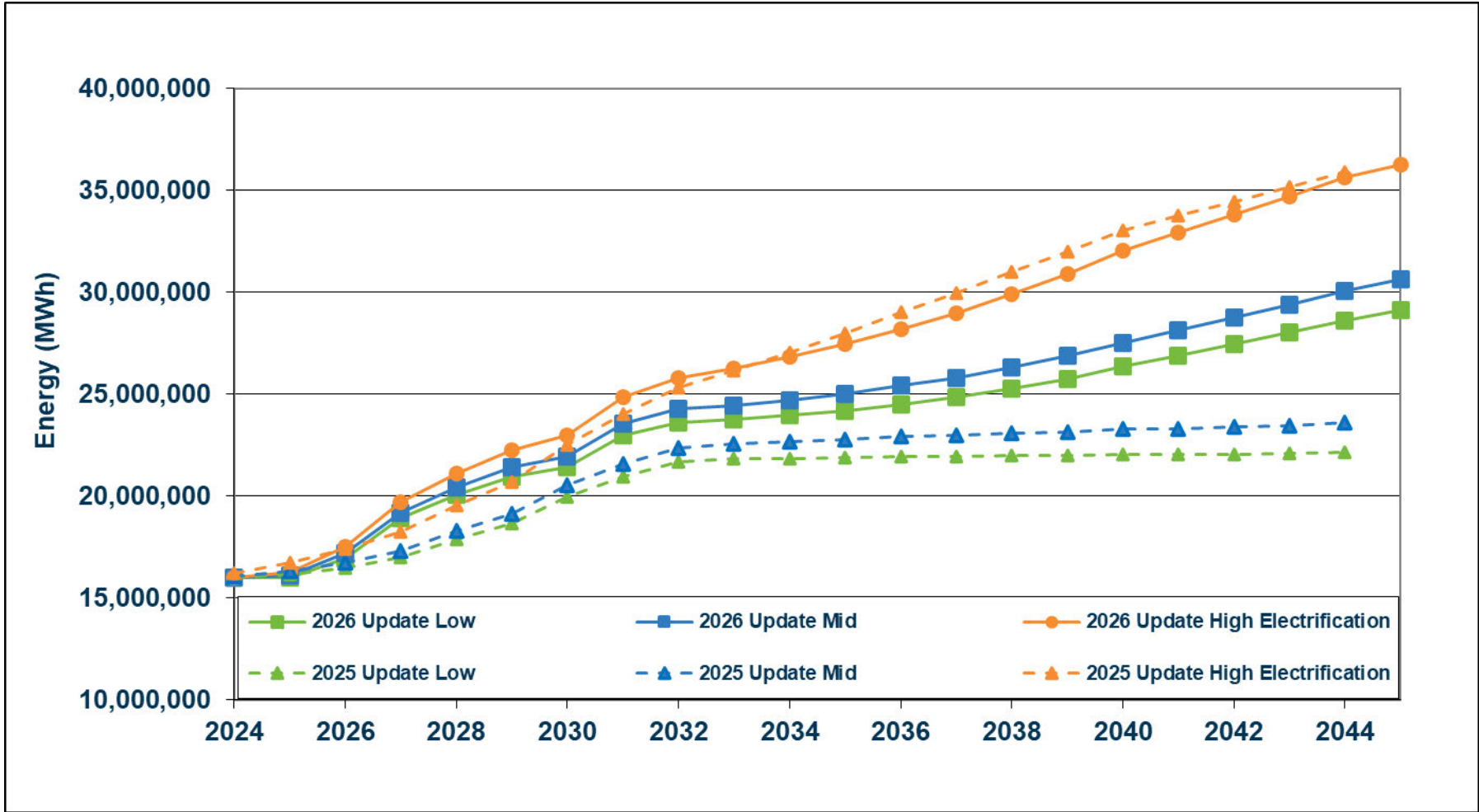
Energy Metro





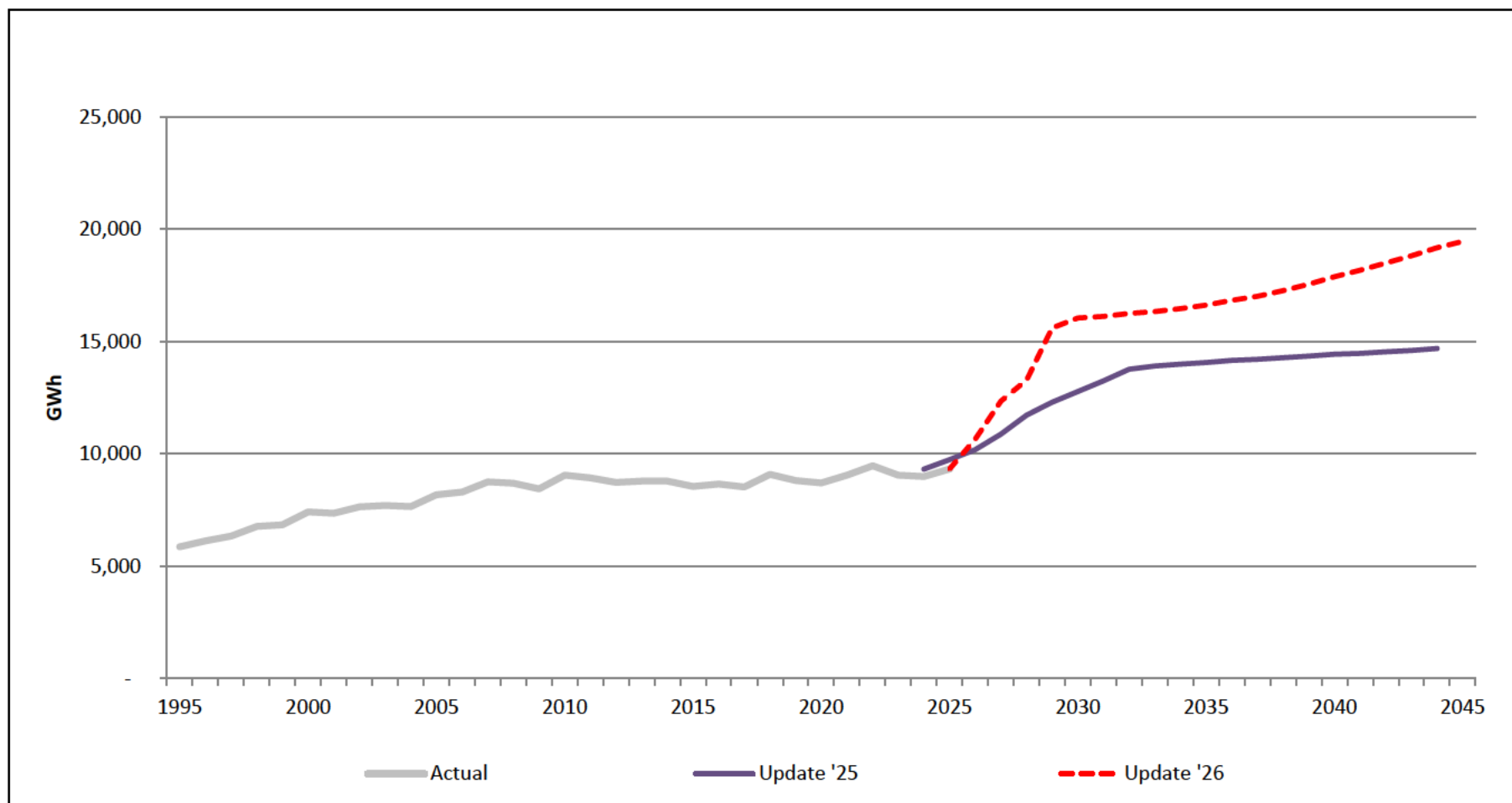
Energy Forecasts – 2026 Annual Update vs. 2025 Annual Update

Energy Metro



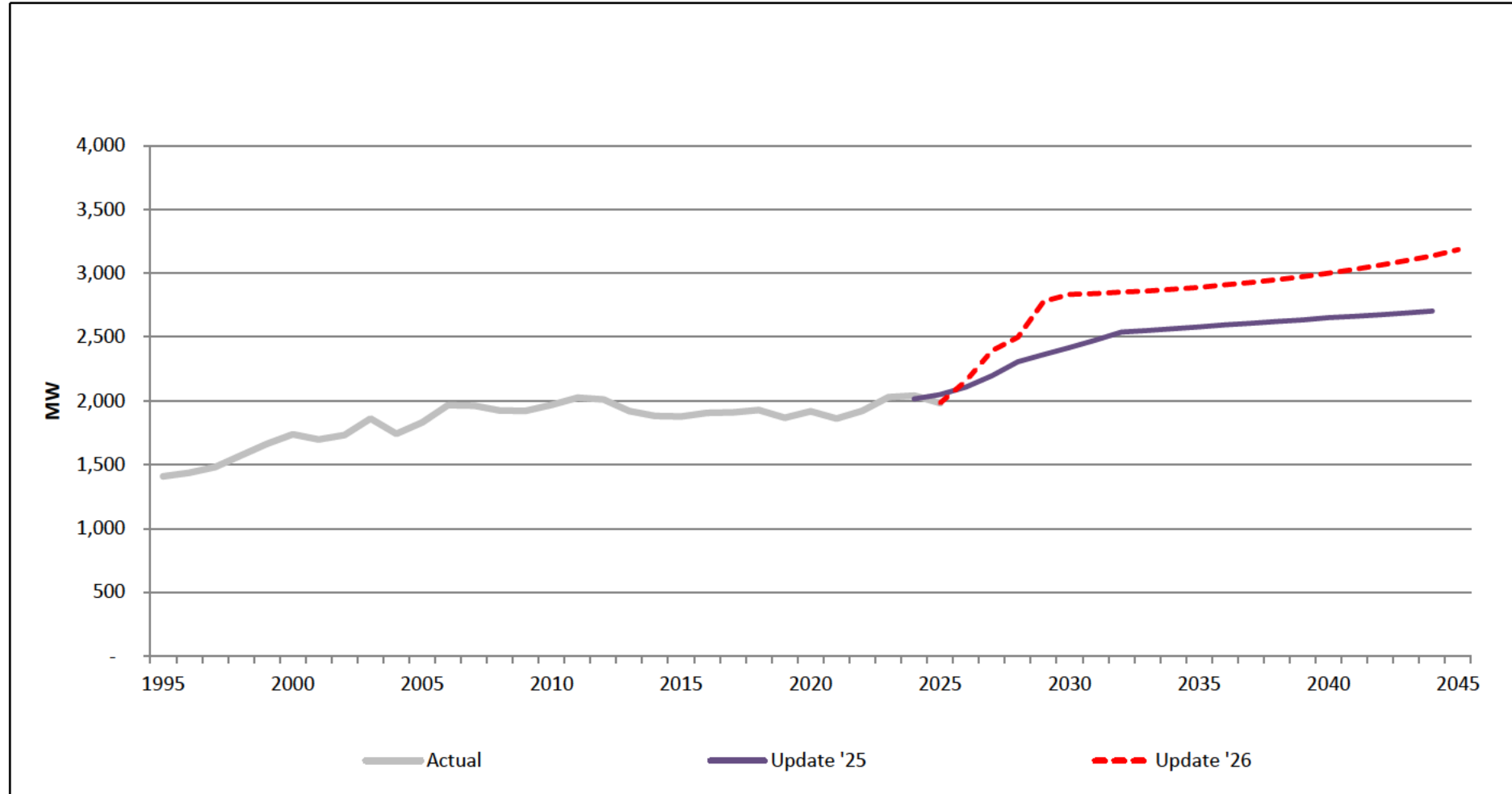


Evergy Missouri West Historical and Comparison of Mid-Case Forecasts of Net System Input, Excluding future DSM Impacts





Evergy Missouri West Historical and Comparison of Mid-Case Forecasts of Demand, Excluding future DSM Impacts





Evergy MO West Mid-Case Forecast

Gross NSI (MWh) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP Update
5 Yrs	11.45%	5.70%
10 Yrs	5.95%	4.14%
15 Yrs	4.44%	2.92%
20 Yrs	3.74%	2.30%

Gross Peak (MW) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP Update
5 Yrs	7.41%	3.23%
10 Yrs	3.83%	2.44%
15 Yrs	2.80%	1.80%
20 Yrs	2.40%	1.48%

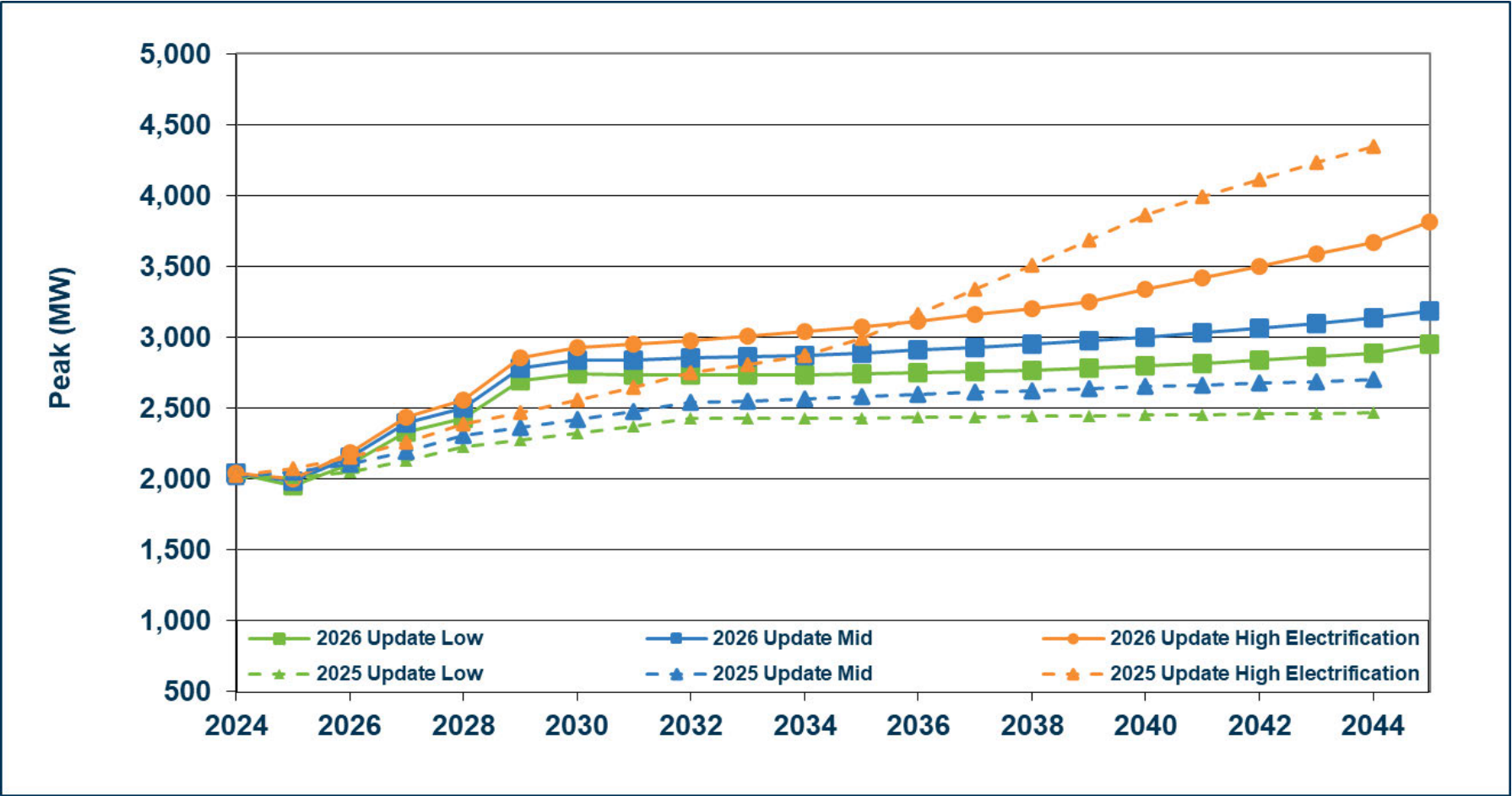
Excluding Large Load		
Gross Native Load (MWh) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP
5 Yrs	0.75%	0.73%
10 Yrs	0.96%	0.70%
15 Yrs	1.41%	0.70%
20 Yrs	1.71%	0.69%

Excluding Large Load		
Gross Peak (MW) - Forecast		
Forecast Year	2026 IRP Update	2025 IRP
5 Yrs	0.45%	0.41%
10 Yrs	0.49%	0.49%
15 Yrs	0.68%	0.55%
20 Yrs	0.91%	0.57%



Peak Forecasts – 2026 Annual Update vs. 2025 Annual Update

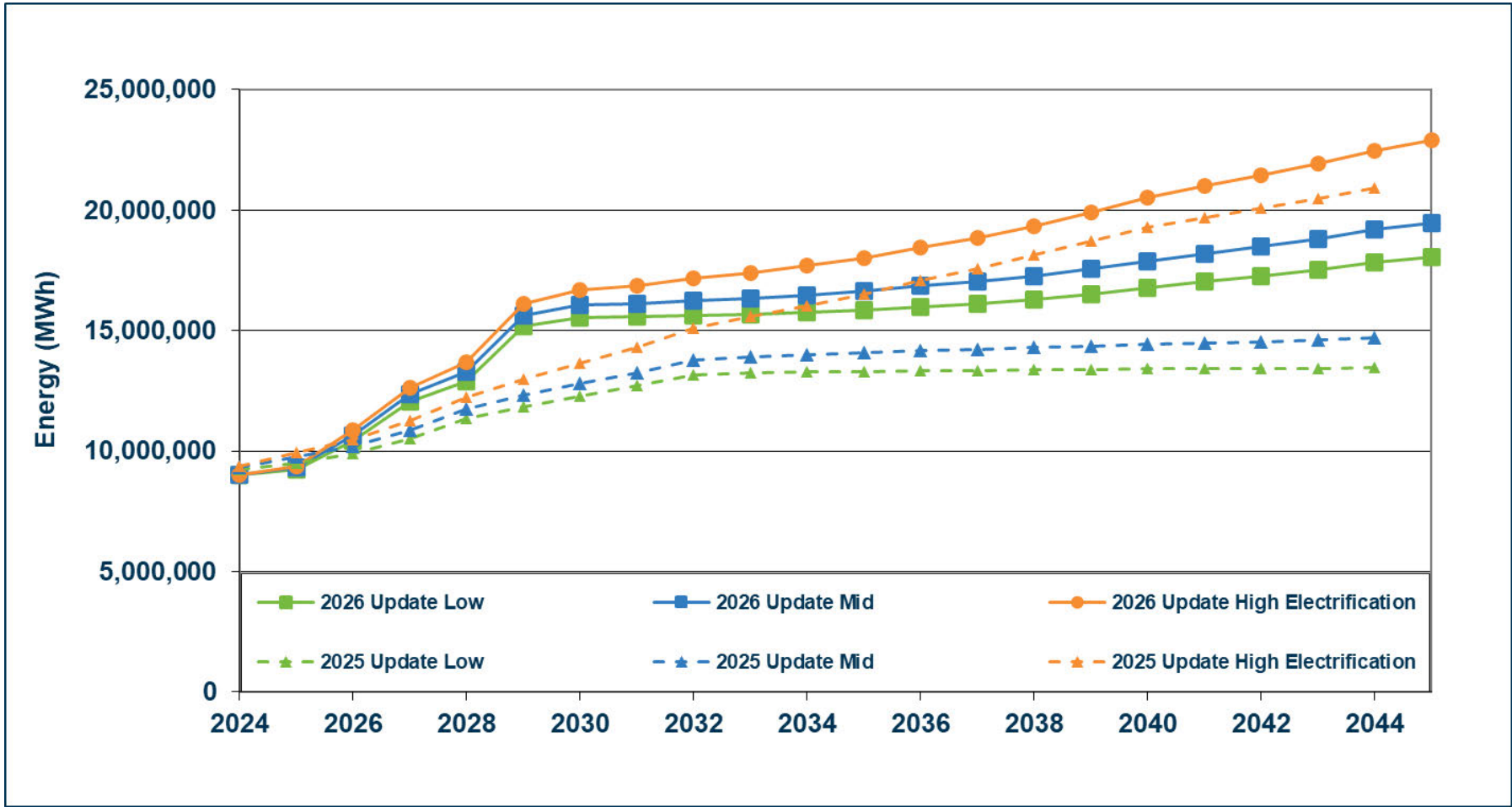
Energy Missouri West





Energy Forecasts – 2026 Annual Update vs. 2025 Annual Update

Energy Missouri West



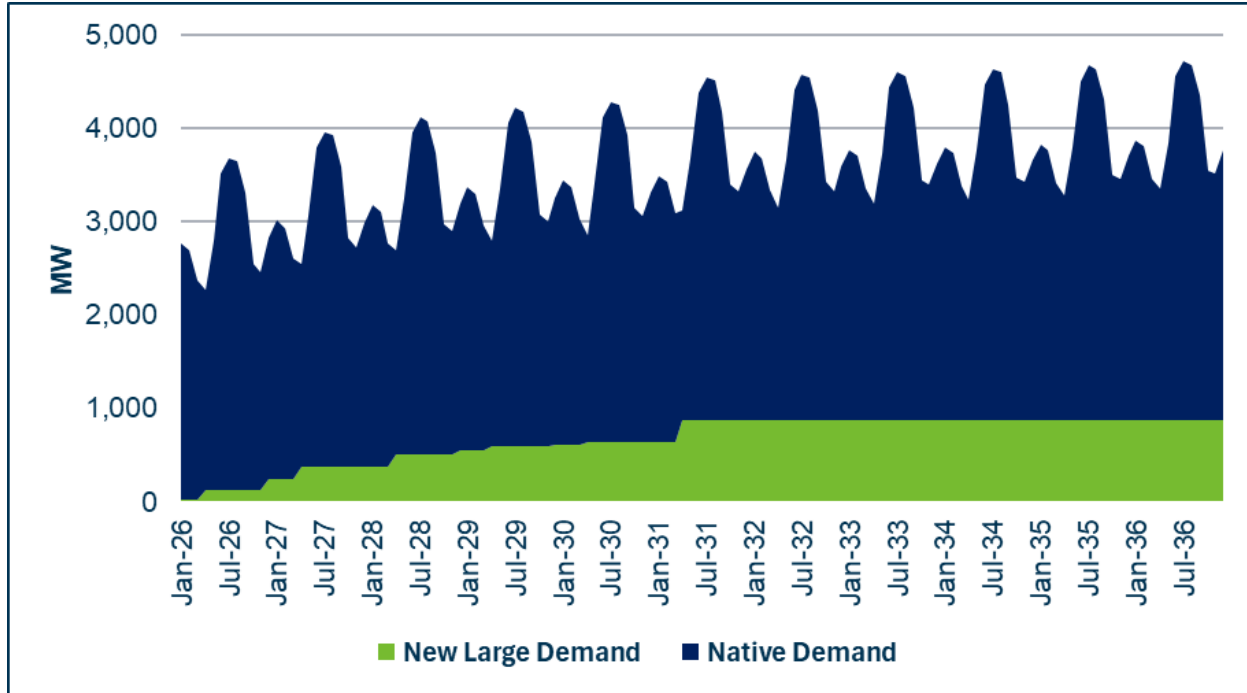


Large Customer Load in Base Forecast

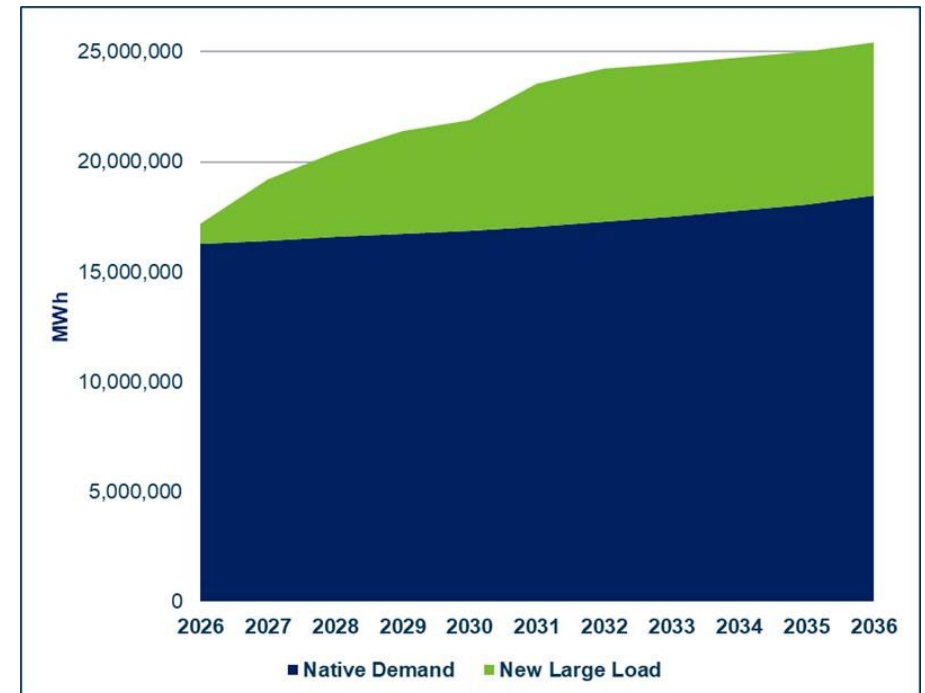
- Evergy has a large pipeline of prospective new large load customers, but not all are included in base load planning until certain progress on Evergy's internal review process has been met to avoid exposing our Preferred Plan to unnecessary risks.
- Criteria for inclusion in base forecast:
 - Recently commenced service from Evergy,
 - Executed ESA under LLPS, or
 - Finalized SPP load addition study (typically AQ) and expect to have an executed LLPS ESA within the next 3-6 months
- Evergy Metro
 - Three large loads peaking at ~900 MW
 - One customer already taking service under LLPS
 - One customer currently below LLPS threshold and is already taking service under existing large power service tariff
 - One customer in final LLPS commercial negotiation stages, SPP study complete
- Evergy Missouri West
 - Five large loads peaking at ~800 MW
 - Three customers that have executed ESAs under LLPS
 - One customer currently below LLPS threshold taking service under large power service tariff
 - Additional customer below LLPS threshold, expected to begin service this year

Evergy Metro Peak Large Customer Load

Peak MW Load Forecast Including New Large Load



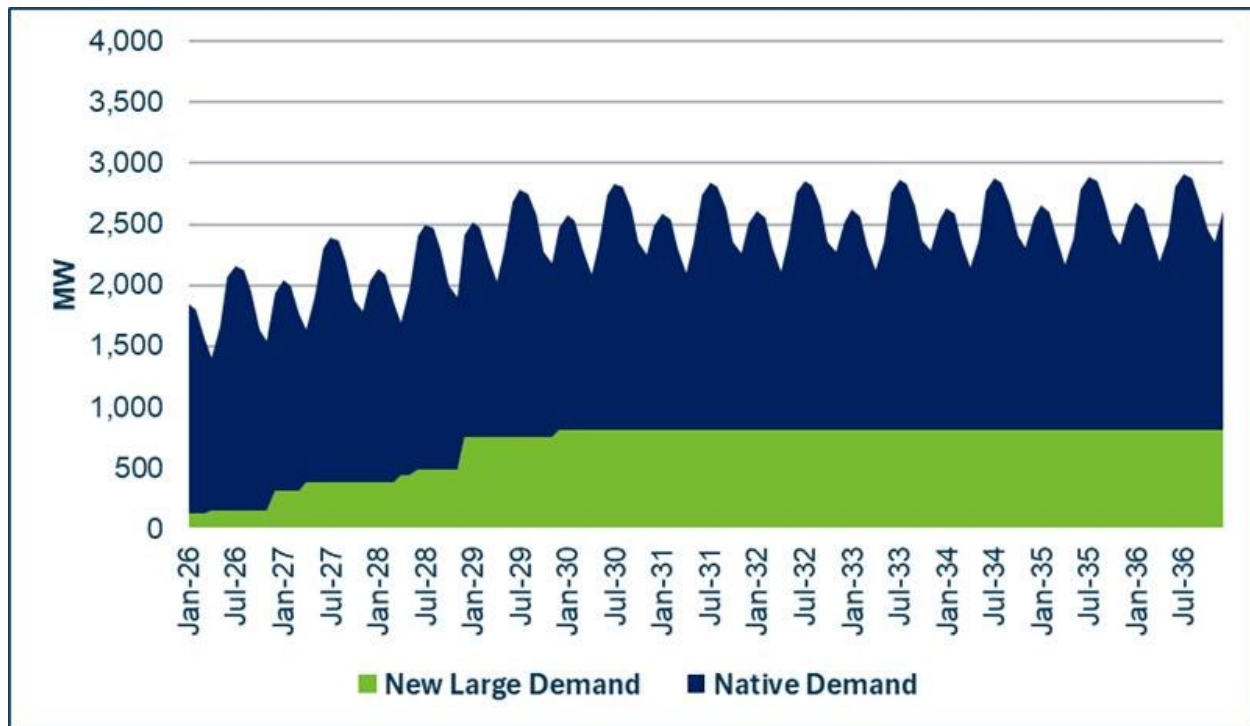
Energy MWh Load Forecast Including New Large Load



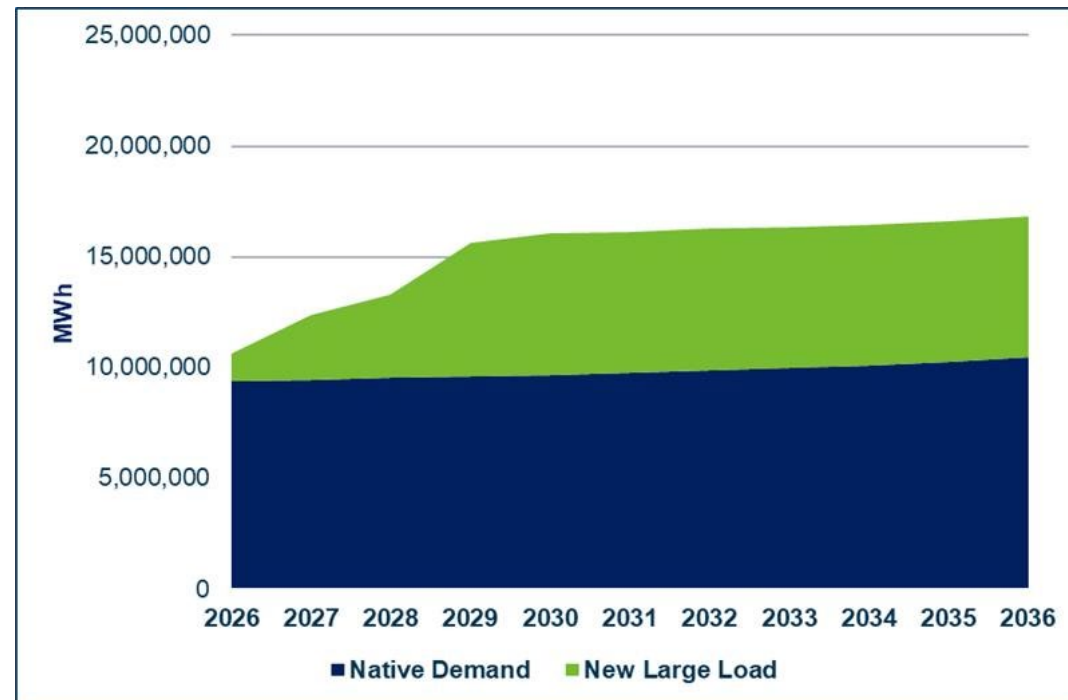
Each of the base planning scenarios studied in this 2026 IRP includes the new large loads starting ramp in 2026, reaching peaks by 2032, and continuing at the peak load in the early-2030s through the end of the 20-year planning period.

Evergy Missouri West Large Customer Load

Peak MW Load Forecast Including New Large Load



Energy MWh Load Forecast Including New Large Load



Each of the base planning scenarios studied in this 2026 IRP includes the new large loads starting ramp in 2026, reaching peaks by 2032, and continuing at the peak load in the early-2030s through the end of the 20-year planning period.

Supply-Side Analysis





2026 IRP Defers Baseload Retirements

|----- 2025 IRP Planned Retirements -----|

|----- 2026 IRP Planned Retirements -----|



2028

2030

2032

2034

2036

2038

2040

Given changes in environmental regulations, deferring baseload retirements by 5+ years helps meet capacity needs starting in the early-2030's with a focus on affordability and reliability for Evergy's customers



Availability Of New Generation Resources

- Thermal
 - Development lead time of 5-7 years, driven by turbine and equipment manufacturing
 - Mullin Creek #2 can achieve Winter 2030/31 operation due to ERAs queue position and limited notice to proceed with suppliers
 - One large viable project in RFP for Summer 2031
 - Smaller reciprocating engine turbines considered, also subject to backlog
- Renewables / Storage
 - Considering self-development, co-location (storage) and viable RFP projects
 - Local opposition creates risks of delays or project cancellation
 - Permitting challenges
 - Moratoriums
 - Shortened timeline to qualify for Production Tax Credits
 - Battery sourcing subject to FEOC compliance to receive Investment Tax Credits
 - Transmission/distribution components can have lead time of 2-3 years



Maximum MW Available Everygy Metro

Base Build Limit Assumptions

Year	Solar	Wind	Battery	CC	CT	RICE
2027	n/a	n/a	n/a	n/a	n/a	n/a
2028	150 MW PTC	n/a	n/a	n/a	n/a	n/a
2029	150 MW	n/a	150 MW	n/a	n/a	n/a
2030	150 MW	150 MW	150 MW	n/a	n/a	n/a
2031	150 MW	150 MW	150 MW	710 MW	Mullin Creek #2	373 MW
2032	300 MW	150 MW	300 MW	710 MW	n/a	373 MW
2033+	300 MW	150 MW	300 MW	355 MW	440 MW	373 MW

Note: Each year shown represents the MW available by resource type in that year and following years until the next year shown in the table, which represents updated constraints.



Maximum MW Available Everyy Missouri West

Base Build Limit Assumptions

Year	Solar	Wind	Battery	CC	CT	RICE
2027	Foxtrot, Sunflower Sky	n/a	n/a	n/a	n/a	n/a
2028	n/a	n/a	n/a	n/a	n/a	n/a
2029	n/a	n/a	150 MW	Chisolm Trail*	n/a	n/a
2030	150 MW	150 MW	150 MW	McNew	Mullin Creek #1	n/a
2031	150 MW	150 MW	150 MW	710 MW	n/a	373 MW
2032	300 MW	150 MW	300 MW	710 MW	n/a	373 MW
2033+	300 MW	150 MW	300 MW	355 MW	440 MW	373 MW

Note: Each year shown represents the MW available by resource type in that year and following years until the next year shown in the table, which represents updated constraints.

* Also known as Viola

Review of Cost Assumption Sources – New Resources



Wind: Average price based on 2025 All Source Request for Proposal responses, confirmed with offer refresh; adjusted over time based on average cost curve from NREL and EIA



Solar: Average price based on 2025 All Source Request for Proposal responses, confirmed with offer refresh; adjusted over time based on average cost curve from NREL and EIA



Battery Storage: Average price based on 2025 All Source Request for Proposal responses; adjusted over time based on average cost curve from NREL and EIA



Natural Gas: Updated with construction costs and attributes with the latest information for combined cycle and simple cycle development projects; cost estimates include latest estimates for transmission interconnection, consistent with CCN filing

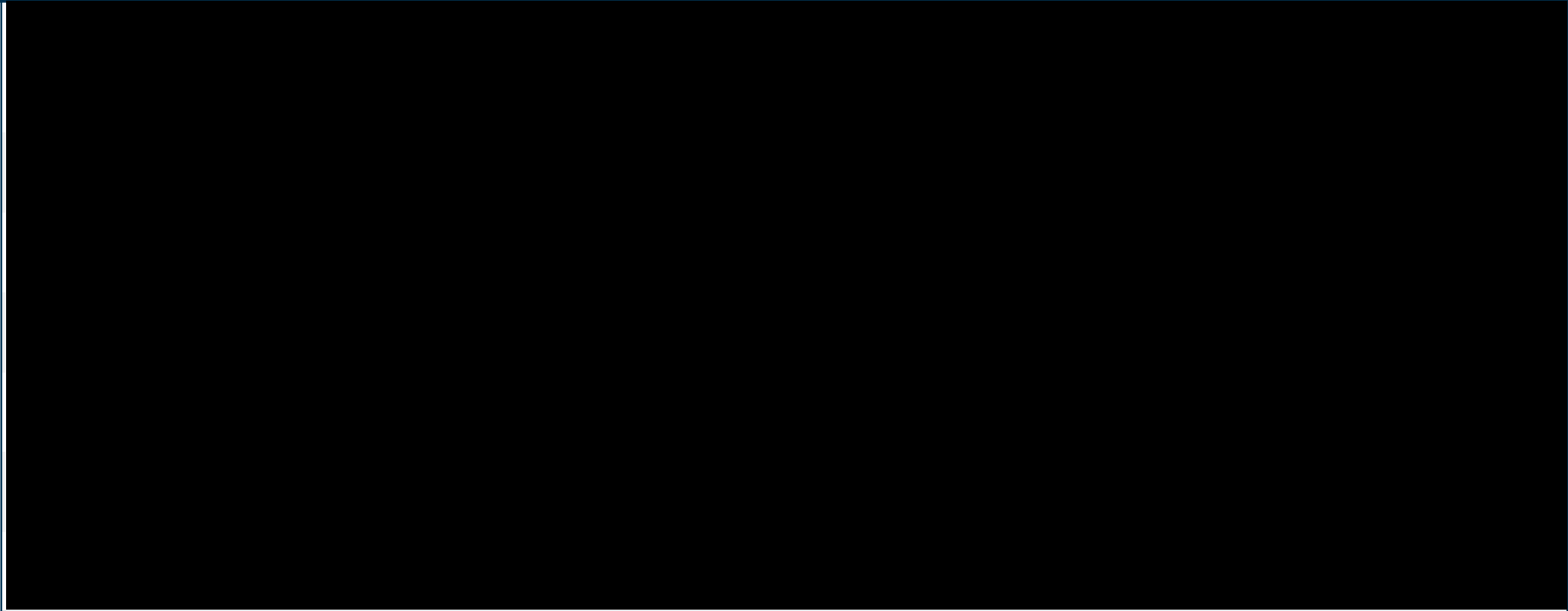


New Build Cost Assumptions

Primary Resource Options *******CONFIDENTIAL*******

2026 IRP Assumptions

2025 IRP Assumptions





CUF - Build and Interconnection Costs

- Same +/- 25% high and low forecast sensitivity as 2024 Triennial and 2025 Annual Update
- Evergy conducted an all-source RFP in 2025 to refresh thermal, renewable and storage costs
- Significant cost increases seen for projects in development
- Tariffs, policy changes, inflation, and supply & demand forces may contribute to future cost volatility

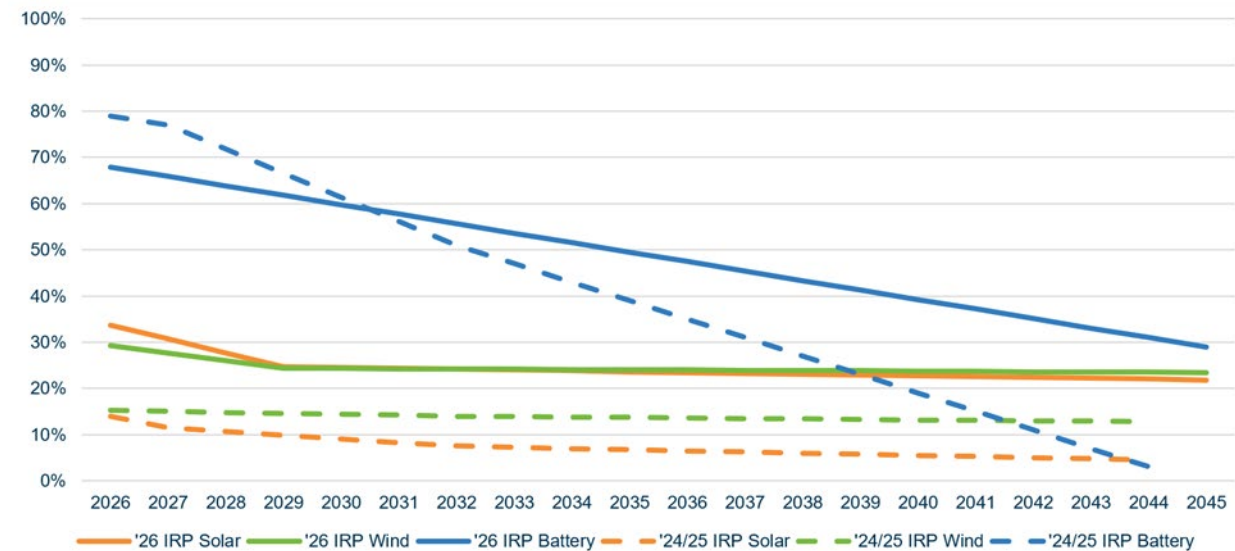
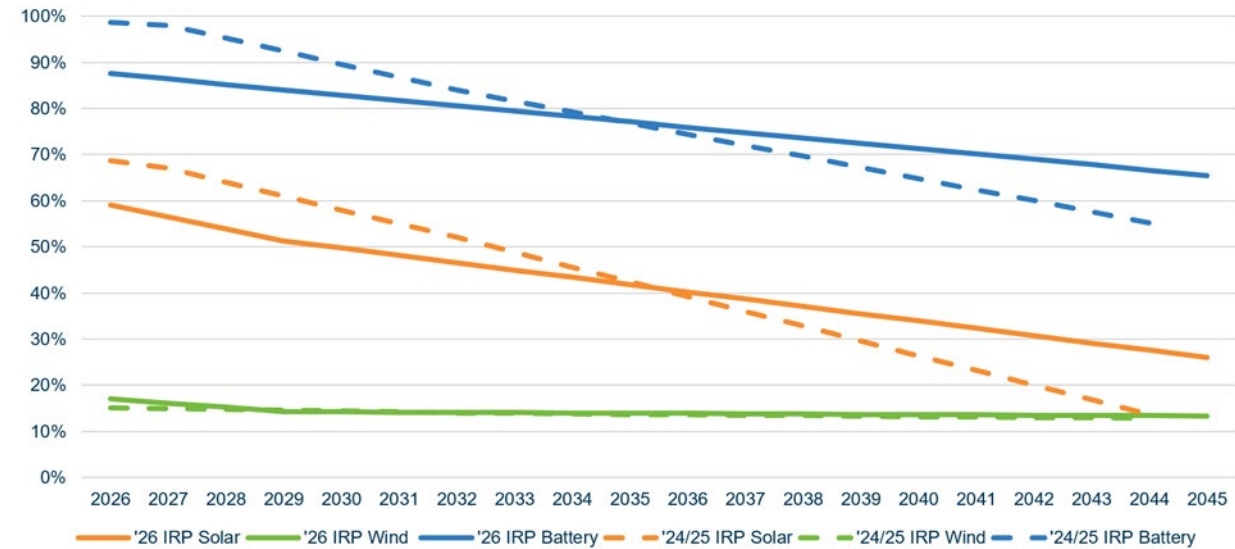
*****CONFIDENTIAL*****

Build Cost (\$/kW)	Interconnection Cost (\$/kW)	In-Service Year	Total Installed Cost Scenario Estimates (\$/kW)		
			Low	Mid	High



New Build Renewable and Storage Assumptions

- 2026 IRP ELCC curves have been updated based on data points from SPP's 2024 ELCC Study and 2025 LOLE Study, guided by the degradation curve used in prior IRPs.
- Overall, both renewable and storage resources have better winter accreditation.

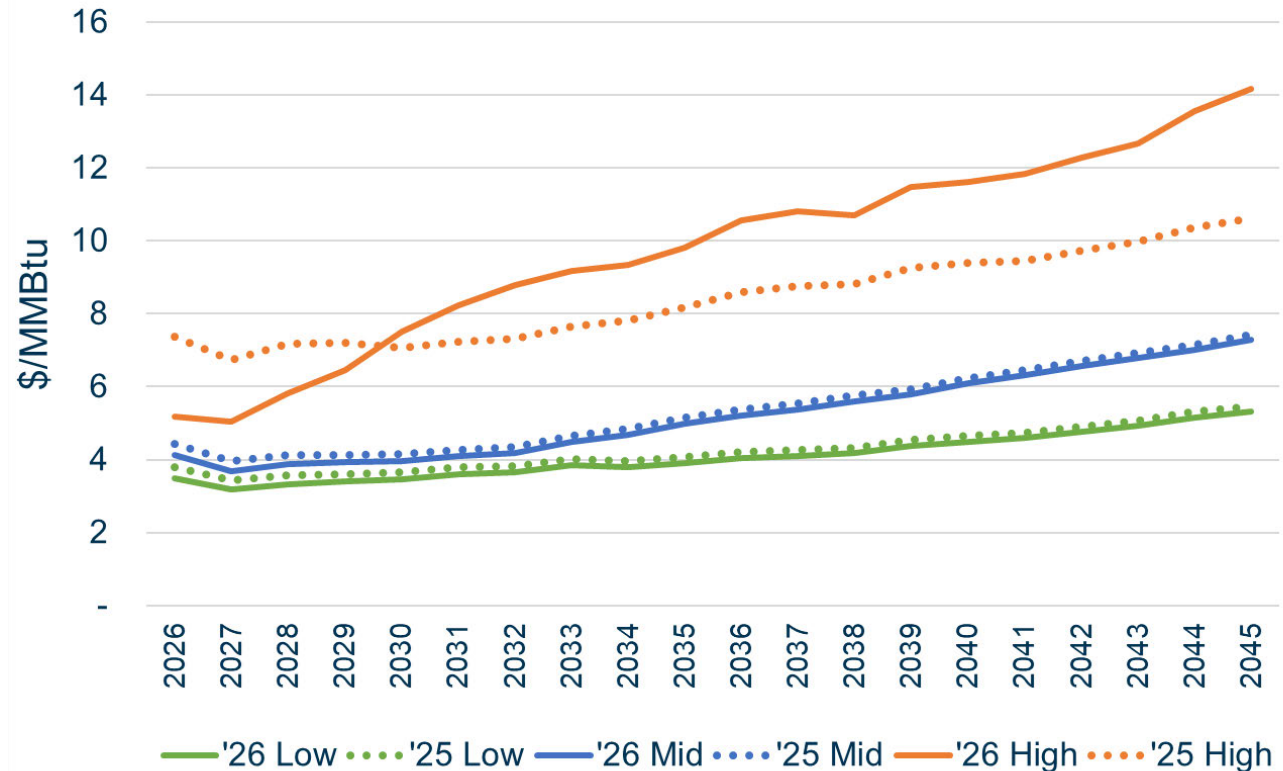




CUF - Natural Gas Price Forecasts

- 2026 forecasts have been updated based on vendor forecasts and forward markets.
- The mid case is scaled by the EIA's fundamental forecasts from the 2025 Annual Energy Outlook (AEO) to produce the high and low case.
- Low and mid cases were consistent with previous forecasts
- High case significantly increased

Figure 8: Natural Gas Price Forecasts 2026 IRP vs 2025 IRP





CUF - Legal Mandates / CO₂ Restriction

CO₂ Emissions Critical Factor Revised

- 2026 Update pivots to carbon emissions tax, with benchmark of RGGI program in Eastern US
- 2024 Triennial and 2025 Update modeled potential future Carbon Emission Reductions mandates
 - High – similar to GHG rule effects, very high renewable future resource mix in SPP
 - Mid – reductions matching expected SPP accelerated renewable transition

2026 IRP CO₂ Tax Levels (\$/ton)



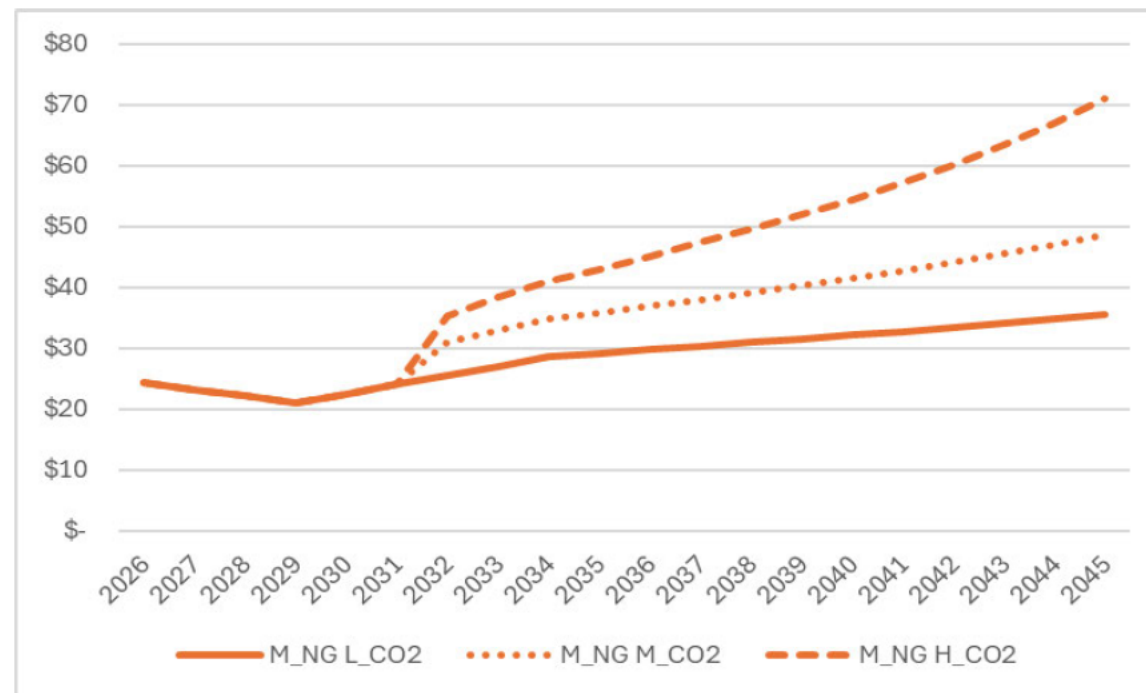


CUF - Legal Mandates / CO₂ Tax Impact on Planning

CO₂ Tax Increases Market Electricity Prices

- Carbon tax initiated in 2032.
- Price impact based on assumed marginal dispatch of 20% coal, 20% CC, 20% CT, and 40% non-emitting generators.
- Revised market prices modeled for load and generation.
 - Metro Load (example): mid tax adds \$5.44/MWh and high tax adds \$9.78/MWh to average price in 2032; price difference grows by 2045 to \$13.13/MWh for mid tax and \$35.54/MWh for high tax

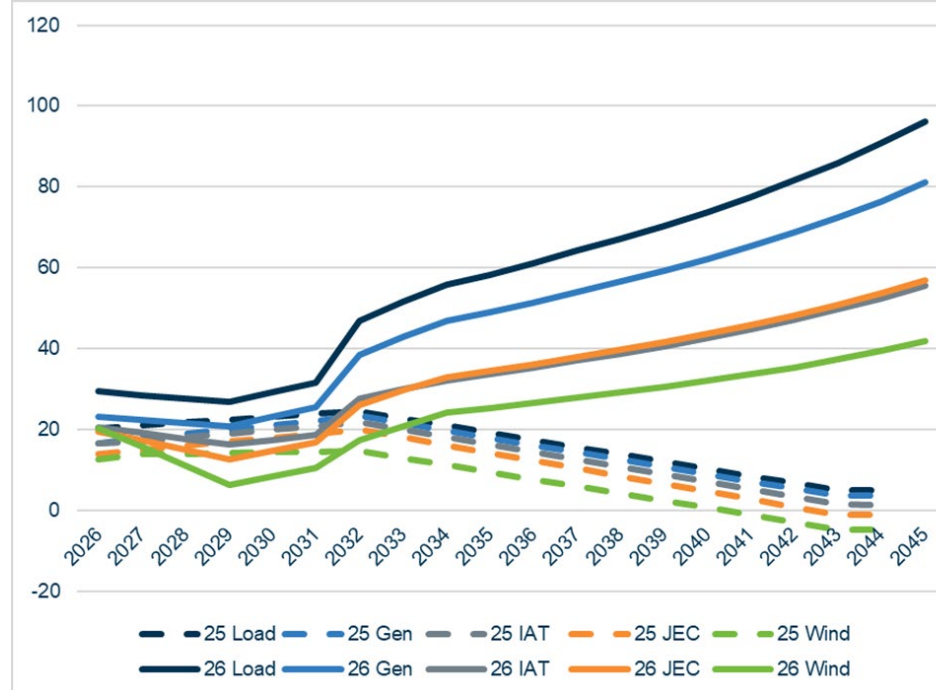
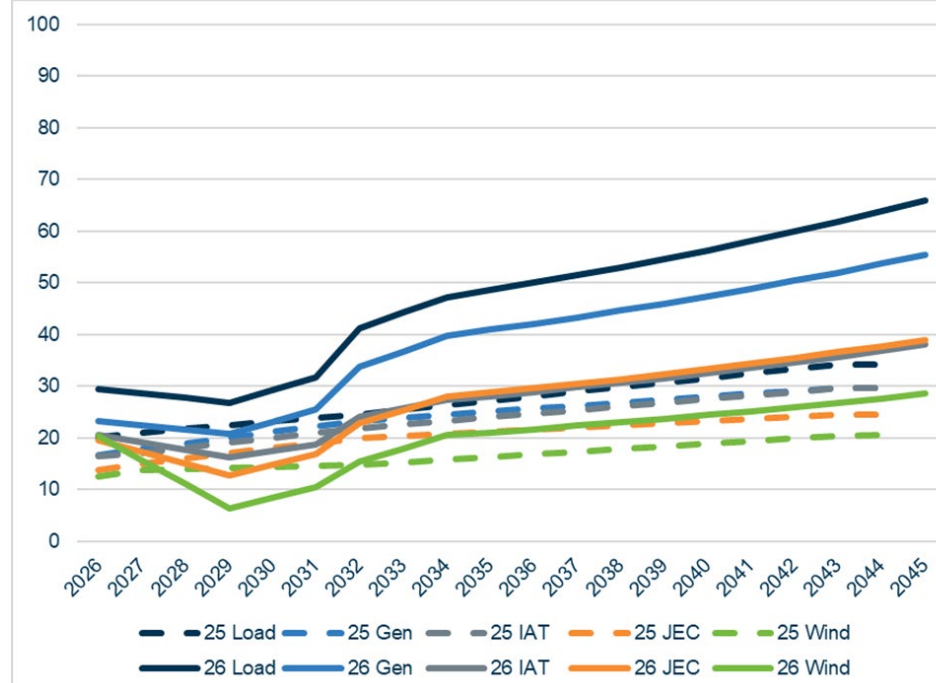
2026 IRP Evergy Metro Load Price (\$/MWh) with CO₂ Tax Levels





Market Price Assumptions

- 2026 forecasts have been updated based on 2025 SPP Integrated Transmission Planning (ITP) models
- Slower pace of thermal retirements and renewable additions in future resource mix assumptions
- High CO₂ price series no longer uses a high-renewable future resource mix, and instead implements a carbon tax, which raises prices





Critical Uncertain Factors and Probabilities

	Natural Gas Price	CO ₂ Emissions Restrictions	Construction Cost
Low	35%	25%	25%
Mid	50%	60%	50%
High	15%	15%	25%

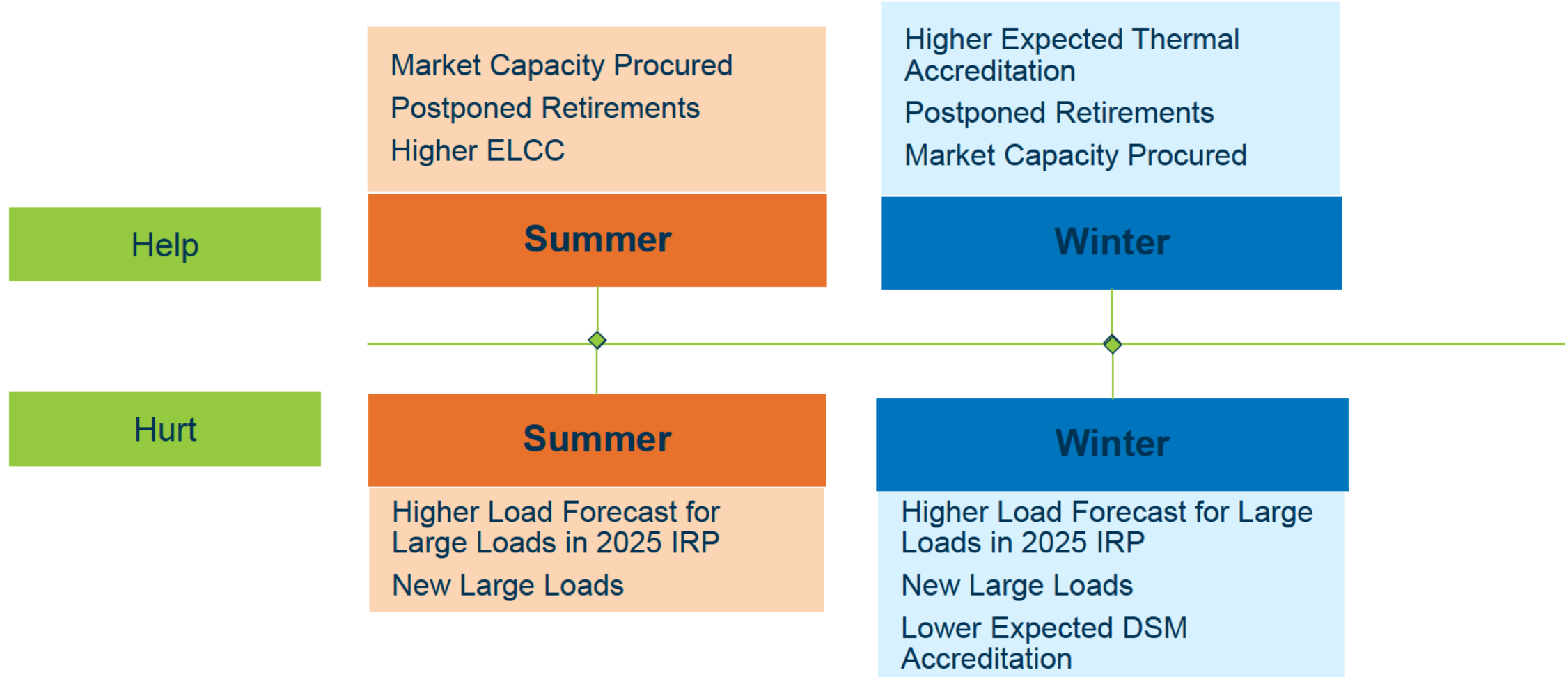
- Critical Uncertain Factors (CUF) and their probability weights are unchanged from the 2024 Triennial and 2025 Annual Update.
- Capacity expansion models continue to utilize the mid CUF forecasts unless otherwise noted.
- Optimized resource plans are then evaluated in each critical uncertain factor combination (endpoint) to determine the expected cost in that future.

Integrated Resource Analysis



Changes to capacity balance – Evergy Metro

Overall capacity need is similar to forecast from 2025 IRP

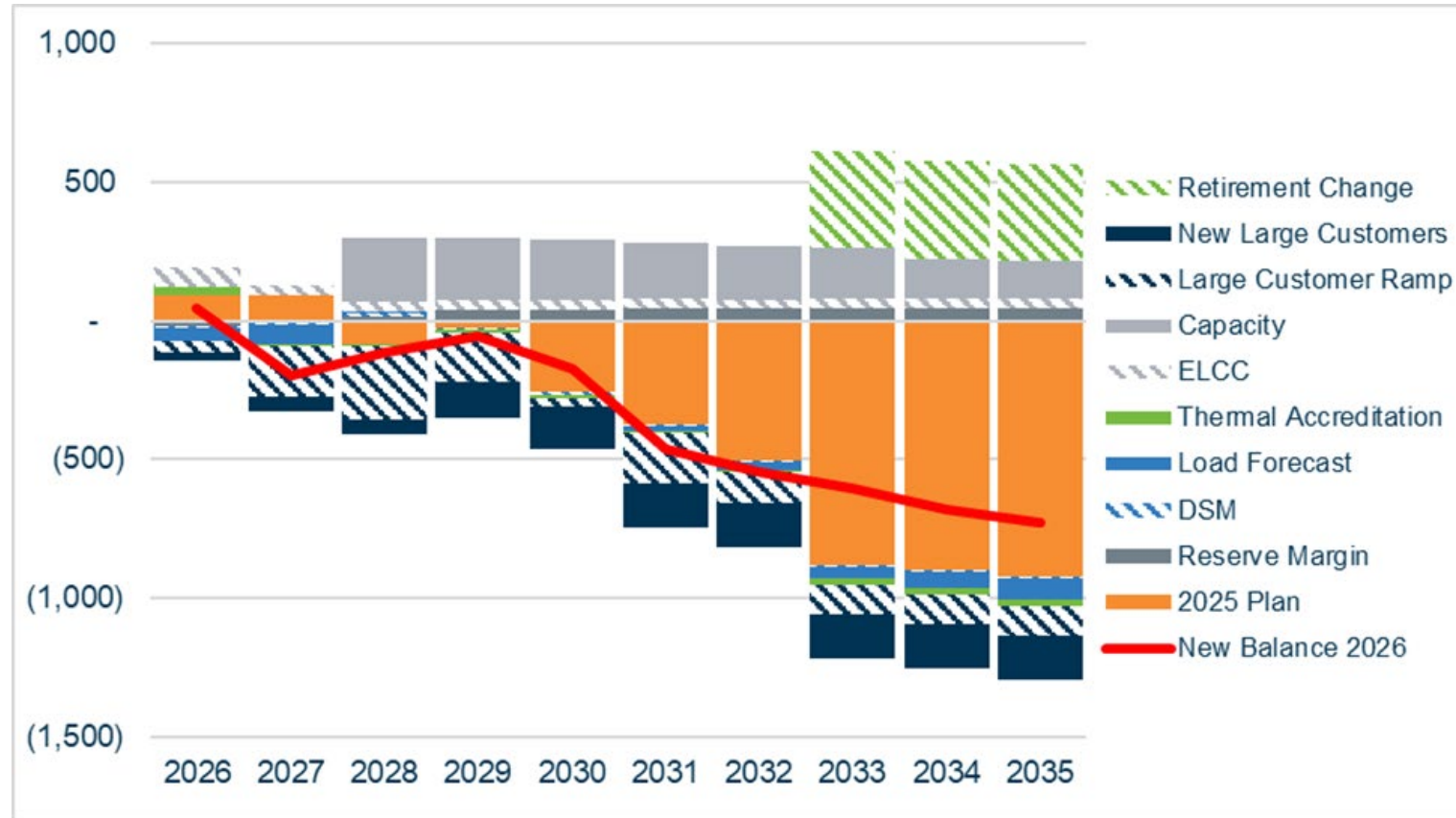




Evergy Metro Capacity Changes

2026 IRP -vs- 2025 IRP Forecasts

Changes to Summer Capacity Balance

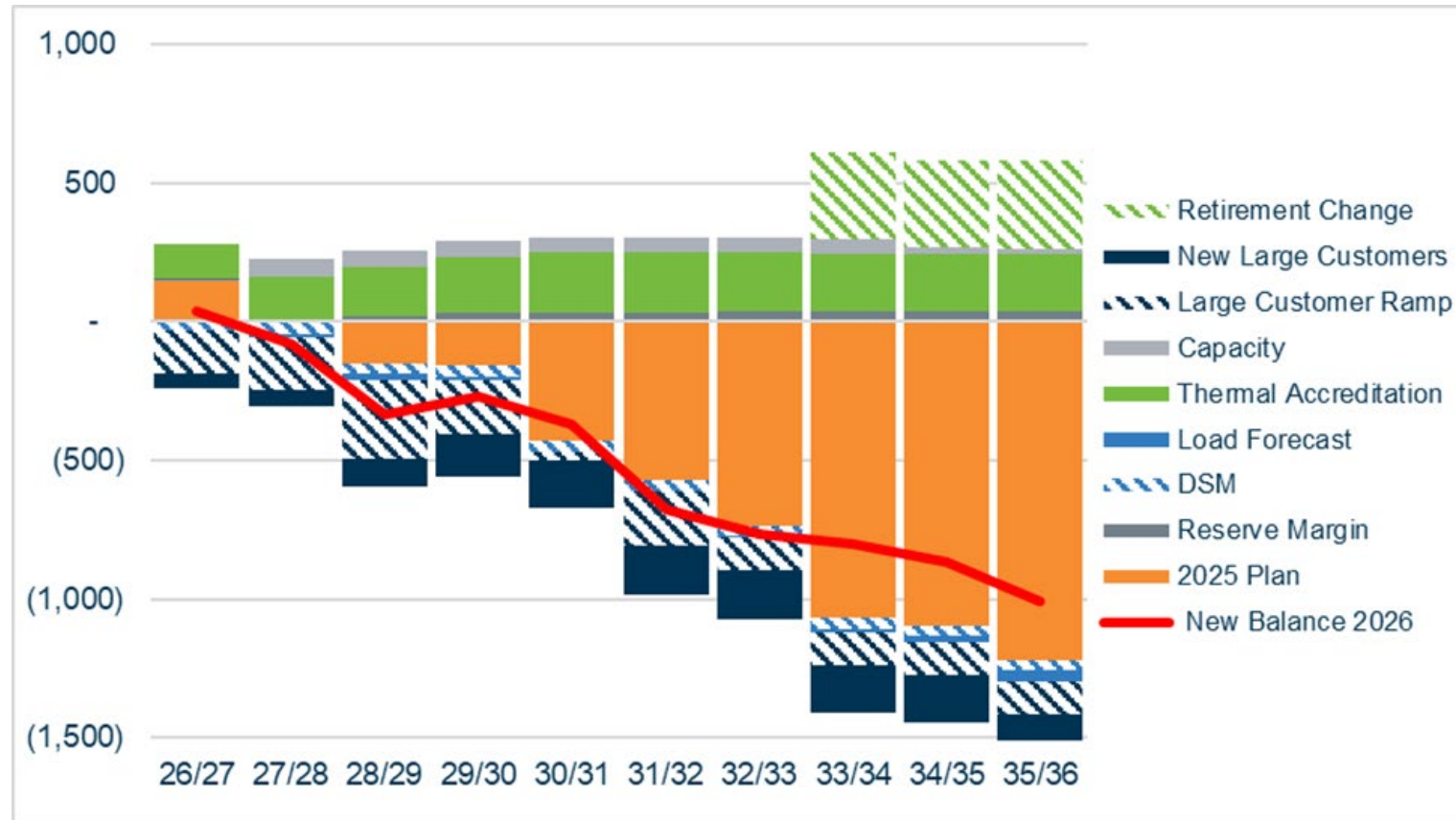




Evergy Metro Capacity Changes

2026 IRP -vs- 2025 IRP Forecasts

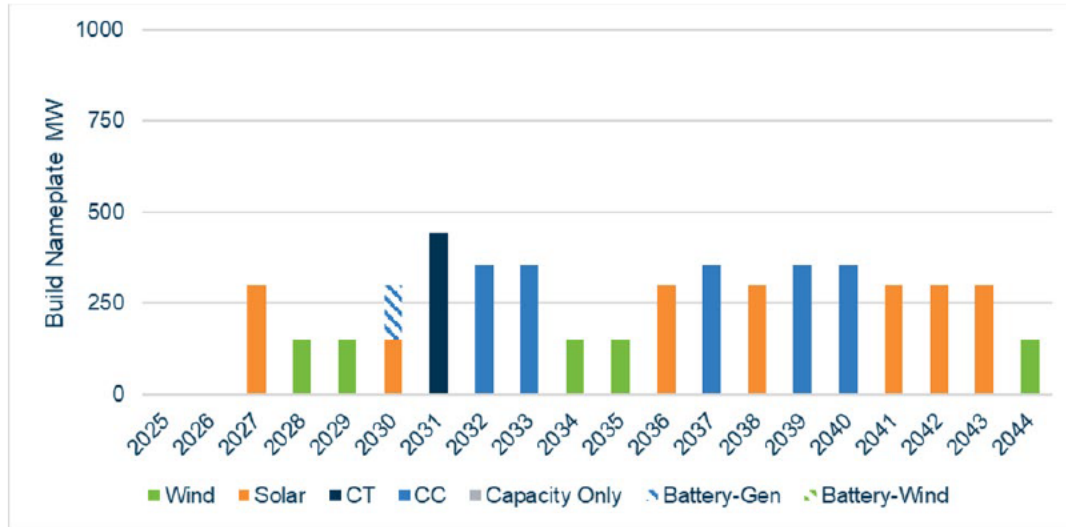
Changes to Winter Capacity Balance



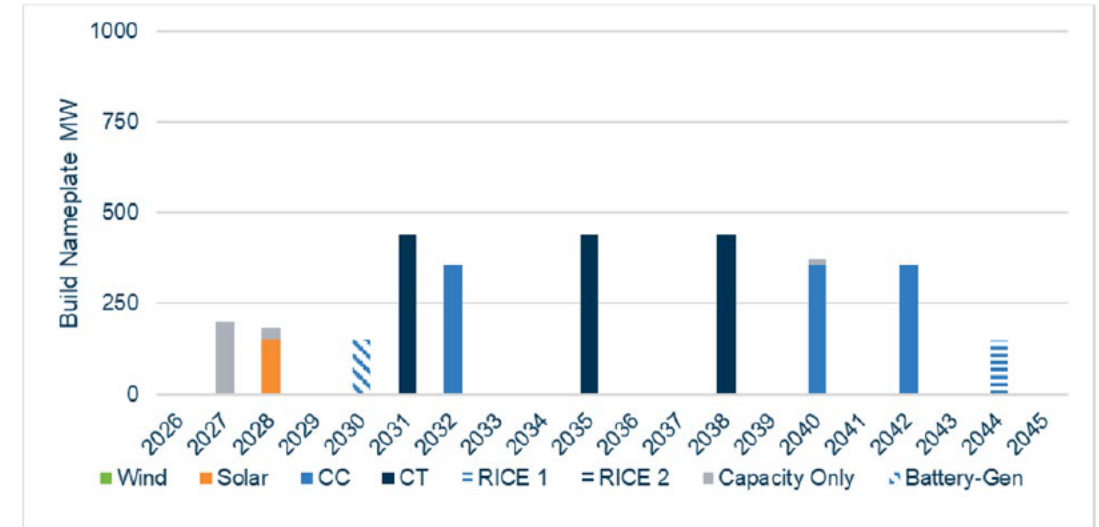


2026 Evergy Metro Preferred Plan

2025 IRP Preferred Plan

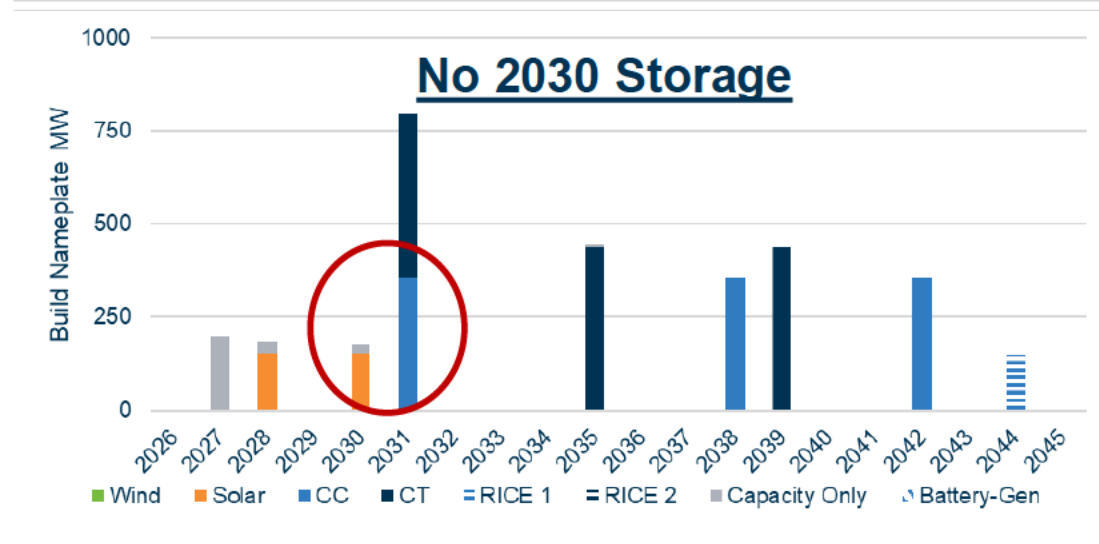
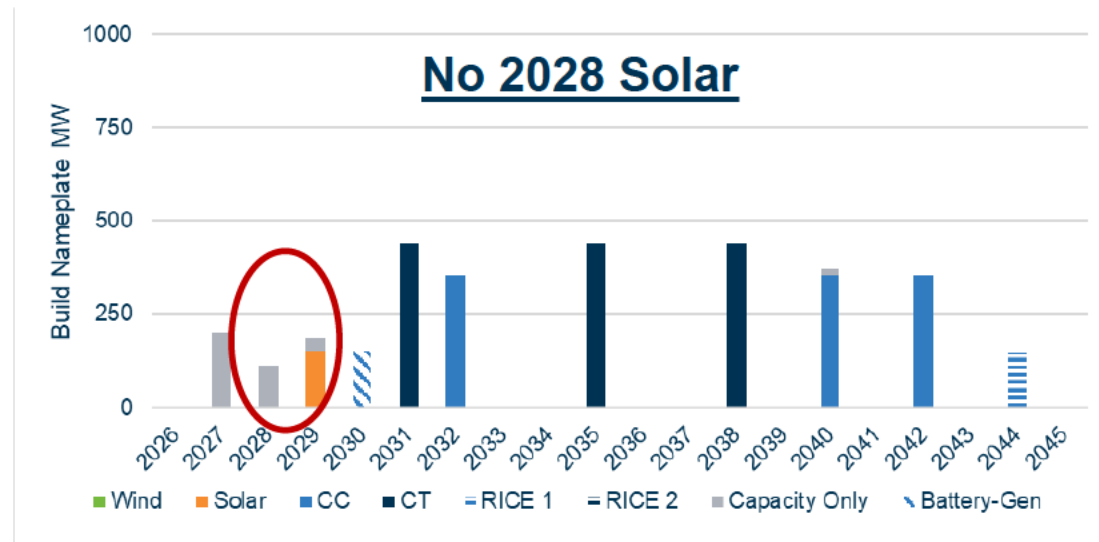
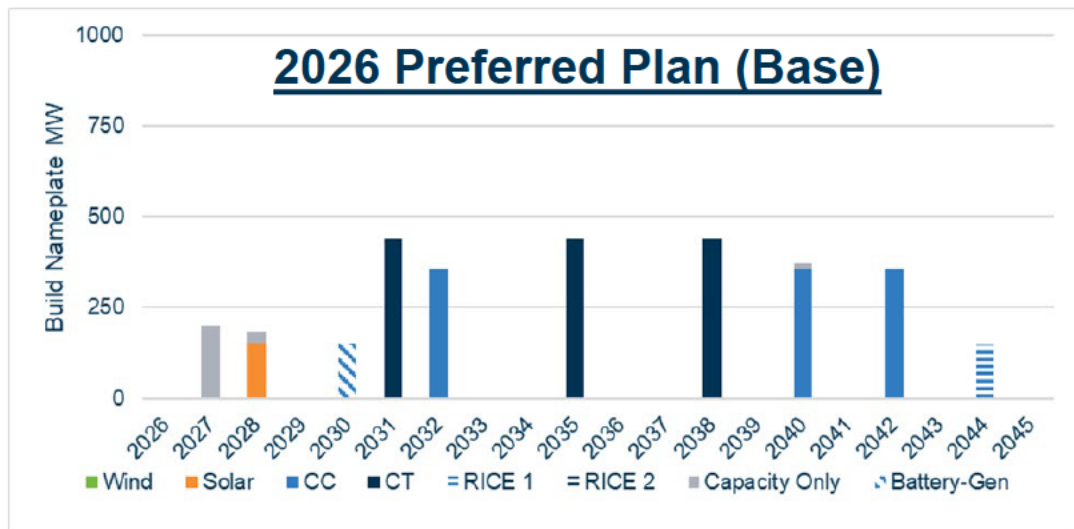


2026 IRP Preferred Plan



Evergy Metro can meet load growth and reliability needs through market capacity, solar, and storage in the near-term. Fewer new renewables due to unfavorable economics and policies.

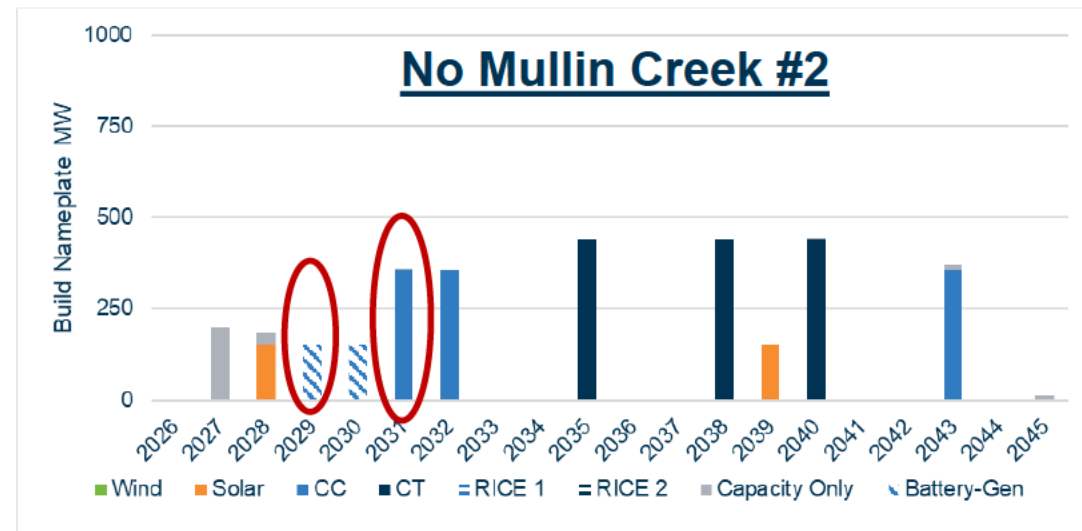
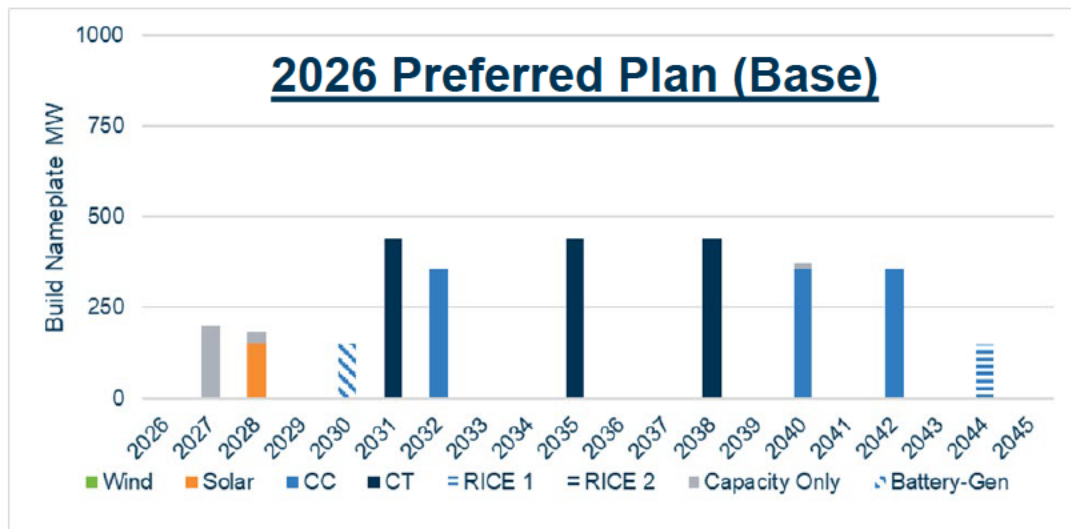
2026 Evergy Metro Near-Term Build Options



Without option of 2028 solar, EMM would move the solar build to 2029.

Without the option of 2030 storage, EMM would build solar in 2030 and move up the ½ CCGT one year to 2031.

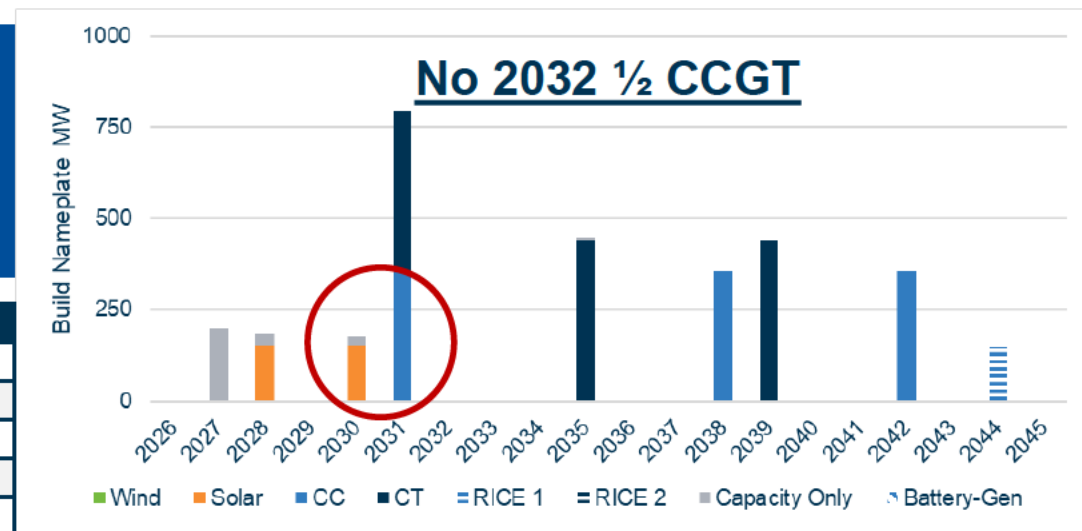
2026 Evergy Metro Near-Term Thermal Builds



Without option of Mullin Creek #2, EMM would build additional storage and ½ CCGT in the near term.

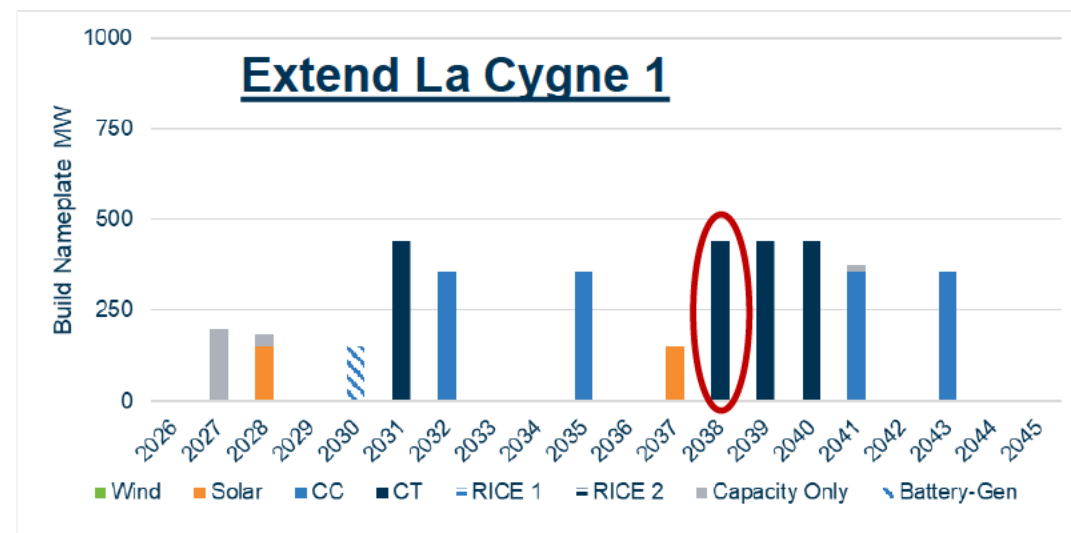
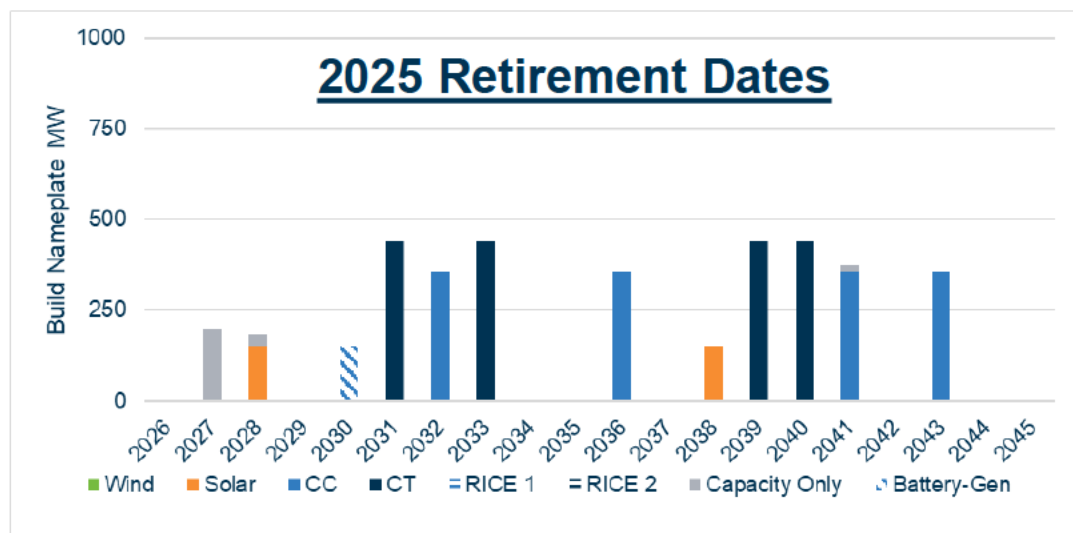
With no 2032 ½ CCGT, EMM selects it in 2031.

Rank	Plan	NPVRR	Difference	Description
1	ACEA	32,824		No 2032 CCGT
2	ACCA	32,824	0	No 2030 Storage
3	ACAA	32,839	15	Base Builds
4	ACBA	32,929	105	No 2028 Solar
5	ACDA	33,069	245	No Mullin Creek #2





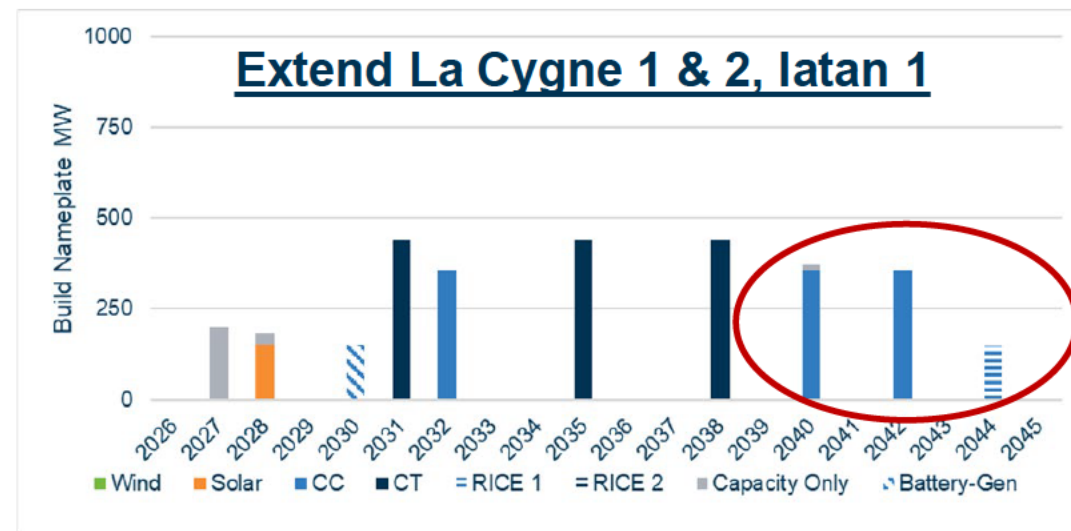
2026 Evergy Metro Retirement Dates



Rank	Plan	NPVRR	Difference	Description
1	ACAA	32,839		Extend La Cygne 1 to March 2038, Extend La Cygne 2 and Iatan 1 to Beyond 2045
2	ABAA	33,307	468	Extend La Cygne 1 to March 2038
3	AAAA	33,463	624	2025 PP Retirement Dates

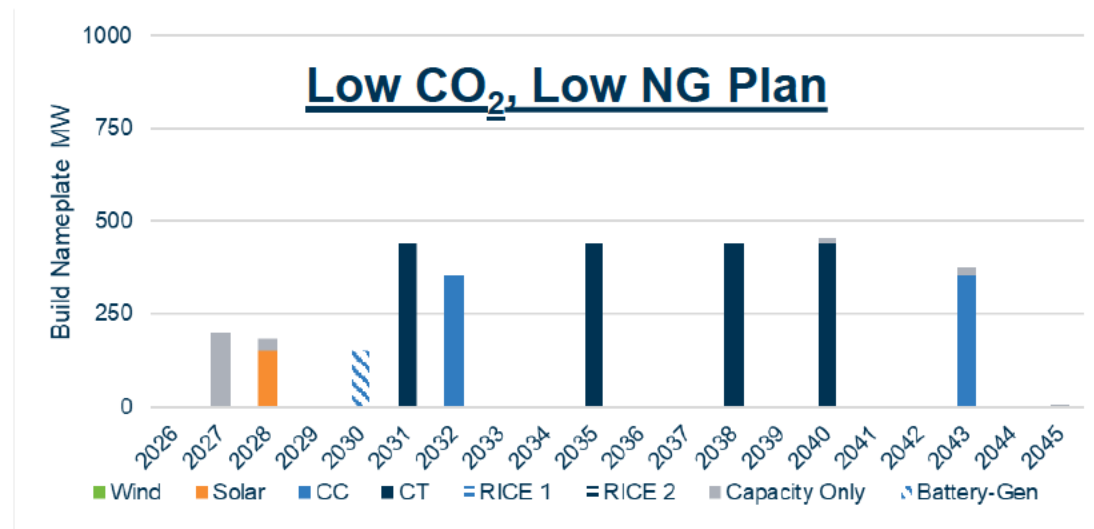
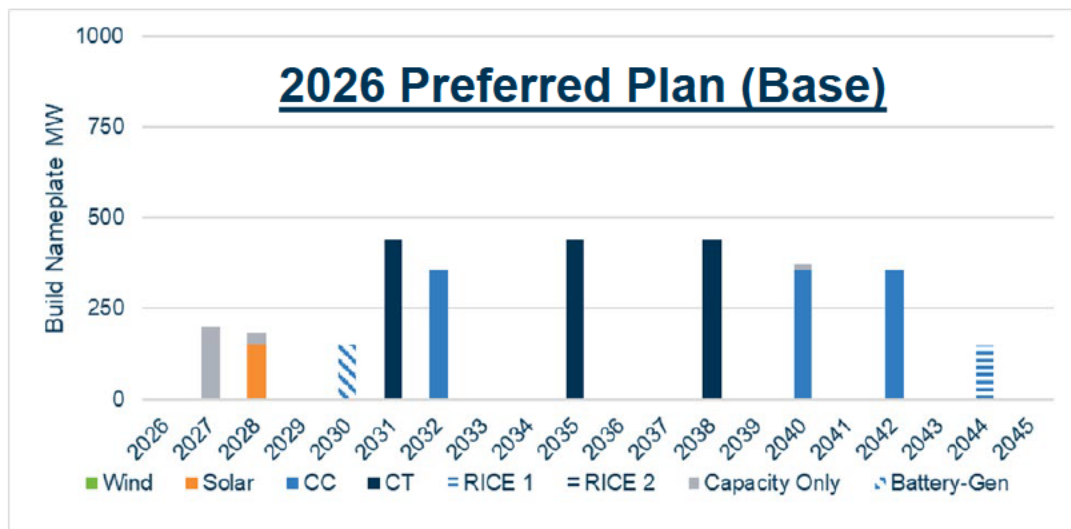
Postponing La Cygne 1 retirement date 5 years moves 2033 SCGT to 2038.

Additionally postponing La Cygne 2 & Iatan 1 reduces thermal builds 2039+



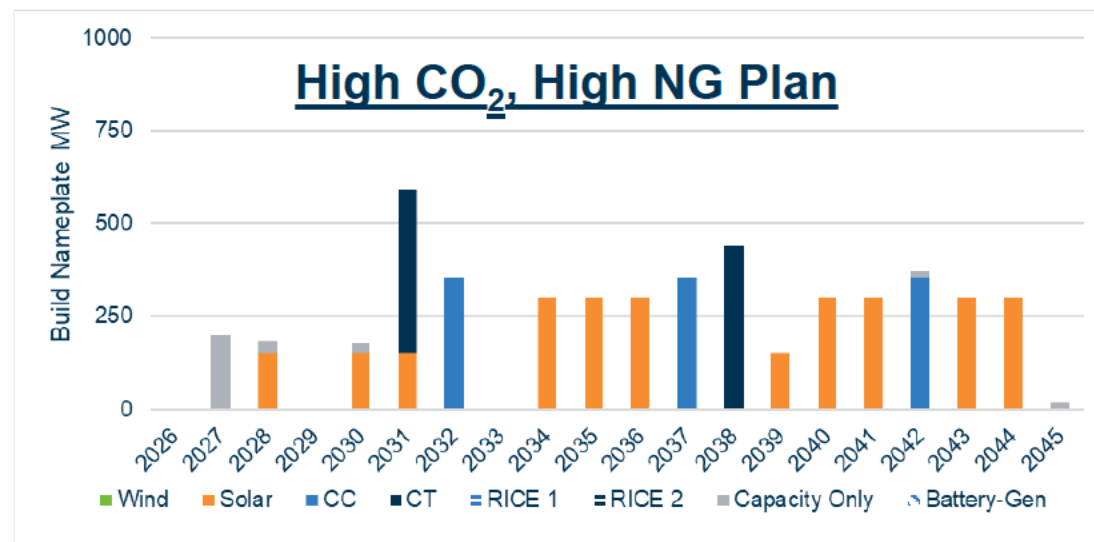


2026 Evergy Metro CUF Sensitivity



Low forecasts produce similar plan, favor SCGT over CCGT in 2040. High forecasts favor much more solar, less SCGT.

Rank	Plan	NPVRR	Difference	Description
1	ACAJ	32,825		Low NG
2	ACAH	32,831	6	Low Construction Cost
3	ACAA	32,839	14	Base
4	ACAE	32,845	20	Low CO ₂
5	ACAC	32,845	20	Low CO ₂ , Low NG
6	ACAG	32,845	20	High Construction Cost
7	ACAD	32,924	99	High CO ₂
8	ACAI	32,926	101	High NG
9	ACAF	33,236	410	High CO ₂ , High NG





Evergy Metro Alternative Resource Plan Rankings

**Preferred
Plan**

Rank	Plan	NPVRR	Difference	Description
1	ACCA	32,824		No 2030 Storage
2	ACEA	32,824	0	No 2032 CCGT
3	ACAJ	32,825	1	Low NG
4	ACAH	32,831	7	Low Construction Cost
5	ACAA	32,839	15	Base Assumptions, Extended Retirements
6	ACAG	32,845	21	High Construction Cost
7	ACAC	32,845	21	Low CO ₂ , Low NG
8	ACAE	32,845	21	Low CO ₂
9	ACAD	32,924	100	High CO ₂
10	ACAI	32,926	102	High NG
11	ACBA	32,929	105	No 2028 Solar
12	ACDA	33,069	245	No Mullin Creek #2
13	ACAF	33,236	412	High CO ₂ , High NG
14	ABAA	33,307	483	Extend La Cygne 1 to March 2038
15	AAAA	33,463	639	2025 PP Retirement Dates

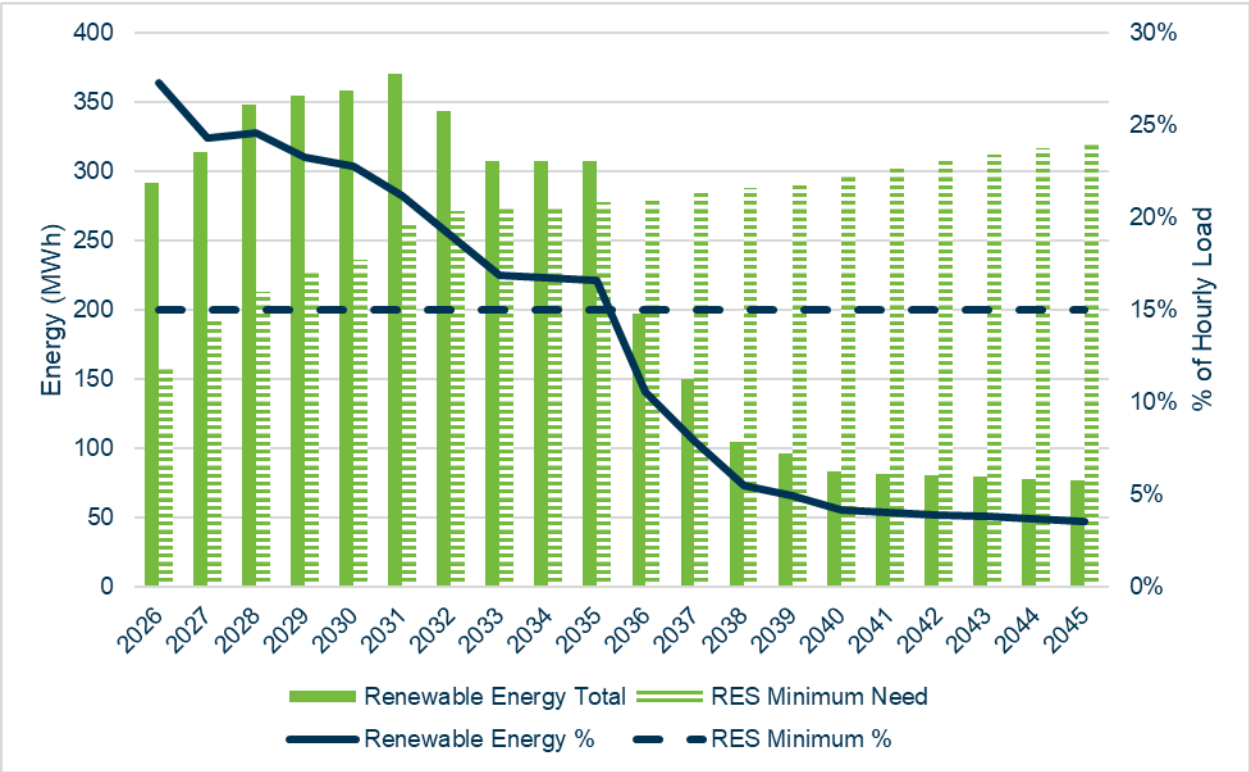
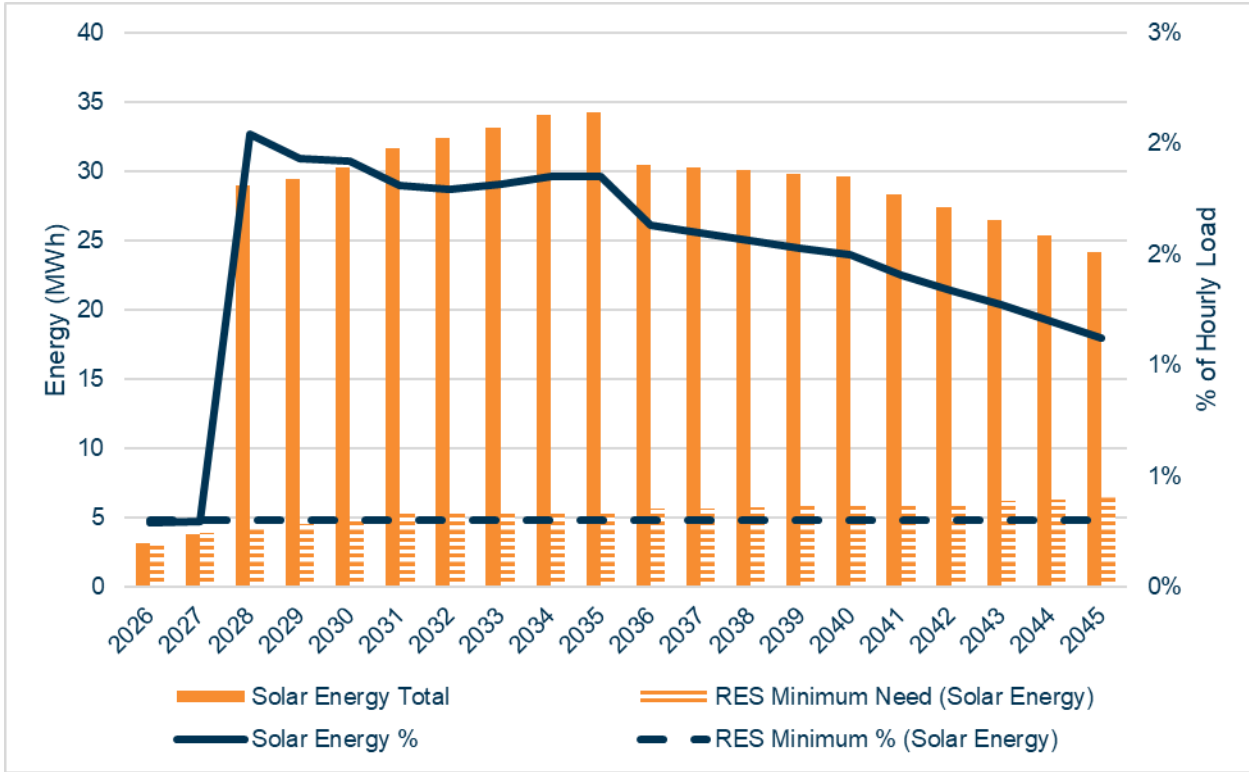
The Preferred Plan is near the lowest-cost plan but is not lowest-cost due to selecting a resource plan that includes the practical realities of project execution.



2026 EMM Renewable Energy Standard (RES) Requirement

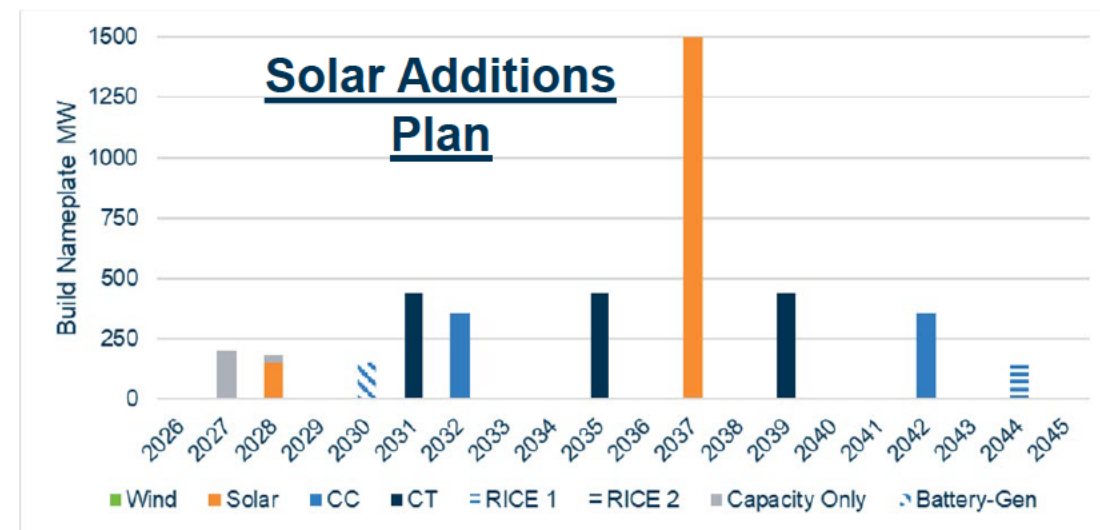
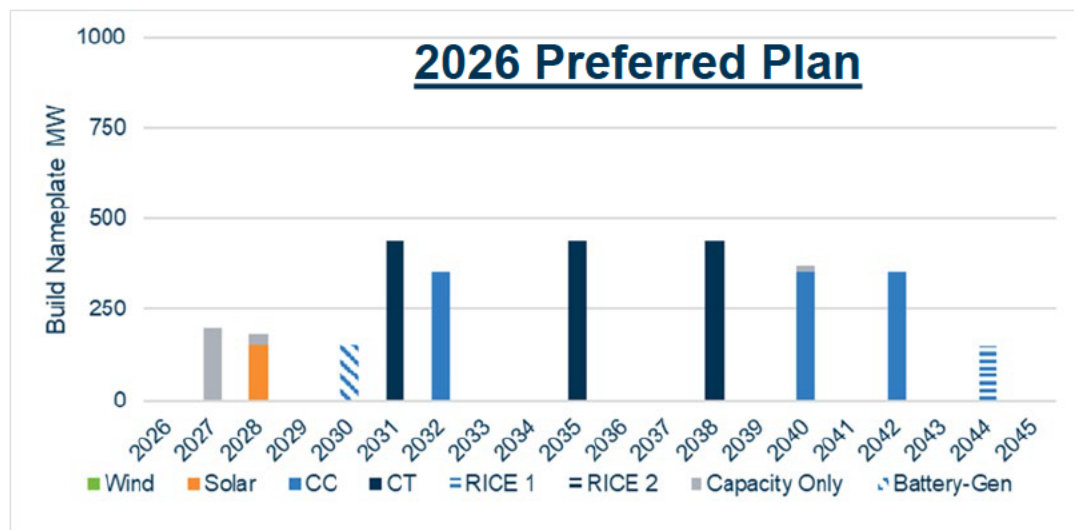
Year	Retail Electric Sales (MWh)	Missouri RES Non-Solar Requirement	Non-Solar RES Requirement (MWh)	Missouri RES Solar Requirement	Solar RES Requirement (MWh)
2026	9,377,875	14.7%	1,378,548	0.30%	28,134
2027	11,315,359	14.7%	1,663,358	0.30%	33,946
2028	12,454,823	14.7%	1,830,859	0.30%	37,364
2029	13,351,467	14.7%	1,962,666	0.30%	40,054
2030	13,791,523	14.7%	2,027,354	0.30%	41,375
2031	15,332,862	14.7%	2,253,931	0.30%	45,999
2032	15,894,693	14.7%	2,336,520	0.30%	47,684
2033	15,976,018	14.7%	2,348,475	0.30%	47,928
2034	16,088,310	14.7%	2,364,982	0.30%	48,265
2035	16,222,198	14.7%	2,384,663	0.30%	48,667
2036	16,404,707	14.7%	2,411,492	0.30%	49,214
2037	16,582,040	14.7%	2,437,560	0.30%	49,746
2038	16,815,442	14.7%	2,471,870	0.30%	50,446
2039	17,077,200	14.7%	2,510,348	0.30%	51,232
2040	17,383,904	14.7%	2,555,434	0.30%	52,152
2041	17,660,467	14.7%	2,596,089	0.30%	52,981
2042	17,949,007	14.7%	2,638,504	0.30%	53,847
2043	18,242,589	14.7%	2,681,661	0.30%	54,728
2044	18,555,252	14.7%	2,727,622	0.30%	55,666
2045	18,822,902	14.7%	2,766,967	0.30%	56,469

2026 EMM RES Comparison to Preferred Plan



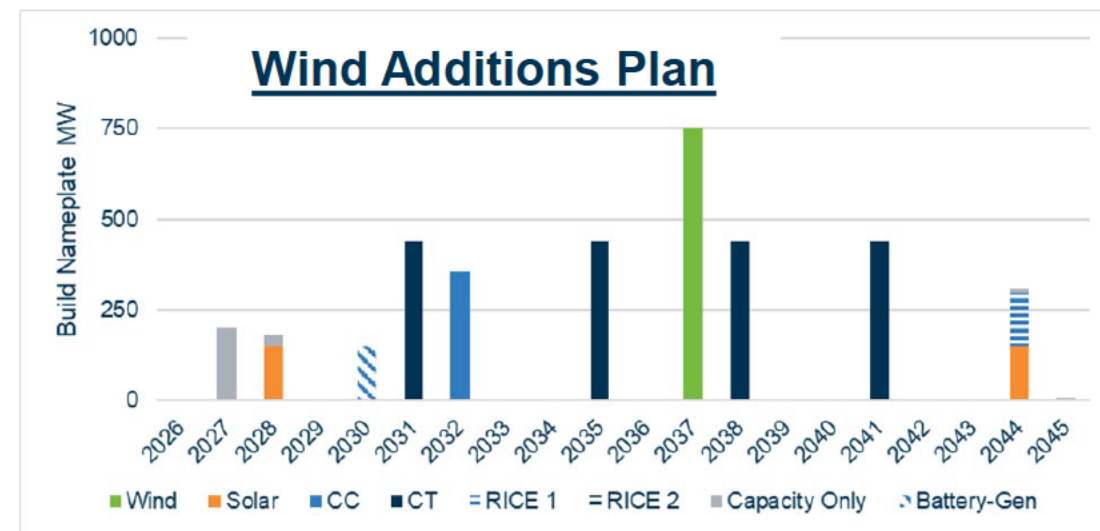


2026 Evergy Missouri Metro RES Plans



Scenarios building to meet EMM RES requirement select either 1.5 GW of solar in 2037 or 750 MW of wind in 2037

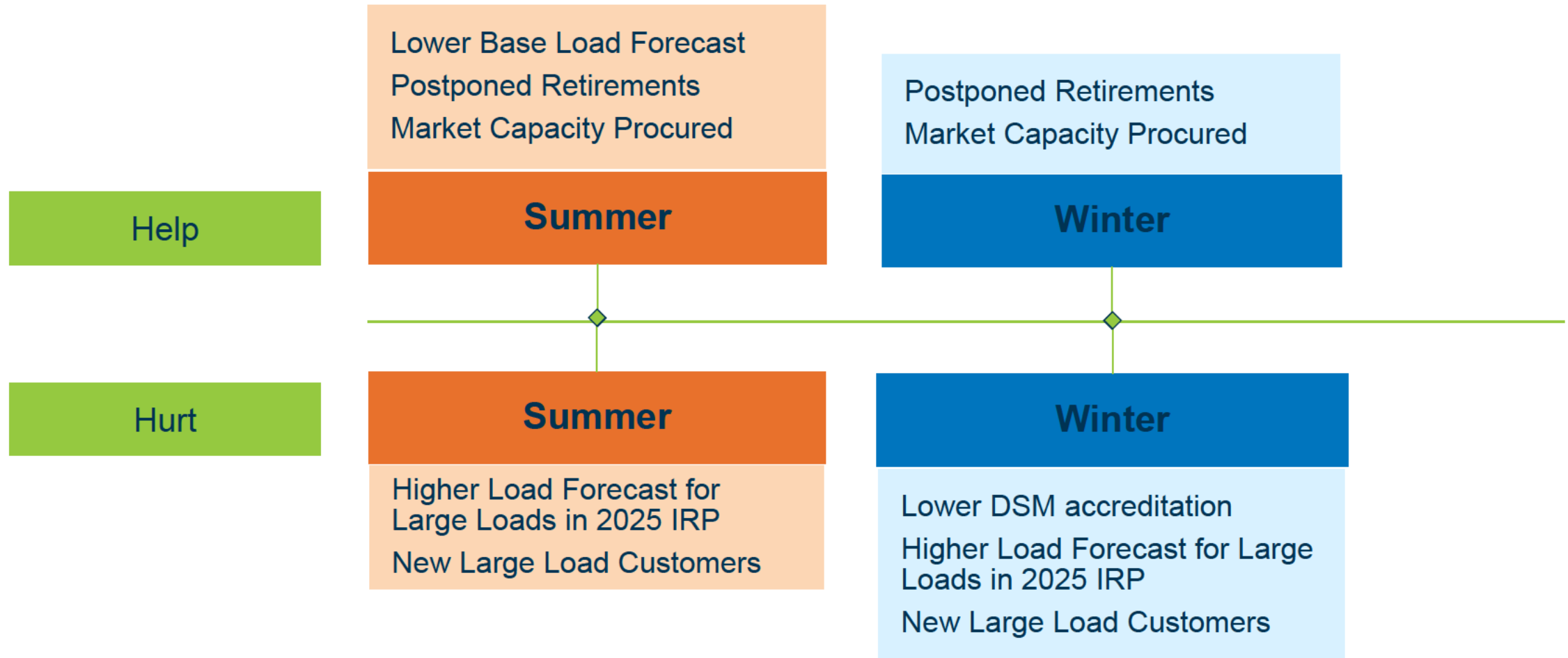
Rank	Plan	NPVRR	Difference	Description
1	ACAA	32,839		Base
2	ACAK	34,805	1,966	RES Solar Additions
3	ACAL	34,924	2,084	RES Wind Additions





Changes to capacity balance – Evergy Missouri West

Overall capacity need is higher than forecast from 2025 IRP

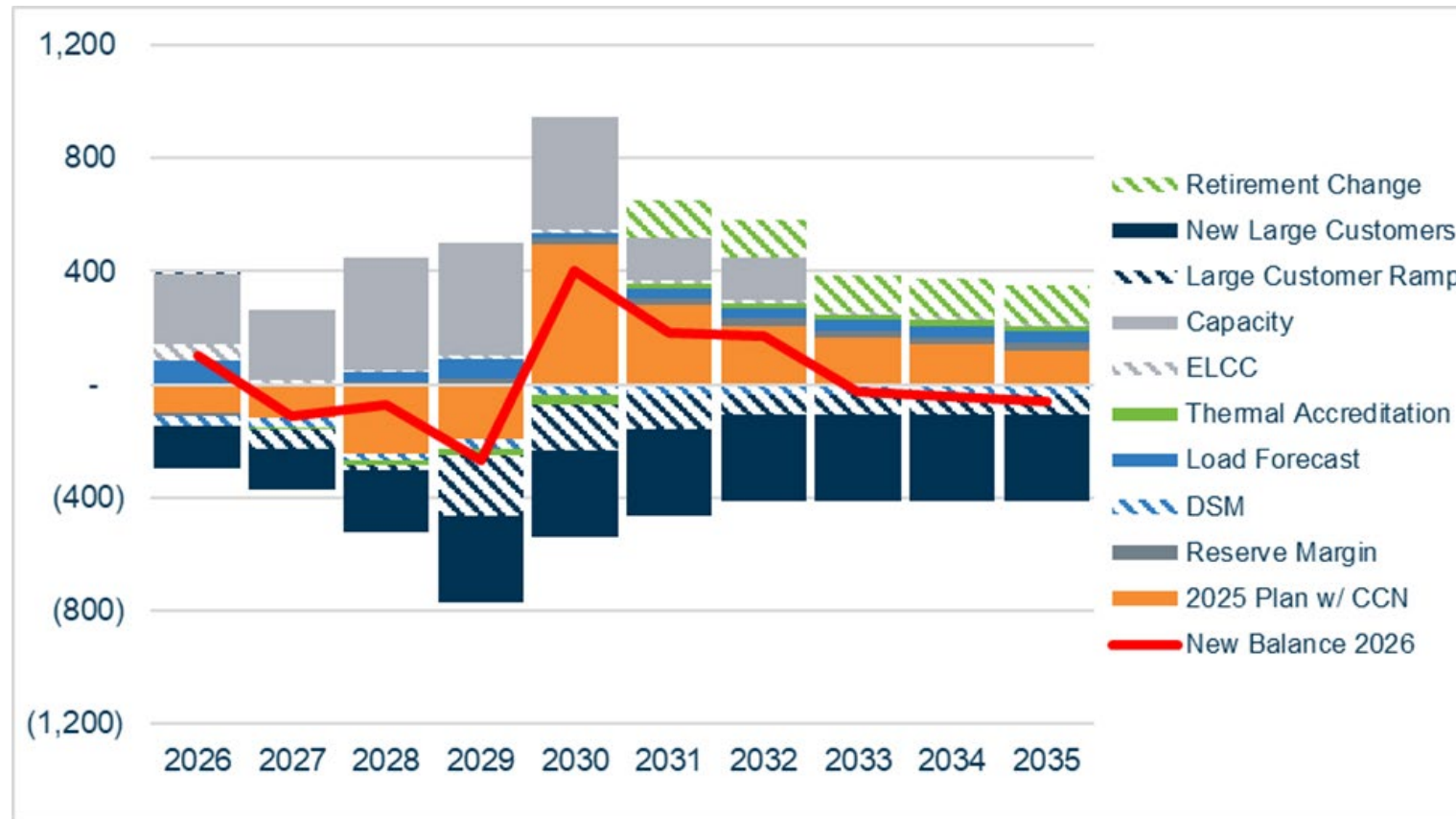




Evergy Missouri West Capacity Changes

2026 IRP -vs- 2025 IRP Forecasts

Changes to Summer Capacity Balance

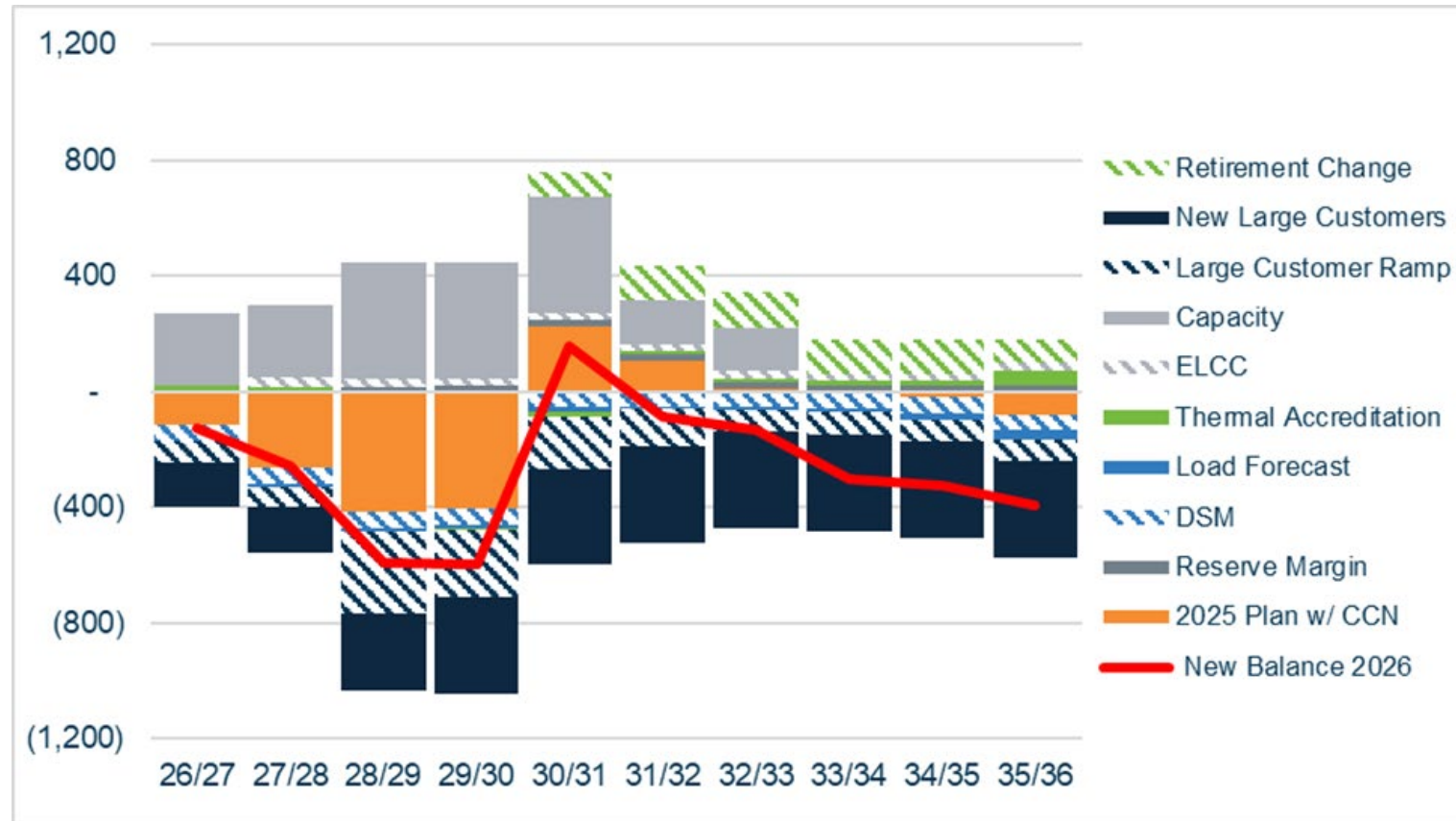




Evergy Missouri West Capacity Changes

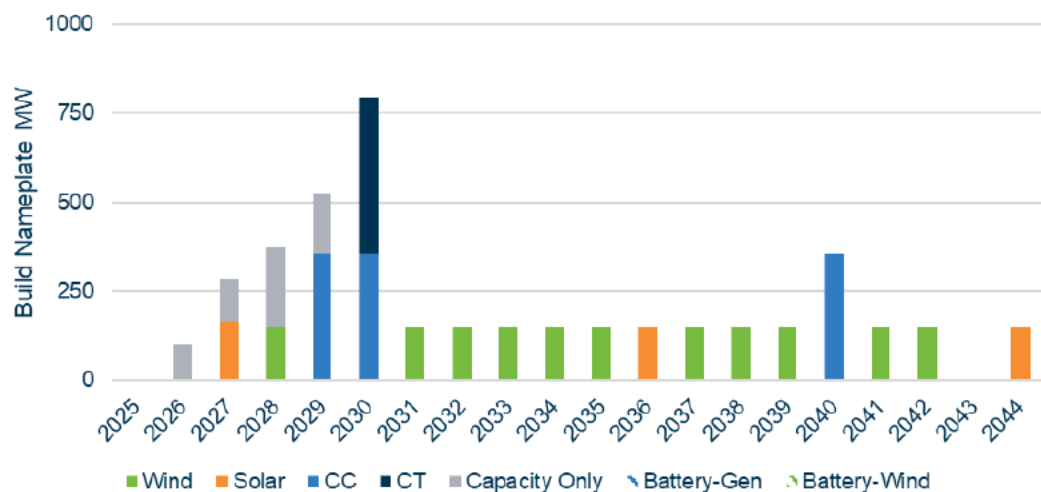
2026 IRP -vs- 2025 IRP Forecasts

Changes to Winter Capacity Balance

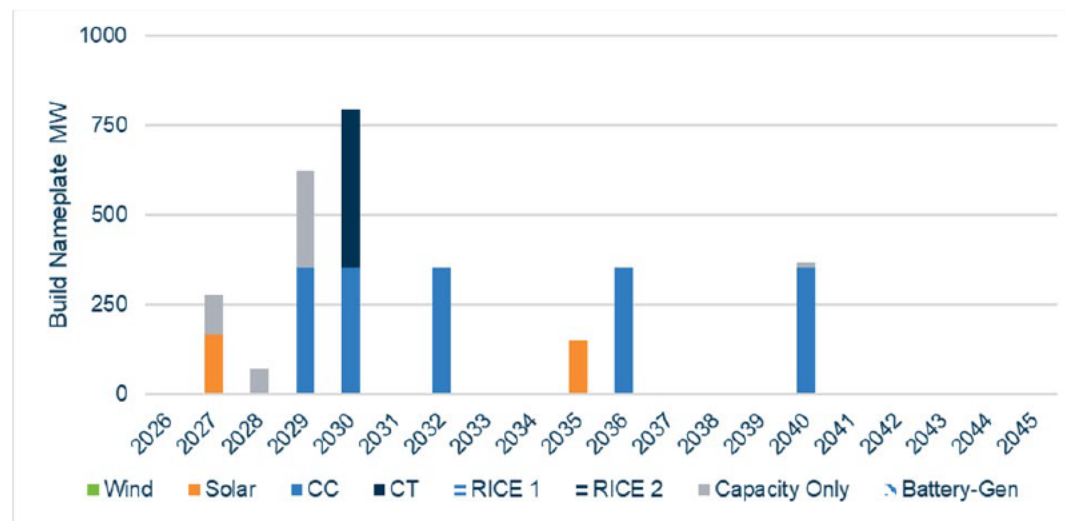


2026 Evergy Missouri West Preferred Plan

2025 IRP Preferred Plan



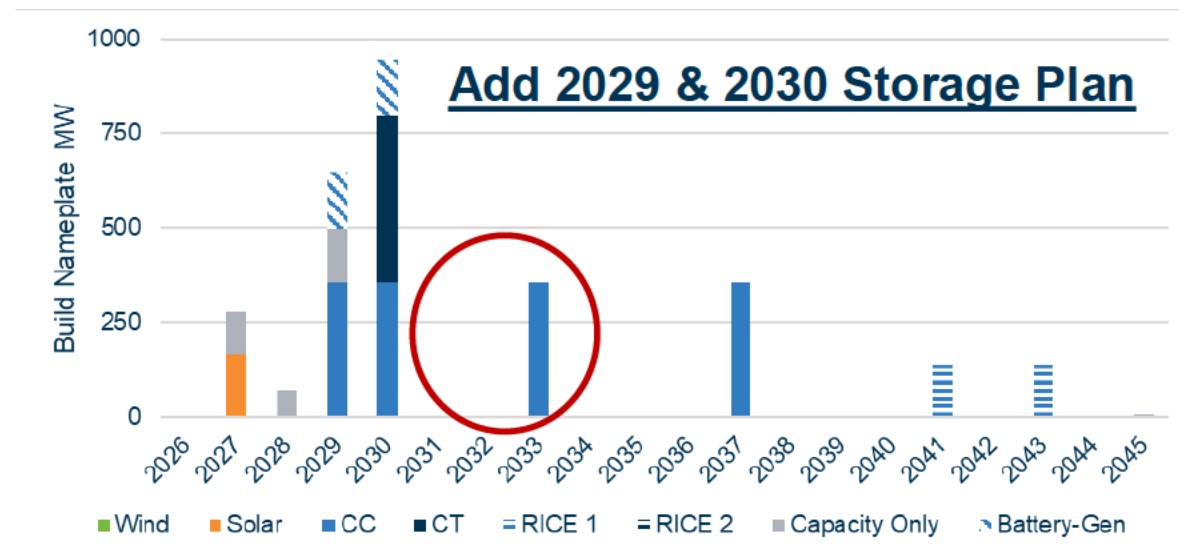
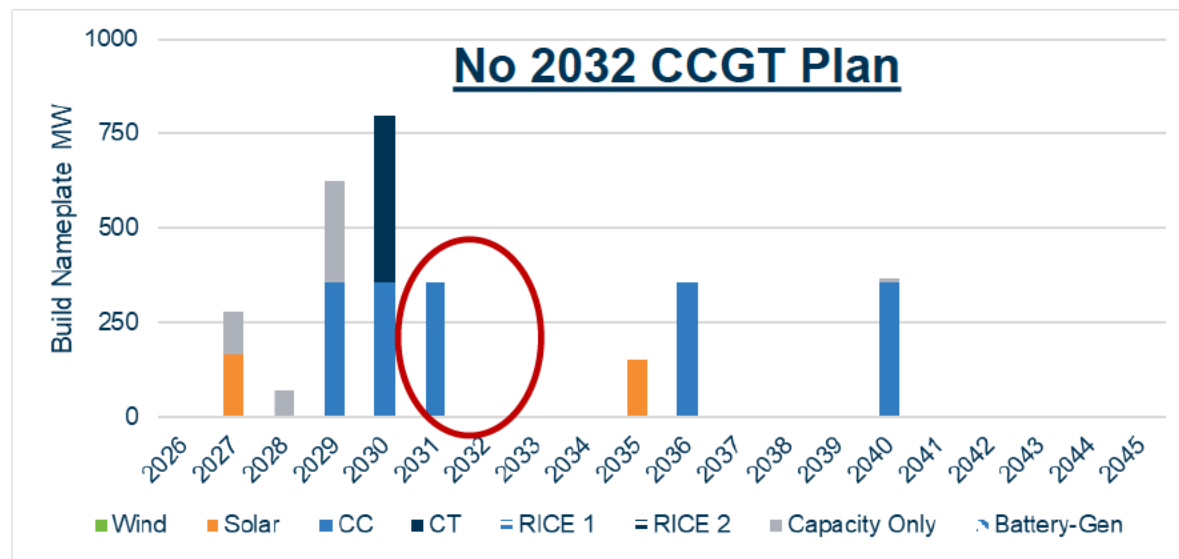
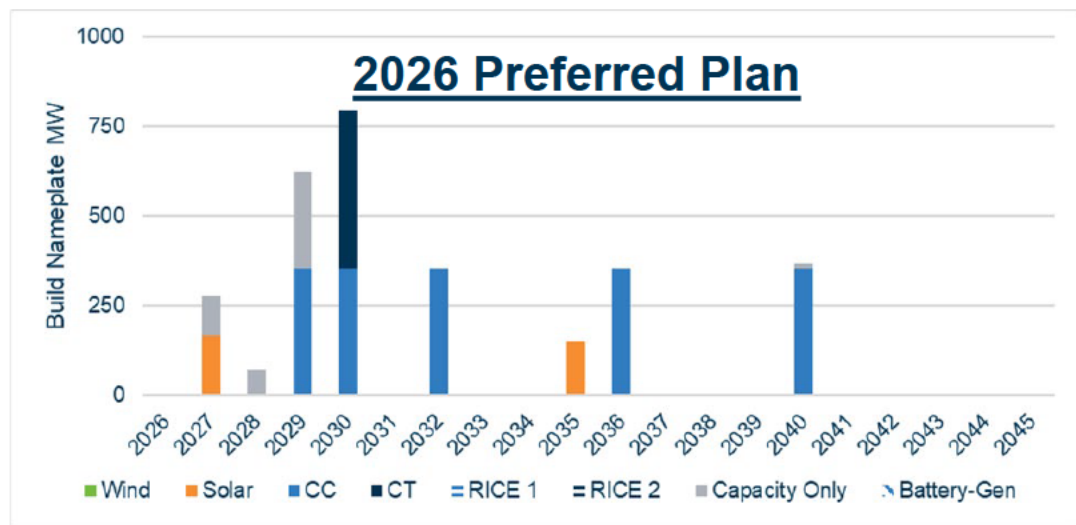
2026 IRP Preferred Plan



EMW can meet load growth and reliability needs through incremental market capacity until CCN resources are in service. Jeffrey 2 converts to NG in 2035. Less renewables due to unfavorable economics and policies.

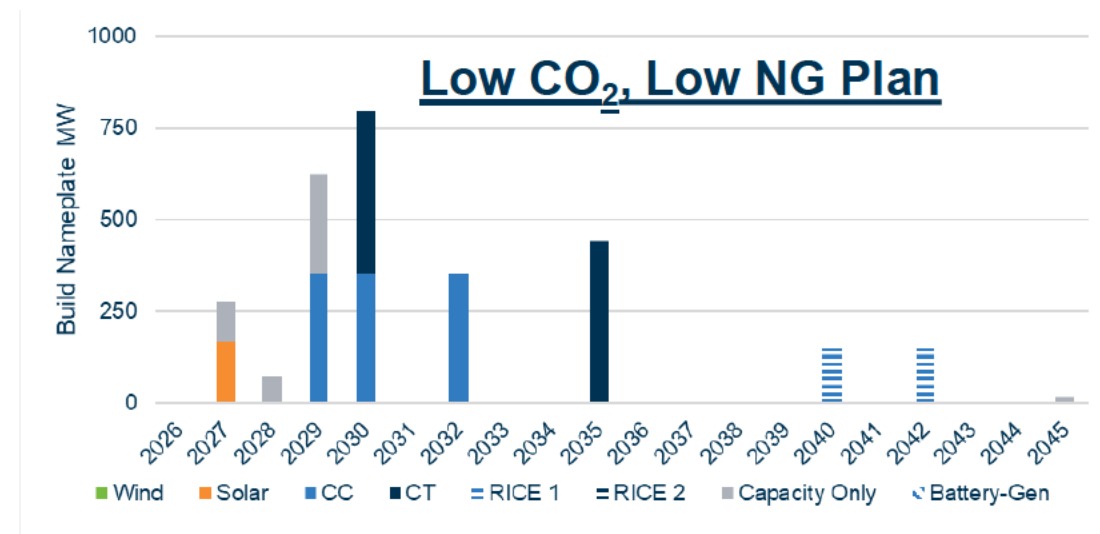
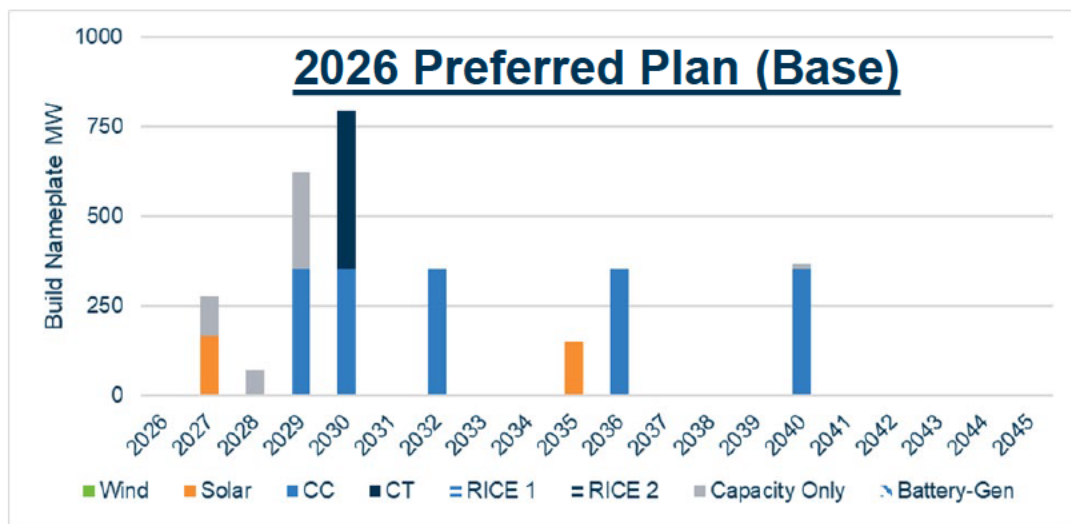


2026 Evergy Missouri West Execution Alternatives



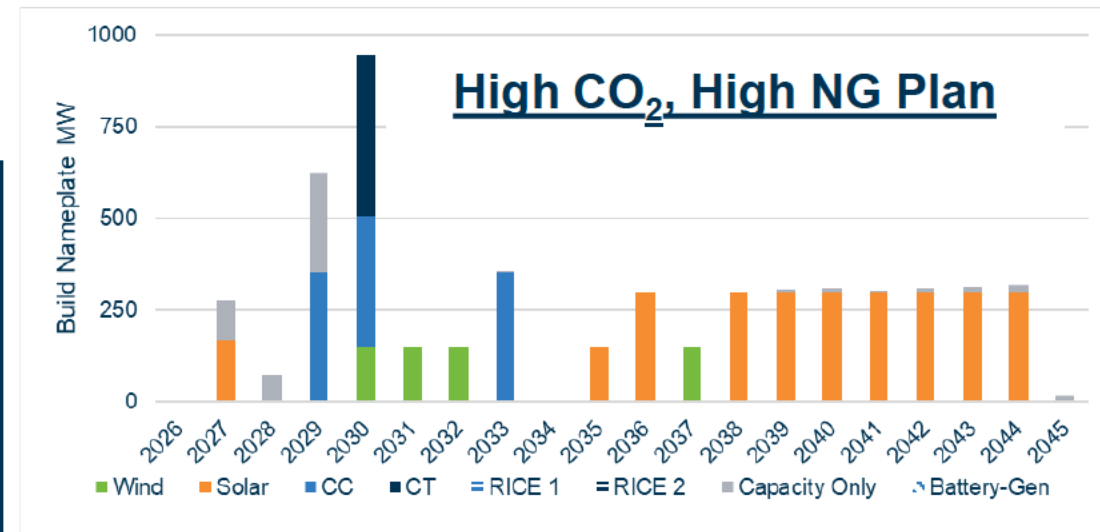
Without the option of a 2032 ½ CCGT, the ARP chooses to move it forward to 2031. Adding 300 MW of storage in 2029-2030 pushes back the ½ CCGT to 2033, but increases NPVRR.

2026 Evergy Missouri West CUF Sensitivity



Base was identical to optimal plan for High and Low Construction Cost, Low NG, and High CO₂

Rank	Plan	NPVRR	Difference	Description
1	ADAA	23,277		Base
2	ADAG	23,277	0	High Construction Cost
3	ADAH	23,277	0	Low Construction Cost
4	ADAJ	23,277	0	Low NG
5	ADAD	23,277	0	High CO ₂
6	ADAE	23,296	19	Low CO ₂
7	ADAI	23,364	86	High NG
8	ADAC	23,377	99	Low CO ₂ , Low NG
9	ADAB	24,011	733	High CO ₂ , High NG





Evergy Missouri West Alternative Resource Plans

Preferred Plan

Rank	Plan	NPVRR	Difference	Description
1	ADAA	23,277		Base Assumptions, Extended Retirements
2	ADAE	23,296	19	Low CO ₂
3	ADBA	23,330	52	No 2032 1/2 CCGT
4	ACAA	23,344	67	Extend Jeffrey 3 to March 2036, Extend Lake Road 4/6 to March 2038, Jeffrey 2 Converts to NG 2035
5	ADDA	23,350	73	Add 2029 Solar
6	ADAI	23,364	86	High NG
7	ADAC	23,377	99	Low CO ₂ , Low NG
8	ABAA	23,383	105	Extend Jeffrey 3 to March 2036, Extend Lake Road 4/6 to March 2038
9	AAAA	23,406	128	2025 PP Retirement Dates
10	ADEA	23,448	171	Add 2029 Storage
11	ADCA	23,608	331	Add 2029 and 2030 Storage
12	ADAB	24,011	733	High CO ₂ , High NG

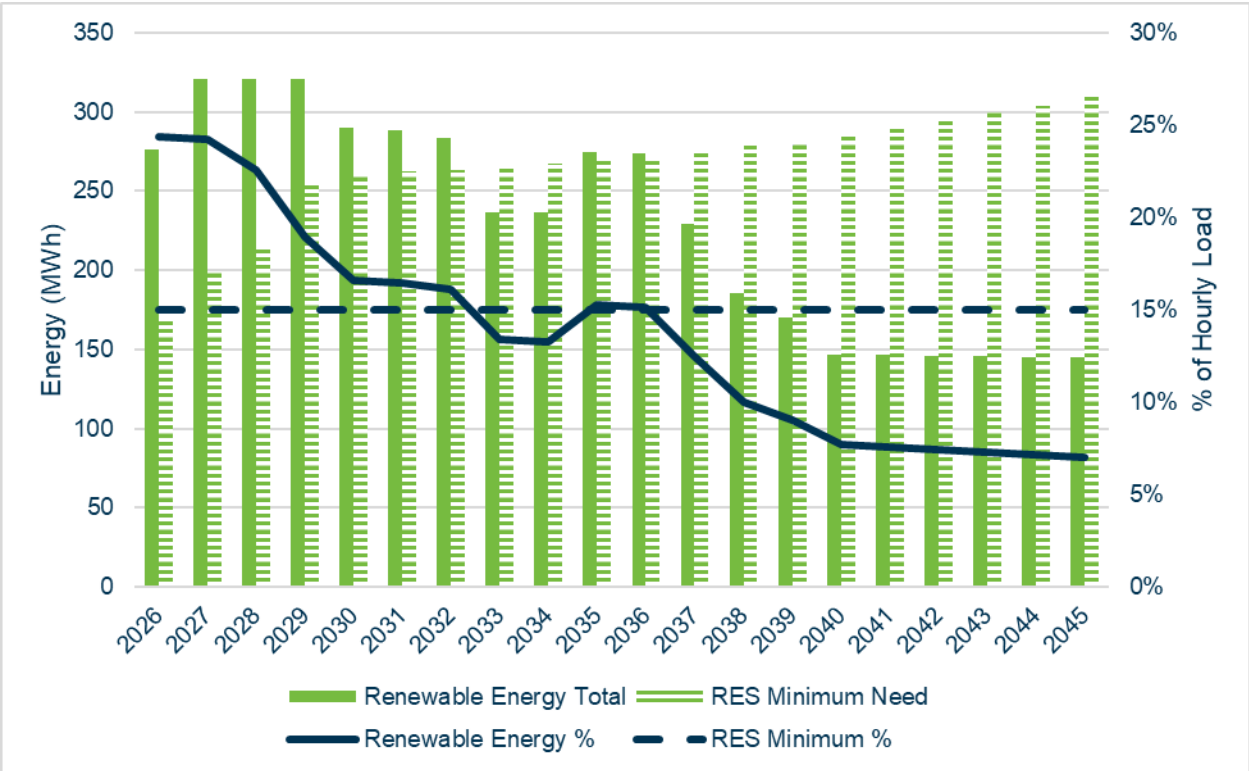
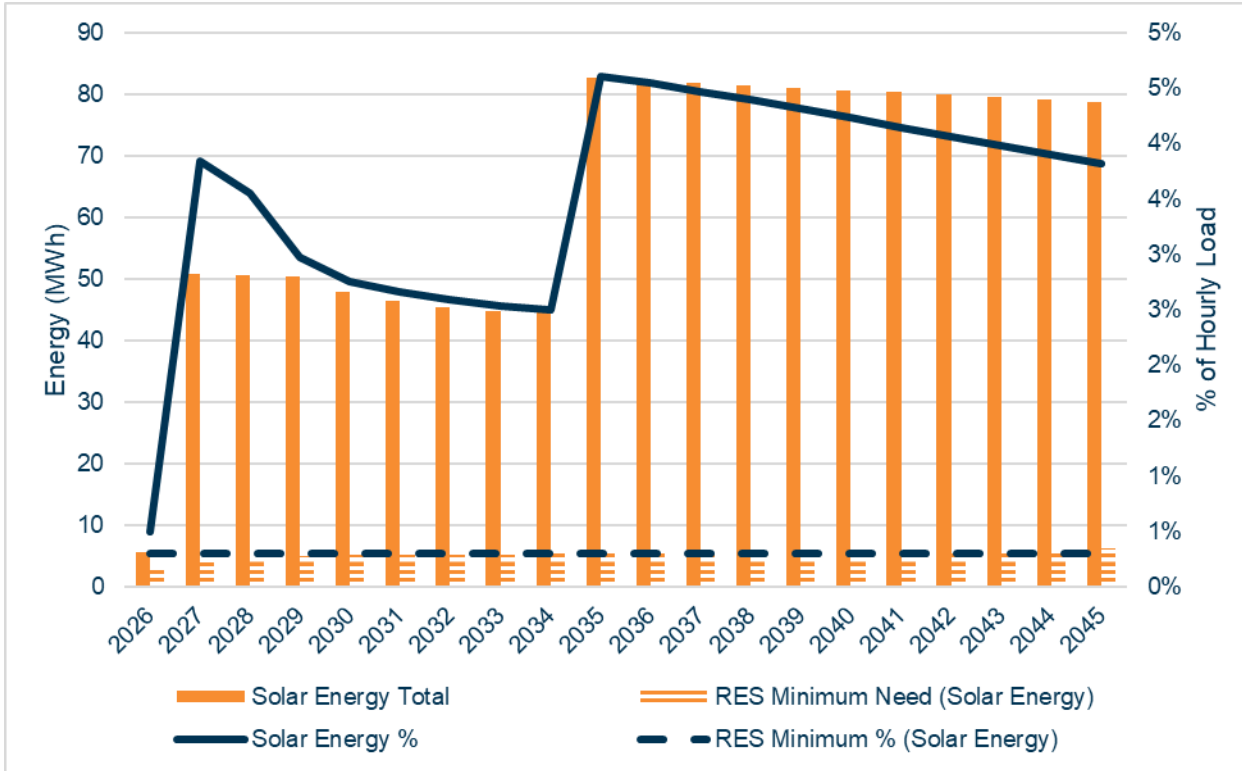
The selected preferred plan for Missouri West is the lowest cost plan. It incorporates the decision to extend coal retirements to address large load growth.



2026 EMW Renewable Energy Standard (RES) Requirement

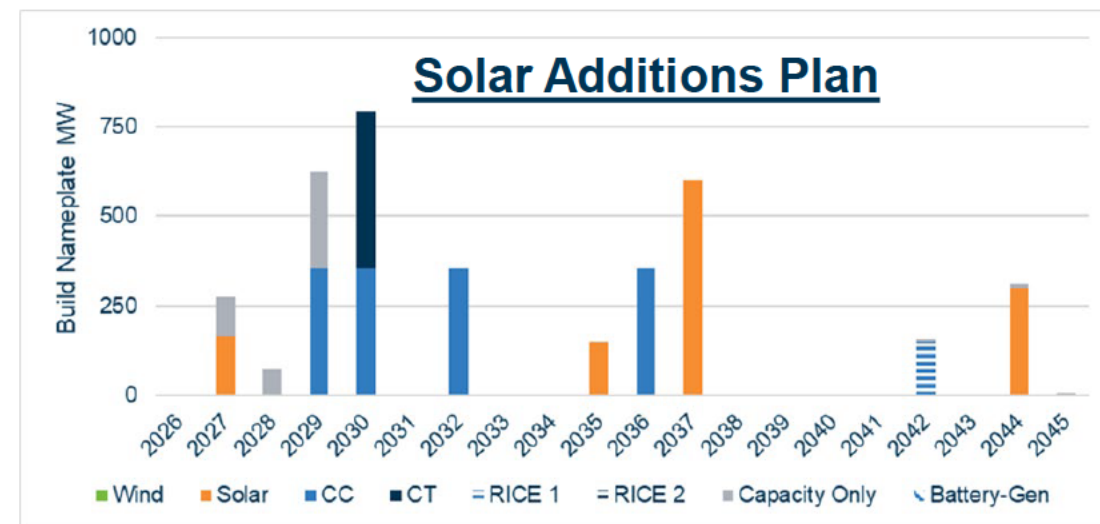
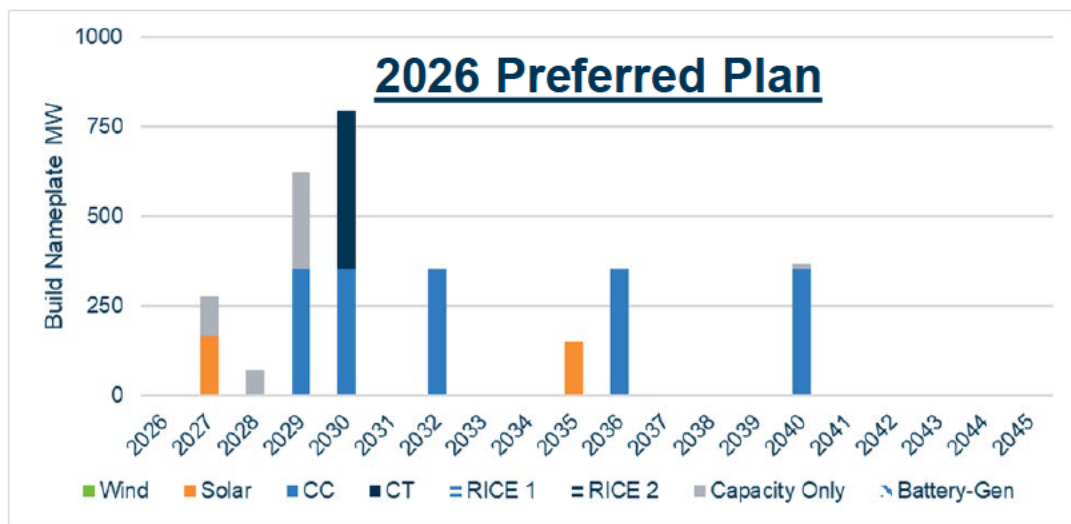
Year	Retail Electric Sales (MWh)	Missouri RES Non-Solar Requirement	Non-Solar RES Requirement (MWh)	Missouri RES Solar Requirement	Solar RES Requirement (MWh)
2026	9,910,676	14.7%	1,456,869	0.30%	29,732
2027	11,600,803	14.7%	1,705,318	0.30%	34,802
2028	12,512,665	14.7%	1,839,362	0.30%	37,538
2029	14,834,356	14.7%	2,180,650	0.30%	44,503
2030	15,262,315	14.7%	2,243,560	0.30%	45,787
2031	15,329,166	14.7%	2,253,387	0.30%	45,987
2032	15,424,467	14.7%	2,267,397	0.30%	46,273
2033	15,502,378	14.7%	2,278,850	0.30%	46,507
2034	15,609,333	14.7%	2,294,572	0.30%	46,828
2035	15,736,033	14.7%	2,313,197	0.30%	47,208
2036	15,901,149	14.7%	2,337,469	0.30%	47,703
2037	16,054,688	14.7%	2,360,039	0.30%	48,164
2038	16,255,479	14.7%	2,389,555	0.30%	48,766
2039	16,478,487	14.7%	2,422,338	0.30%	49,435
2040	16,747,739	14.7%	2,461,918	0.30%	50,243
2041	16,992,271	14.7%	2,497,864	0.30%	50,977
2042	17,253,704	14.7%	2,536,294	0.30%	51,761
2043	17,519,921	14.7%	2,575,428	0.30%	52,560
2044	17,804,176	14.7%	2,617,214	0.30%	53,413
2045	18,048,999	14.7%	2,653,203	0.30%	54,147

2026 EMW RES Comparison to Preferred Plan



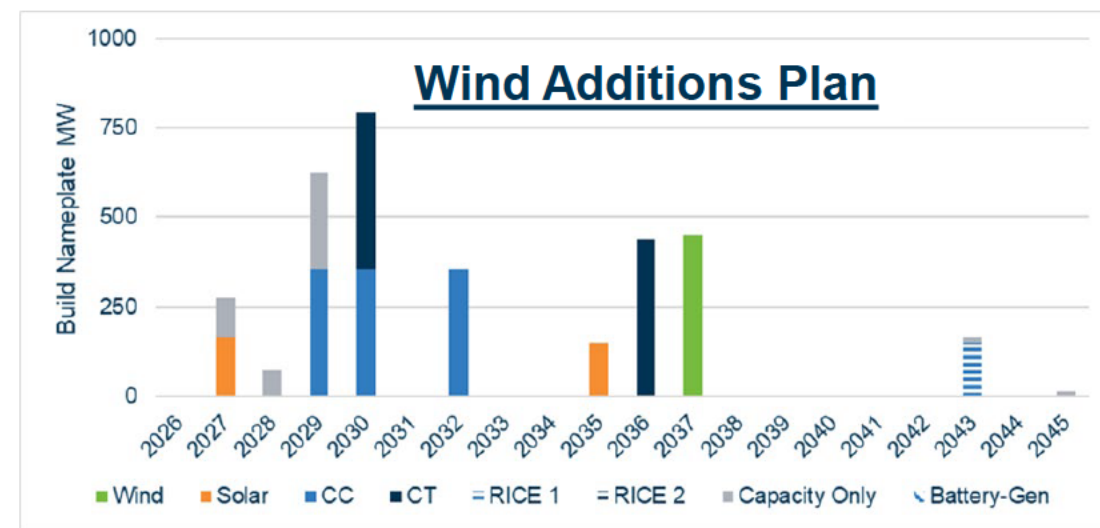


2026 Evergy Missouri West RES Plans



Scenarios building to meet EMW RES requirement select either 600 MW of solar in 2037 or 450 MW of wind in 2037

Rank	Plan	NPVRR	Difference	Description
1	ADAA	23,277		Base
2	ADAK	23,892	615	RES Solar Additions
3	ADAL	24,066	789	RES Wind Additions





Preferred Plan Summary

Evergy Missouri West (ADAA)

Year	Wind (MW)	Solar (MW)	Battery (MW)	Thermal (MW)	Capacity (Summer MW)	DSM (Summer MW)	Retirements (MW)
2026	0	0	0	0	0	98	0
2027	0	165	0	0	110	113	0
2028	0	0	0	0	71	123	0
2029	0	0	0	355	268	90	0
2030	0	0	0	795	0	90	0
2031	0	0	0	0	0	90	0
2032	0	0	0	355	0	89	0
2033	0	0	0	0	0	89	0
2034	0	0	0	0	0	89	0
2035	0	150	0	0	0	89	0
2036	0	0	0	355	0	89	59
2037	0	0	0	0	0	89	0
2038	0	0	0	0	0	88	89
2039	0	0	0	0	0	88	0
2040	0	0	0	355	0	88	0
2041	0	0	0	0	0	87	0
2042	0	0	0	0	0	87	0
2043	0	0	0	0	0	87	0
2044	0	0	0	0	0	87	0
2045	0	0	0	0	0	124	0

Evergy Metro (ACAA)

Year	Wind (MW)	Solar (MW)	Battery (MW)	Thermal (MW)	Capacity (Summer MW)	DSM (Summer MW)	Retirements (MW)
2026	0	0	0	0	0	143	0
2027	0	0	0	0	201	169	0
2028	0	150	0	0	32	192	0
2029	0	0	0	0	0	151	0
2030	0	0	150	0	0	150	0
2031	0	0	0	440	0	150	0
2032	0	0	0	355	0	148	0
2033	0	0	0	0	0	146	0
2034	0	0	0	0	0	146	0
2035	0	0	0	440	0	145	0
2036	0	0	0	0	0	144	0
2037	0	0	0	0	0	141	0
2038	0	0	0	440	0	137	375
2039	0	0	0	0	0	134	0
2040	0	0	0	355	16	134	0
2041	0	0	0	0	0	133	0
2042	0	0	0	355	0	132	0
2043	0	0	0	0	0	130	0
2044	0	0	0	148	0	129	0
2045	0	0	0	0	0	130	0

Additional Load Scenarios





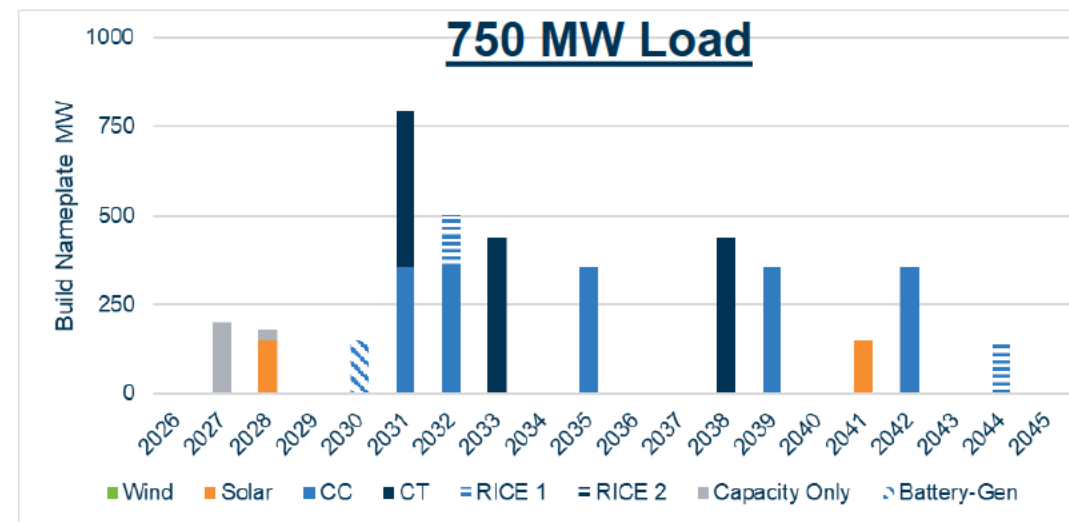
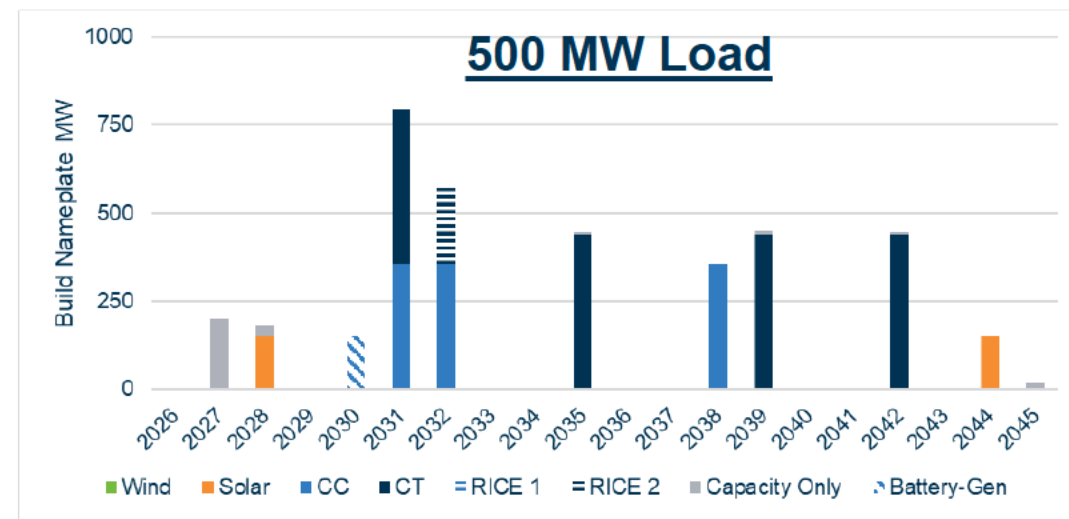
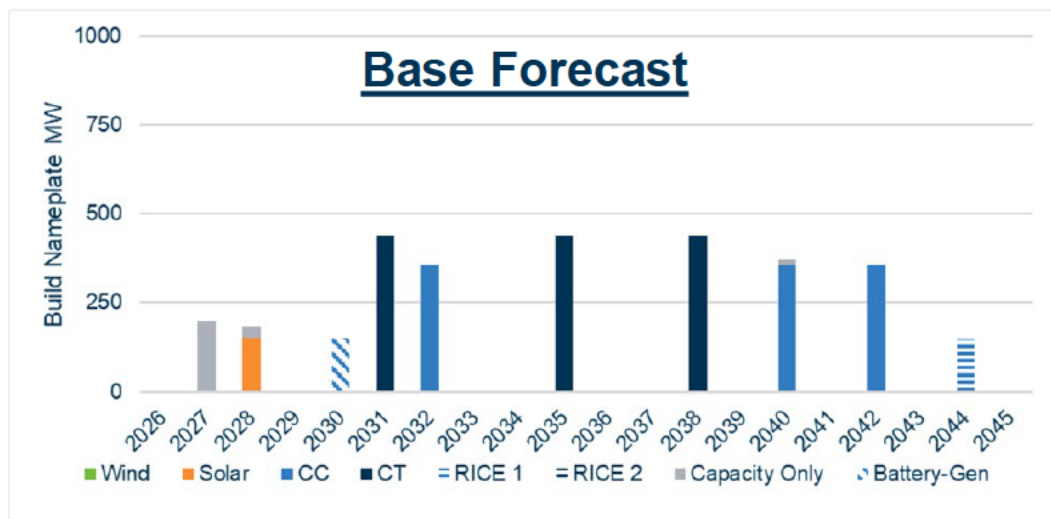
New Large Customer Scenarios - EM

New Load Scenario	2032	2033	2034	2035+
500 MW	500	500	500	500
750 MW	500	750	750	750
1,000 MW	500	750	1,000	1,000
1,500 MW	500	750	1,000	1,500

- Evergy Metro is capacity constrained in early years and lead time for new thermal projects is ~ 5 years.
- Early load ramps would require greater solar/storage build or procurement of additional market capacity
- EMW has more flexibility to accommodate large customer load ramp beginning in 2032

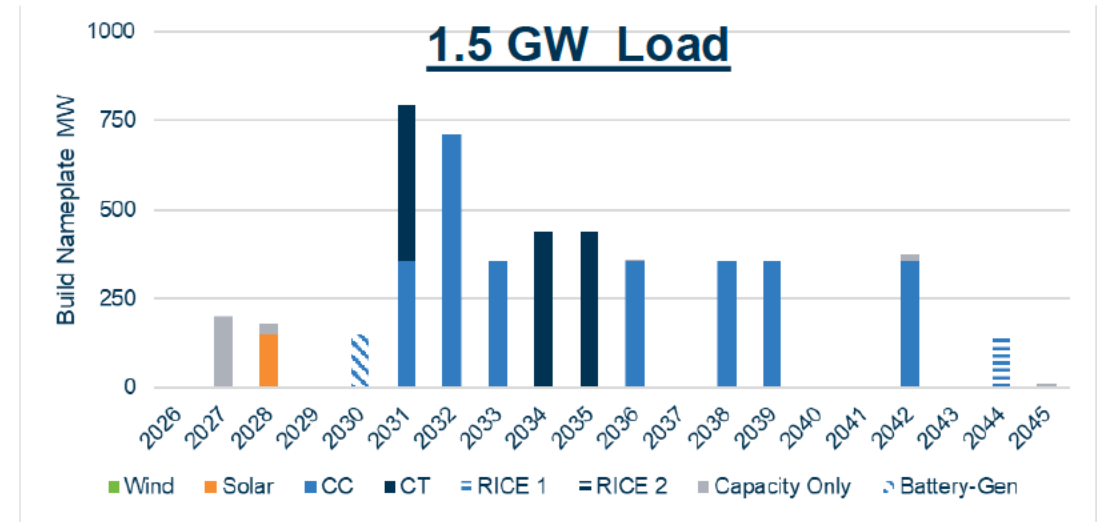
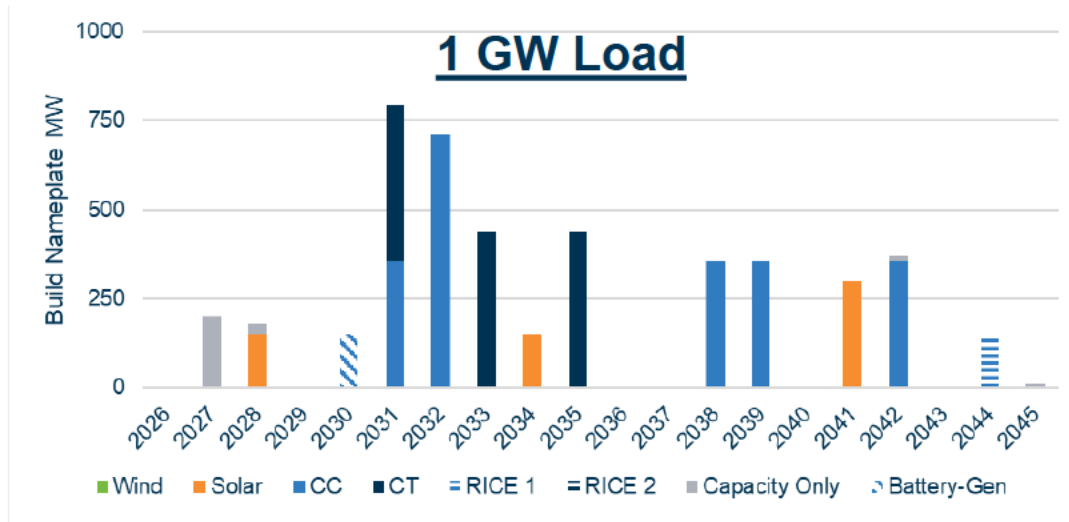


Large Load Scenarios - EM





Large Load Scenarios - EM



New Load Scenario	2031	2032	2033	2034	2035
None	SCGT	½ CCGT			SCGT
500 MW	SCGT, ½ CCGT	½ CCGT, RICE			SCGT
750 MW	SCGT, ½ CCGT	½ CCGT, RICE	SCGT		½ CCGT
1,000 MW	SCGT, ½ CCGT	CCGT	SCGT	Solar	SCGT
1,500 MW	SCGT, ½ CCGT	CCGT	½ CCGT	SCGT	SCGT



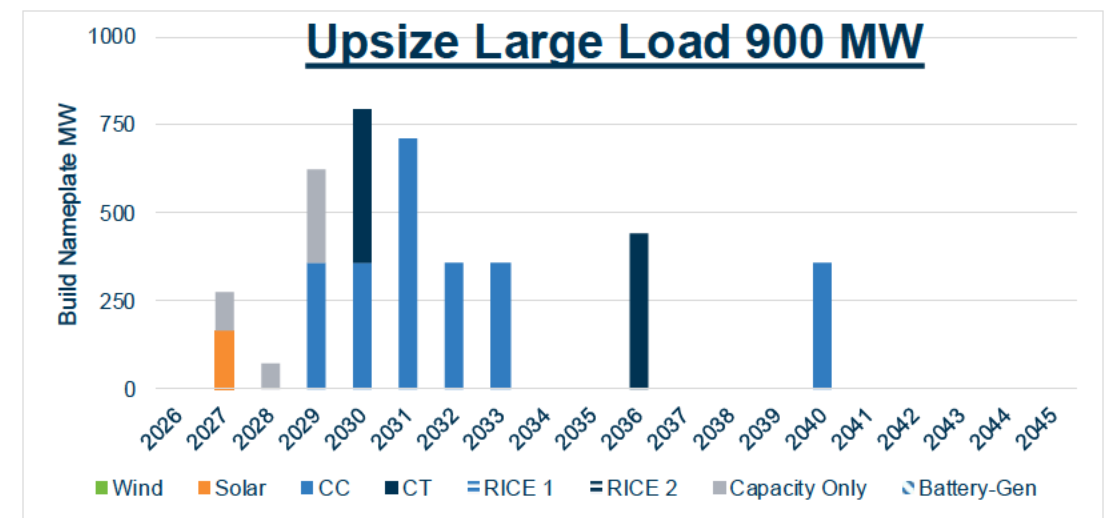
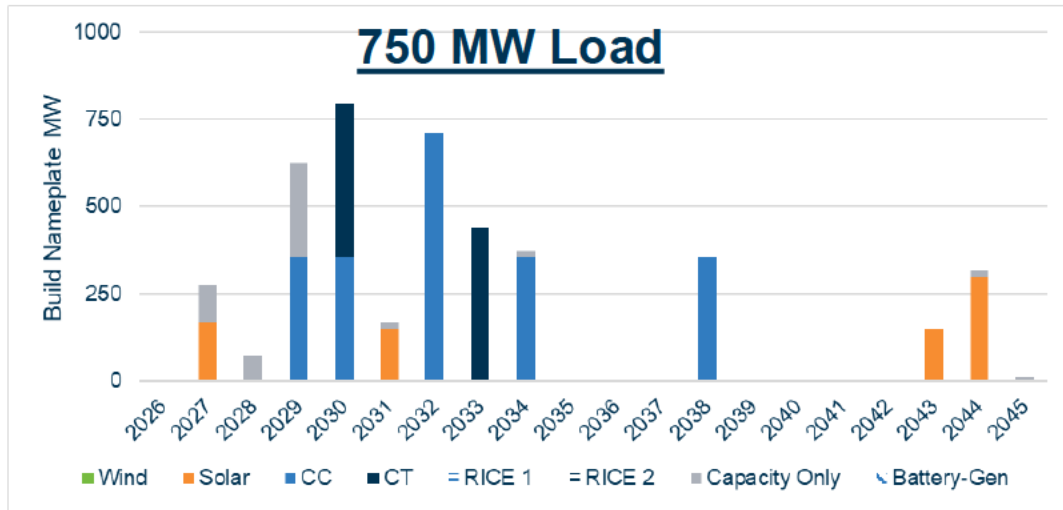
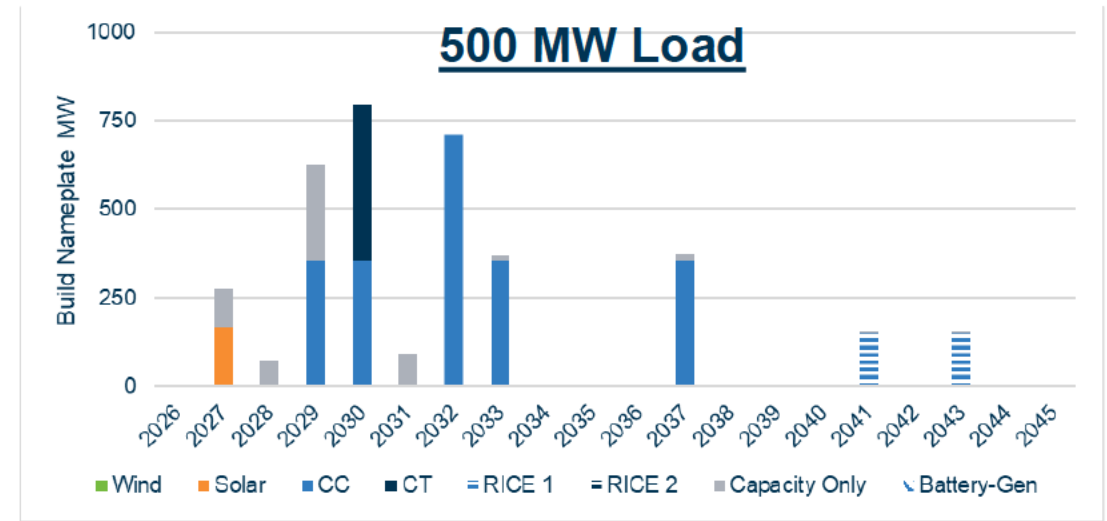
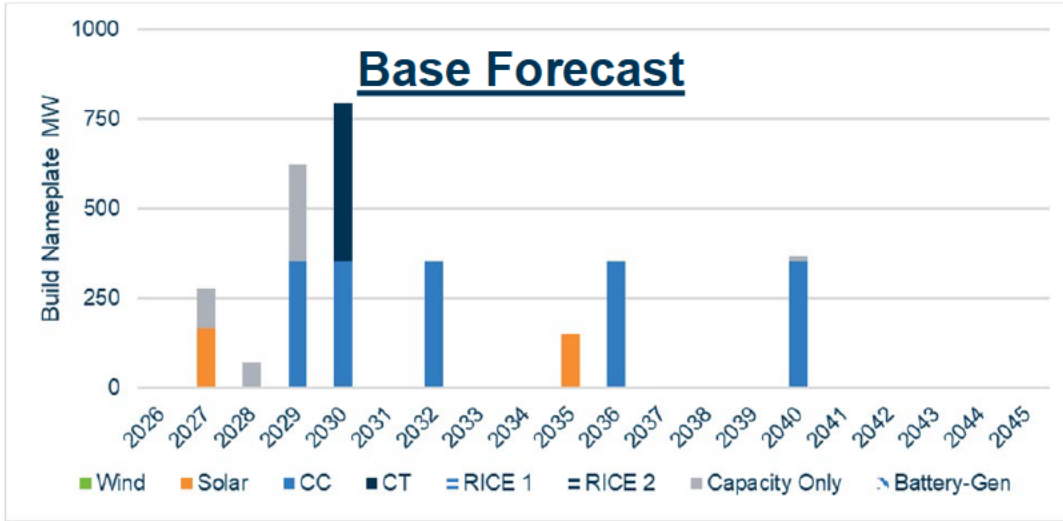
New Large Customer Scenarios - EMW

New Load Scenario	2032	2033	2034	2035+
500 MW	500	500	500	500
750 MW	500	750	750	750
1,000 MW	500	750	1,000	1,000
1,500 MW	500	750	1,000	1,500
Large Customer Upsize	725	900	900	900

- Everygy Missouri West is capacity constrained in early years prior to planned thermal buildout in 2029-2030 and lead time for new thermal projects is ~ 5 years.
- Early load ramps would require greater solar/storage build or procurement of additional market capacity
- EMW has more flexibility to accommodate large customer load ramp beginning in 2032

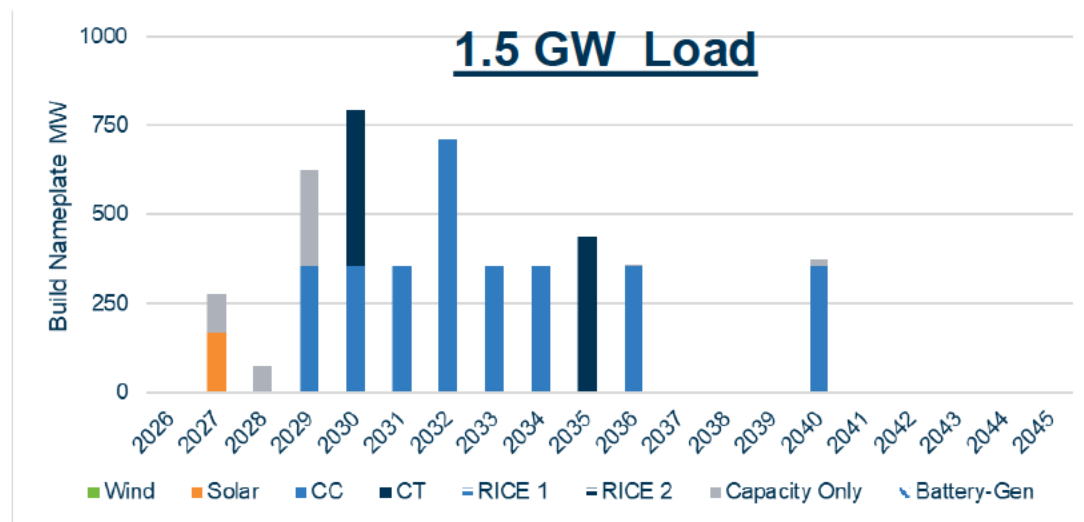
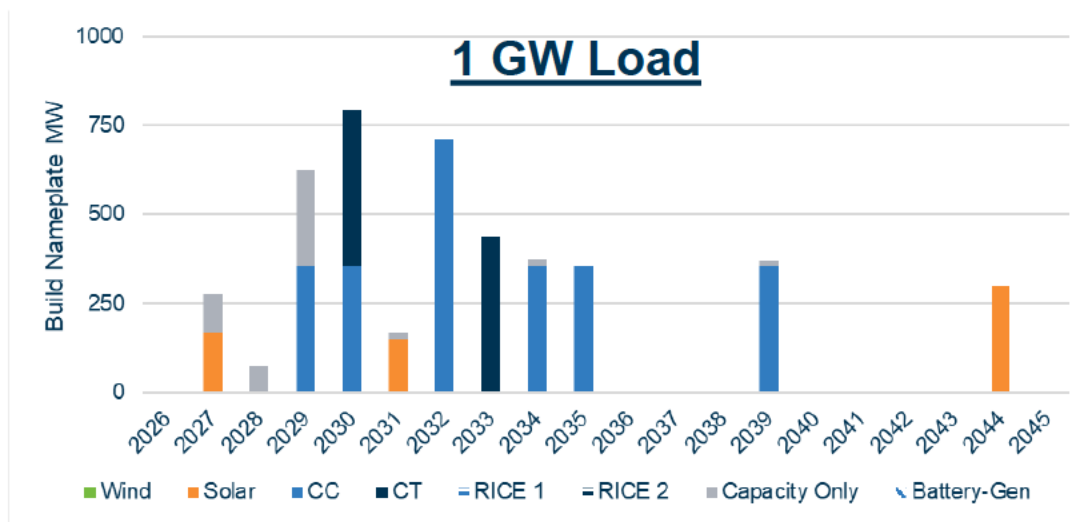


Large Load Scenarios - EMW





Large Load Scenarios - EMW



New Load Scenario	2031	2032	2033	2034	2035
None		½ CCGT			Solar
500 MW		CCGT	½ CCGT		
750 MW	Solar	CCGT	SCGT	½ CCGT	
1,000 MW	Solar	CCGT	SCGT	½ CCGT	½ CCGT
1,500 MW	½ CCGT	CCGT	½ CCGT	½ CCGT	SCGT
Large Customer Upsize	CCGT	½ CCGT	½ CCGT		

Resource Acquisition Strategy





Implementation Plan

- Development of two solar facilities known as Sunflower Sky Solar and Foxtrot Solar Projects.
- Development of two advanced class 710 MW combined cycle gas turbine generating facilities known as the Chisholm Trail (previously Viola) and McNew Generating Stations. EMW will own ½ of each plant
- Development of two 440 MW simple cycle gas turbine generating facilities known as the Mullin Creek #1 and Mullin Creek #2 Generating Stations.
- Acquisition of future projects will be achieved through a combination of self-development projects and offer bids from the 2025 All Source RFP.

Chisholm Trail 1x1 CCGT – 2029 Operation

Metric	Value
Plant Name	Chisholm Trail (Previously Viola)
Plant Output	710 MW
Fuel Supply	Single Fuel – Natural Gas
Location	Sumner County, KS
Plant Efficiency (%LHV) at ISO	~64%
Minimum Emission Compliant Load	22% (154 MWs) – Short durations on bypass
Ownership	50% - Evergy Kansas Central 50% - Evergy Missouri West



The Chisholm Trail Energy Center, located in Sumner County, Kansas, began construction on February 9th, 2026. The project is currently advancing through the underground utilities phase, supported by fully established construction power and water services.



Reno County/McNew 1x1 CCGT – 2030 Operation

Metric	Value
Plant Planning Name	McNew
Plant Output	710 MW
Fuel Supply	Single Fuel – Natural Gas
Location	Hutchinson, KS
Plant Efficiency (%LHV) at ISO	~64%
Minimum Emission Compliant Load	22% (154 MWs) - Short durations on bypass
Ownership	50% - Evergy Kansas Central 50% - Evergy Missouri West



McNew is located in Reno County, Kansas in a salt production community adjacent to natural gas infrastructure. Mobilization for the project is planned for the first week of August 2026



Nodaway County/Mullin Creek #1 SCGT– 2030 Operation

Metric	Value
Plant Name	Mullin Creek #1
Plant Output	440 MW
Fuel Supply	Dual Fuel – Natural Gas & Fuel Oil
Location	Nodaway County, MO
Plant Efficiency (%LHV) at ISO	~44%
Minimum Emission Compliant Load	35% (154 MWs)
Ownership	100% - Evergy Missouri West



Mullin Creek #1 is located in Nodaway County, Missouri adjacent to a large 345 kV substation. Mobilization to site is expected in June 2026 with commercial operation prior to summer 2030



Nodaway County/Mullin Creek #2 SCGT– 2031 Operation

Metric	Value
Plant Name	Mullin Creek #2
Plant Output	440 MW
Fuel Supply	Dual Fuel – Natural Gas & Fuel Oil
Location	Nodaway County, MO
Plant Efficiency (%LHV) at ISO	~44%
Minimum Emission Compliant Load	35% (154 MWs)
Proposed Ownership	100% - Evergy Metro



Mullin Creek #2 is located in Nodaway County, Missouri adjacent to a large 345 kV substation. It will be a sister station to Mullin Creek #1 located on the same site.

Wilson County/Sunflower Sky – 2027 Operation

Metric	Value
Project Name	Sunflower Sky
Location	Wilson County, KS
Fuel	Sunlight
Plant Output	65 MWac
Estimated Net Capacity Factor	28.4%
Max PTC/ITC qualification	100% PTC/30% ITC
Proposed Ownership	100% Evergy Missouri West



Sunflower Sky Solar is a 65 MWac solar facility located in Wilson County, Kansas. Crews mobilized to site in late 2025. The project is scheduled to go into service in early 2027

Jasper County/Foxtrot Solar – 2027 Operation

Metric	Value
Project Name	Foxtrot Solar
Location	Jasper County, MO
Fuel	Sunlight
Plant Output	100 MWac
Estimated Net Capacity Factor	24.2%
Max PTC/ITC qualification	100% PTC/30% ITC + Energy Community 10% Bonus
Proposed Ownership	100% Evergy Missouri West



Foxtrot Solar is a 100 MWac solar facility located in Jasper County, Missouri. Onsite construction began in early 2026. It is scheduled to go into service in early 2027



Q&A

Next Steps

- *Filing of Summary Report (today's presentation) and notice of any changes to Annual Update (within 10 days of this meeting)*
- *Stakeholder comments due (within 30 days of Summary Report being filed)*