2025 Illinois State Infrastructure Report (January 1, 2025 – December 31, 2025)

June 2026

This report reflects information for the portion of Illinois within the PJM service territory.

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Executive Summary

2025 Illinois State Infrastructure Report

In the Illinois service territory:

Existing Capacity:	• In the Illinois portion of PJM, natural gas represents 43% of the total installed capacity while nuclear represents 39%. • Across PJM, natural gas represents 48% of total installed capacity while nuclear represents 18%.
Interconnection Requests:	PJM will update this report with a more detailed breakdown of interconnection requests after the Cycle 1 applications have all been reviewed and posted to PJM.com.
Deactivations:	Illinois had 300 MW of generation deactivate in 2025 and an additional 2,699 MW in 2025 provide notice of their intent to deactivate in future years.
RTEP 2025:	Illinois's 2025 RTEP project total represents approximately $963.87 million in investment.

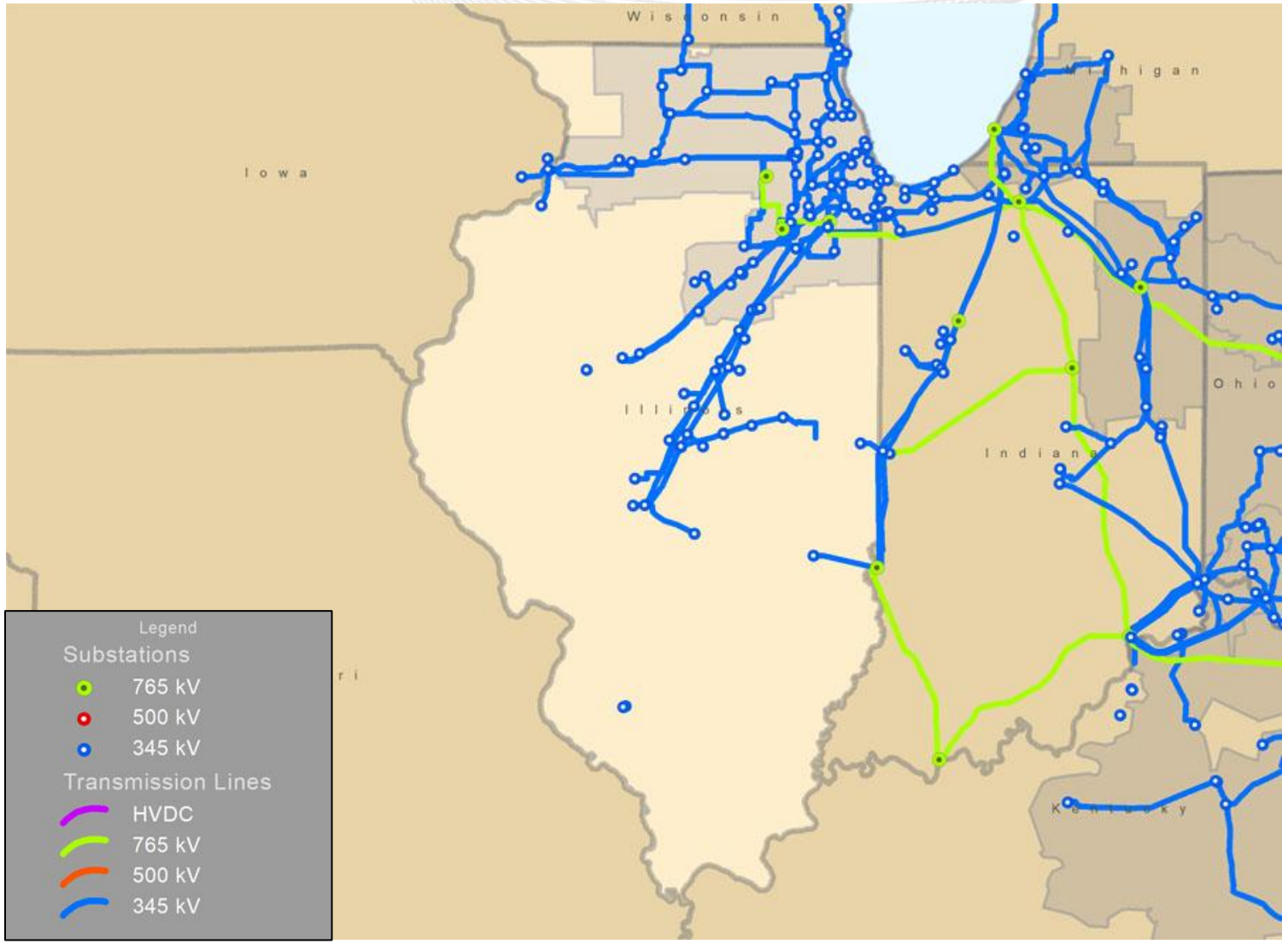
Executive Summary

2025 Illinois State Infrastructure Report

In the Illinois service territory:

Load Forecast:	Illinois's summer peak load is projected to increase by 3.9% annually over the next ten years, while the winter peak is projected to increase by 5.6% percent.
Capacity Market:	• The 2026/27 Base Residual Auction cleared at the $329.17 price cap. • The 2027/28 Base Residual Auction cleared at the $333.44 price cap.
Market Performance:	Illinois's average hourly LMPs were lower than the PJM average hourly LMP.
Emissions:	Illinois's average CO_2 emissions increased in 2025 compared to 2024 levels.

PJM Service Area in Illinois



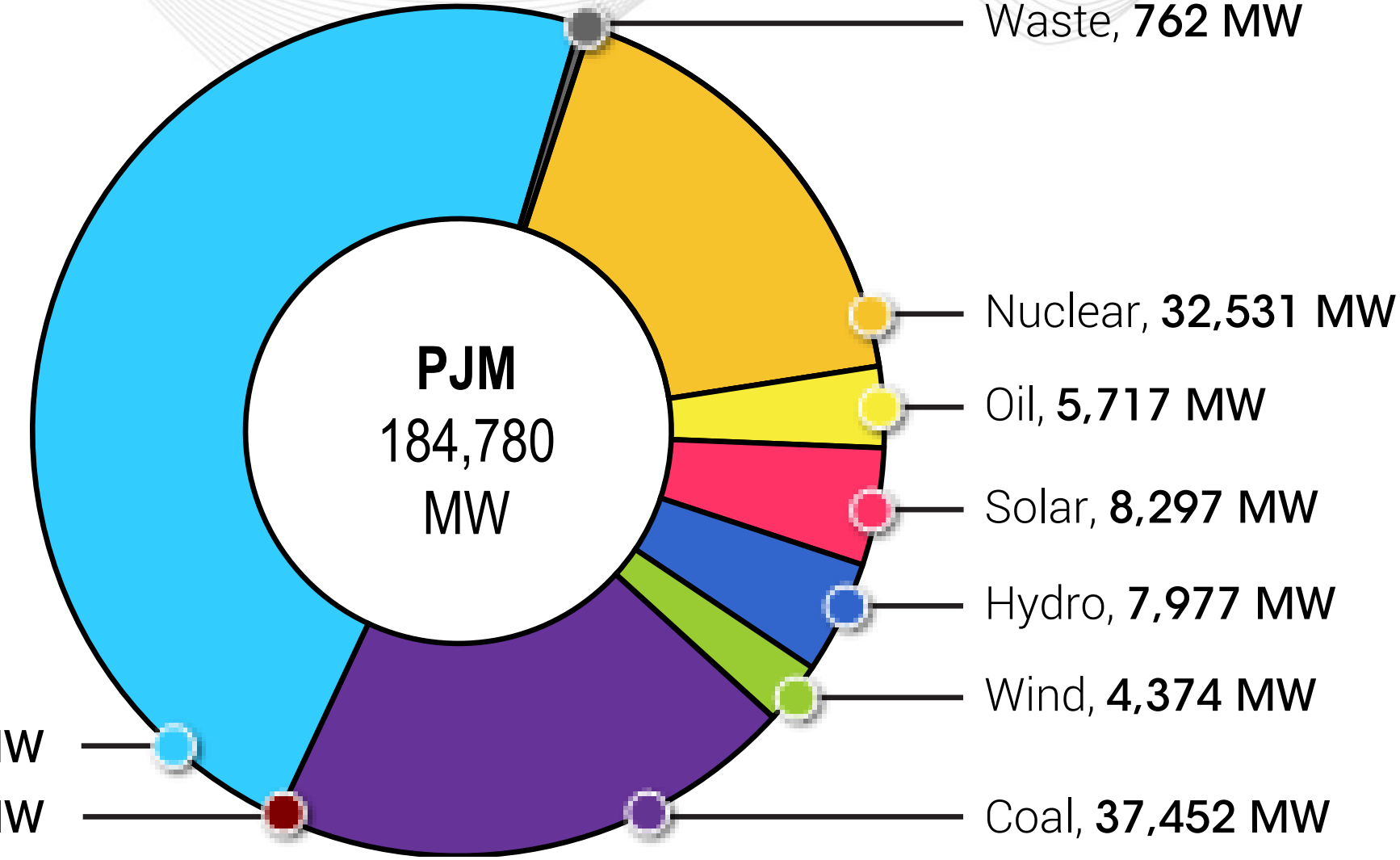
The PJM service area in Illinois is the ComEd zone and is represented by the shaded portion of the Illinois state map.

PJM operates transmission lines that extend beyond the service territory.

Planning
Generation Portfolio Analysis

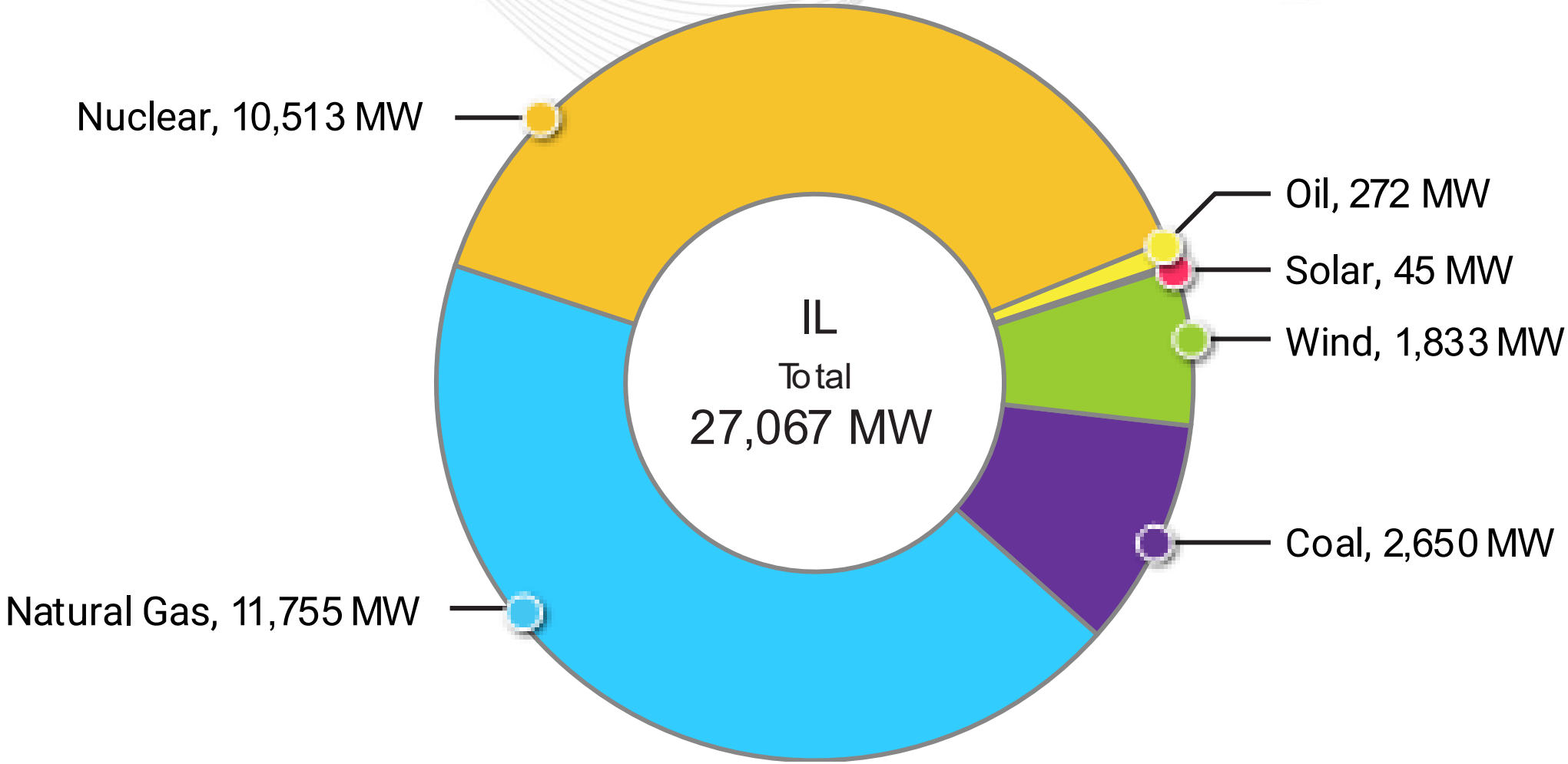
PJM Existing Installed Capacity Mix

(CIRs – as of Dec. 31, 2025)



Illinois – Existing Installed Capacity (MW) by Fuel Type

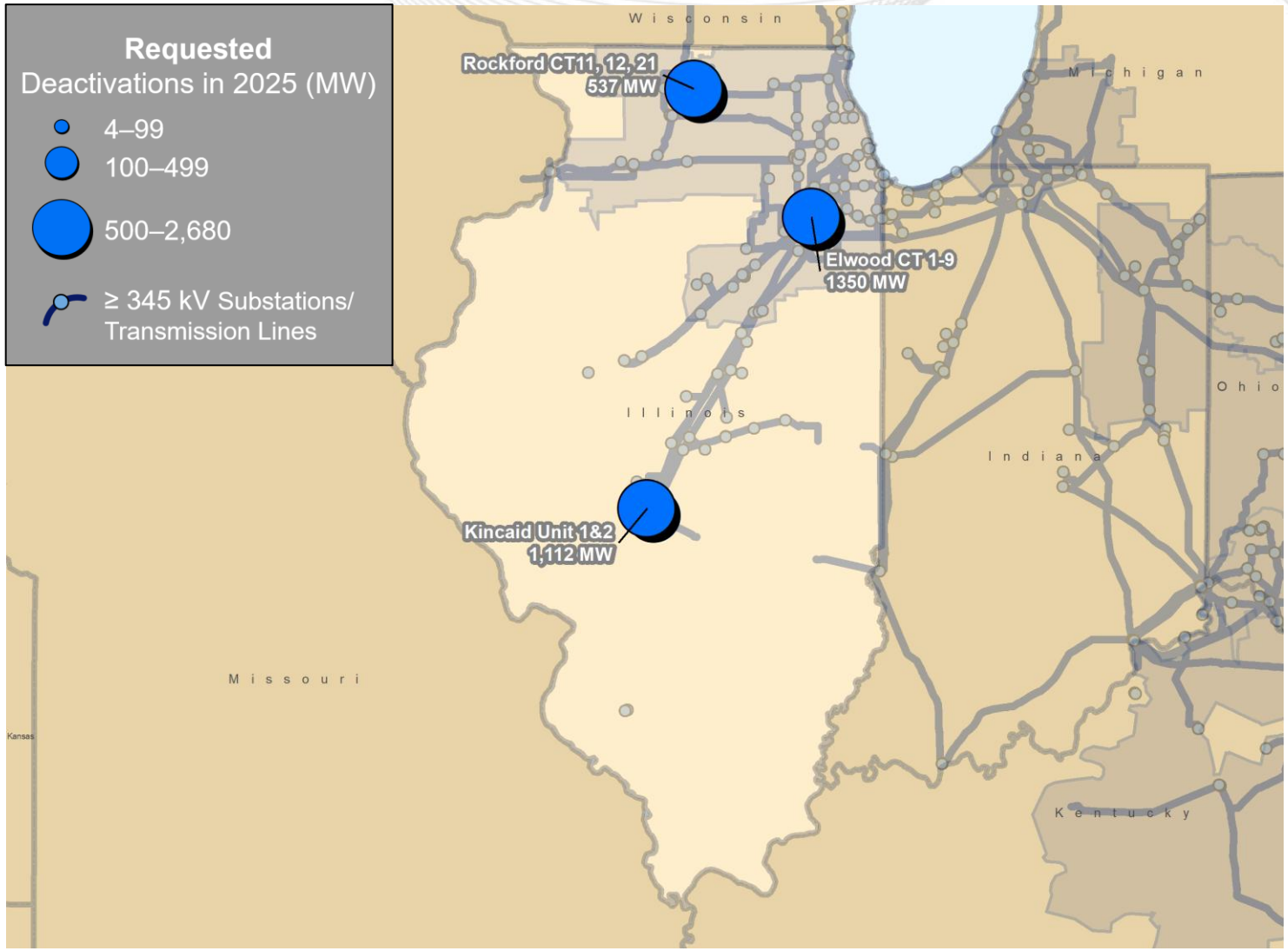
(CIRs – as of Dec. 31, 2025)



Queued Capacity (Nameplate) by Fuel Type

PJM will update this report with a more detailed breakdown of interconnection requests after the Cycle 1 applications have all been reviewed and posted to PJM.com.

Illinois – 2025 Generator Deactivations



Illinois – 2025 Generator Deactivations

Unit	TO Zone	Fuel Type	Request Received to Deactivate	Actual or Projected Deactivation Date	Age (Years)	Capacity (MW)
Kincaid Unit 2	ComEd	Coal	7/22/2025	11/30/2027	57	556
Kincaid Unit 1	ComEd	Coal	7/22/2025	11/30/2027	58	556
Rockford CT11	ComEd	Natural Gas	5/1/2025	6/1/2027	25	179
Rockford CT12	ComEd	Natural Gas	5/1/2025	6/1/2027	25	178
Rockford CT21	ComEd	Natural Gas	5/1/2025	6/1/2027	23	180
Elwood CT 9	ComEd	Natural Gas	3/21/2025	6/1/2025	25	150
Elwood CT 8	ComEd	Natural Gas	3/21/2025	6/1/2025	25	150
Elwood CT 7	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 6	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 5	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 4	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 3	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 2	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150
Elwood CT 1	ComEd	Natural Gas	3/21/2025	6/1/2026	25	150

Planning

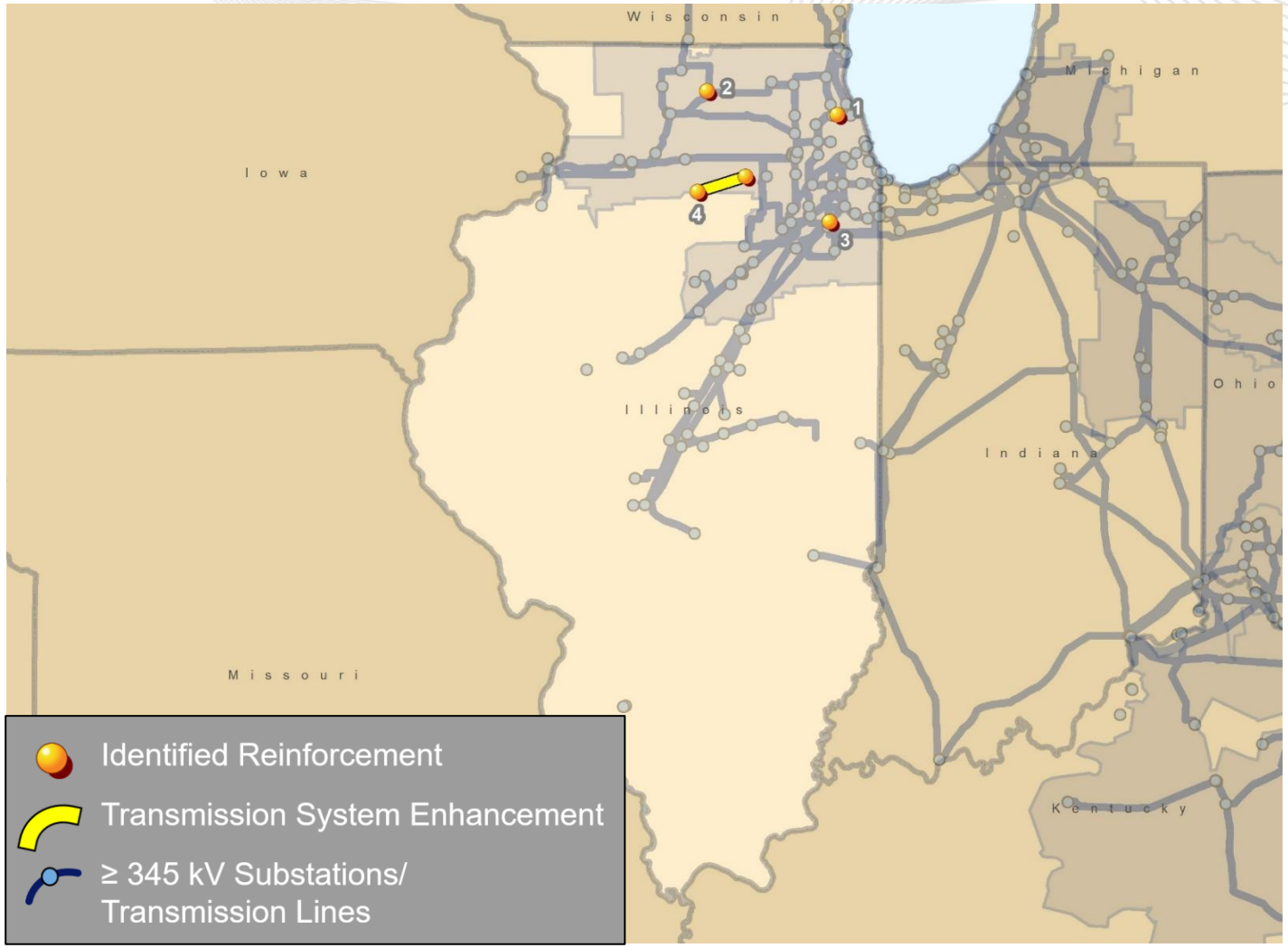
Transmission Infrastructure Analysis

For reporting purposes, the 2025 state infrastructure reports provide maps displaying all baseline, network, and supplemental projects for the respective state. The reports also include aggregated project costs for each type of project within each state. The costs listed in the state infrastructure reports and 2025 Annual RTEP Report are not indicative of each project's cost allocation.

For a detailed list of each project shown on a state's project map, please see that state's section in the **2025 Annual RTEP Report** on PJM.com: https://www.pjm.com/-/media/DotCom/library/reports-notices/2025-rtep/2025-rtep-report.pdf

The complete list of all RTEP projects in PJM, including those from prior years, can be found at the **RTEP Upgrades & Status – Transmission Construction Status** page on PJM.com: https://www.pjm.com/planning/m/project-construction.

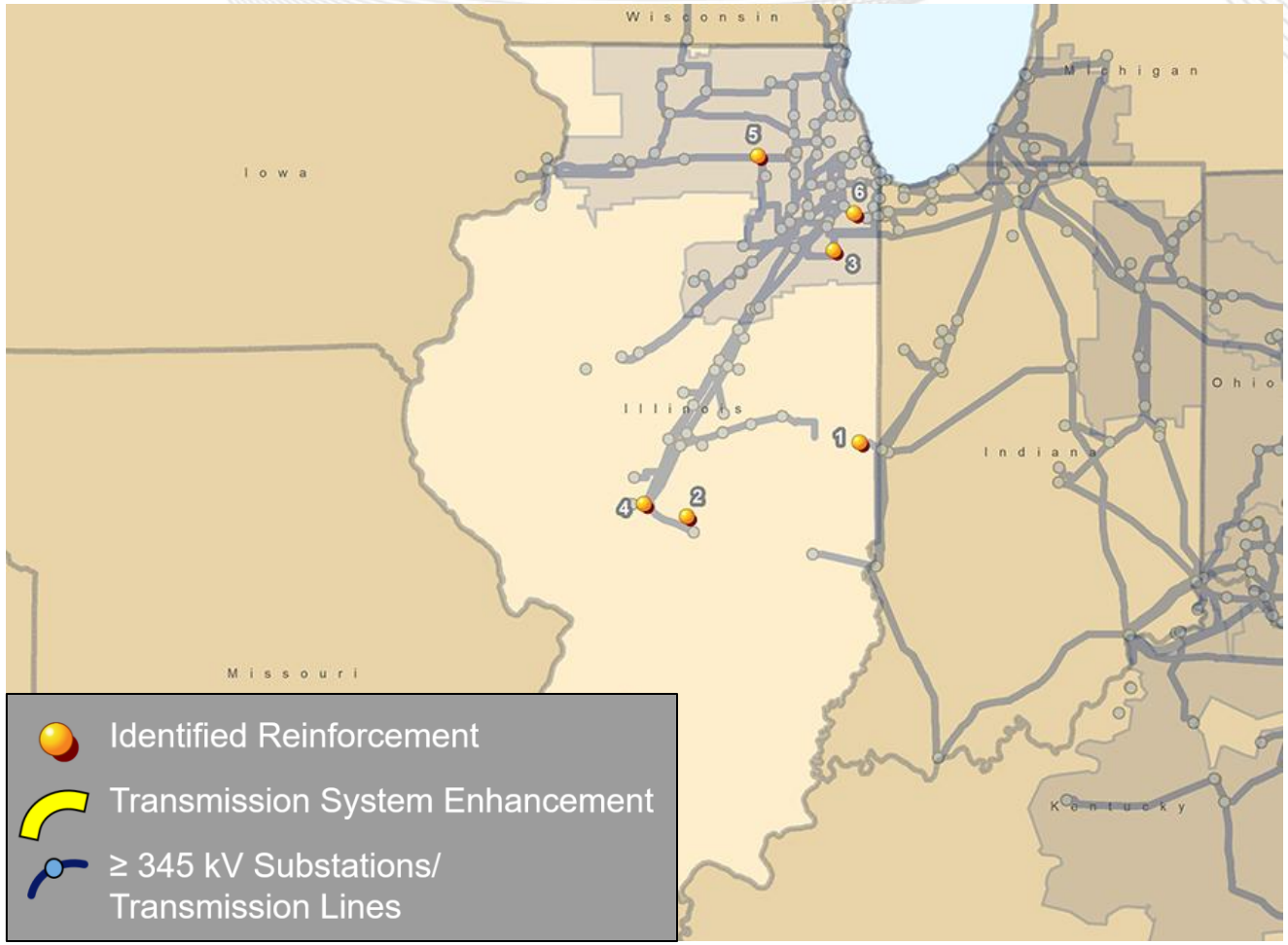
Illinois – RTEP Baseline Projects



The 2025 RTEP has $255.08 million in baseline projects located in Illinois.

Note: Baseline upgrades are those that resolve a system reliability criteria violation. Baseline projects listed in the annual RTEP report reflect project costs within a specific location and are not indicative of the project's cost allocation.

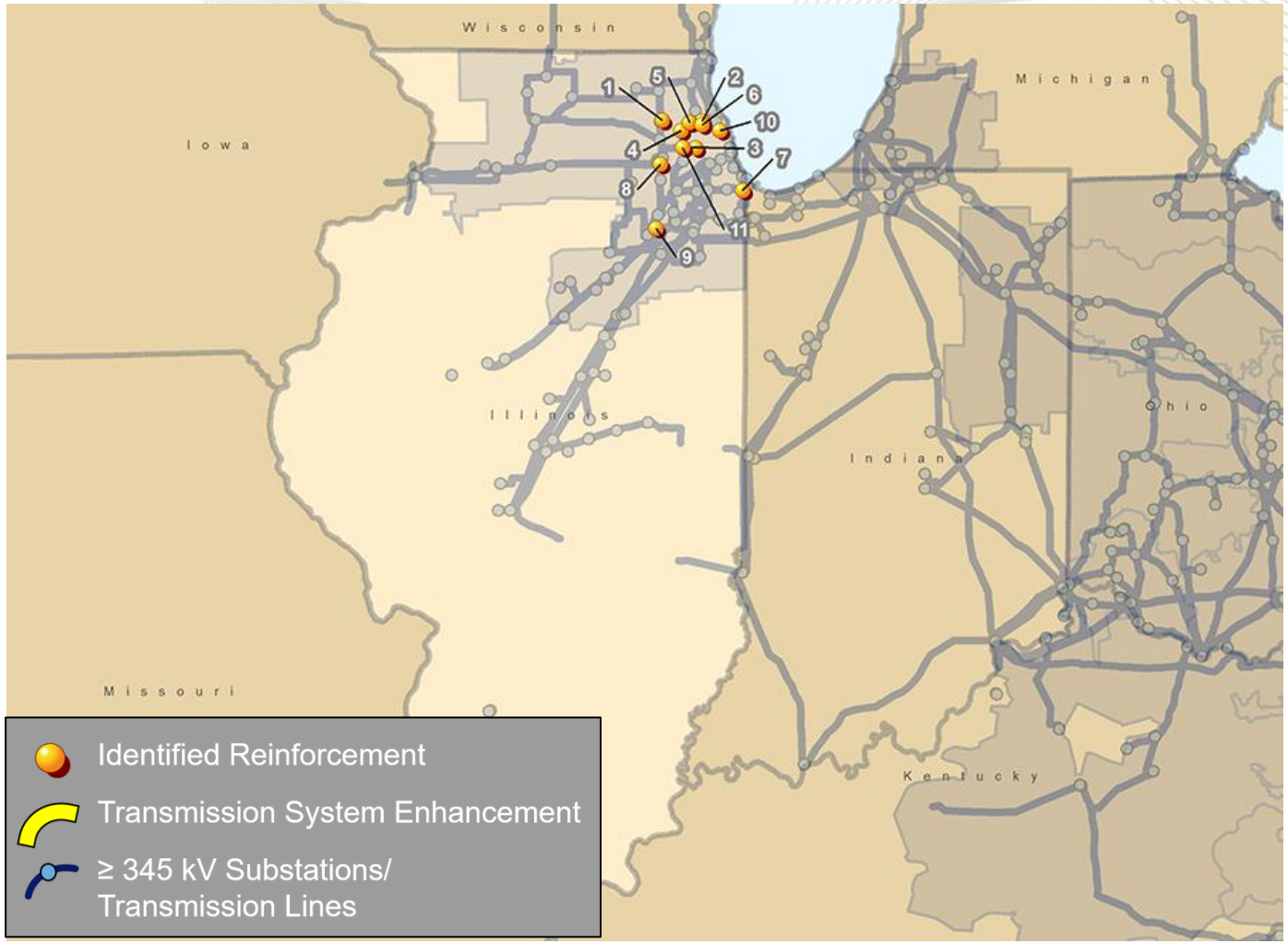
Illinois – RTEP Network Projects



The 2025 RTEP has $42.79 million in network projects located in Illinois.

Note: Network projects are new or upgraded facilities required primarily to eliminate reliability criteria violations caused by proposed generation, merchant transmission or long-term firm transmission service requests, as well as certain direct connection facilities required to interconnect proposed generation projects. The costs of network projects are borne by the interconnection customer.

Illinois – TO Supplemental Projects

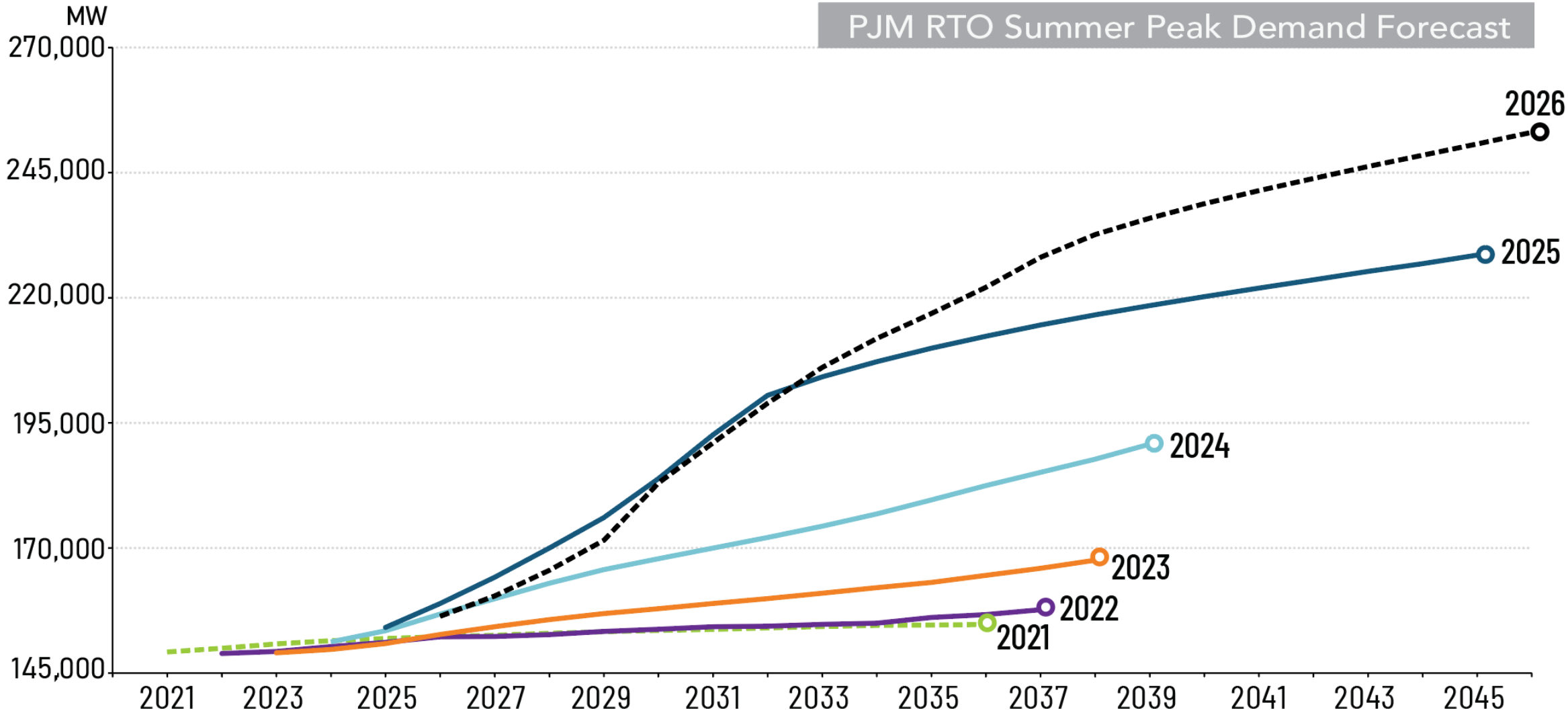


The 2025 RTEP has $666 million in supplemental projects located in Illinois.

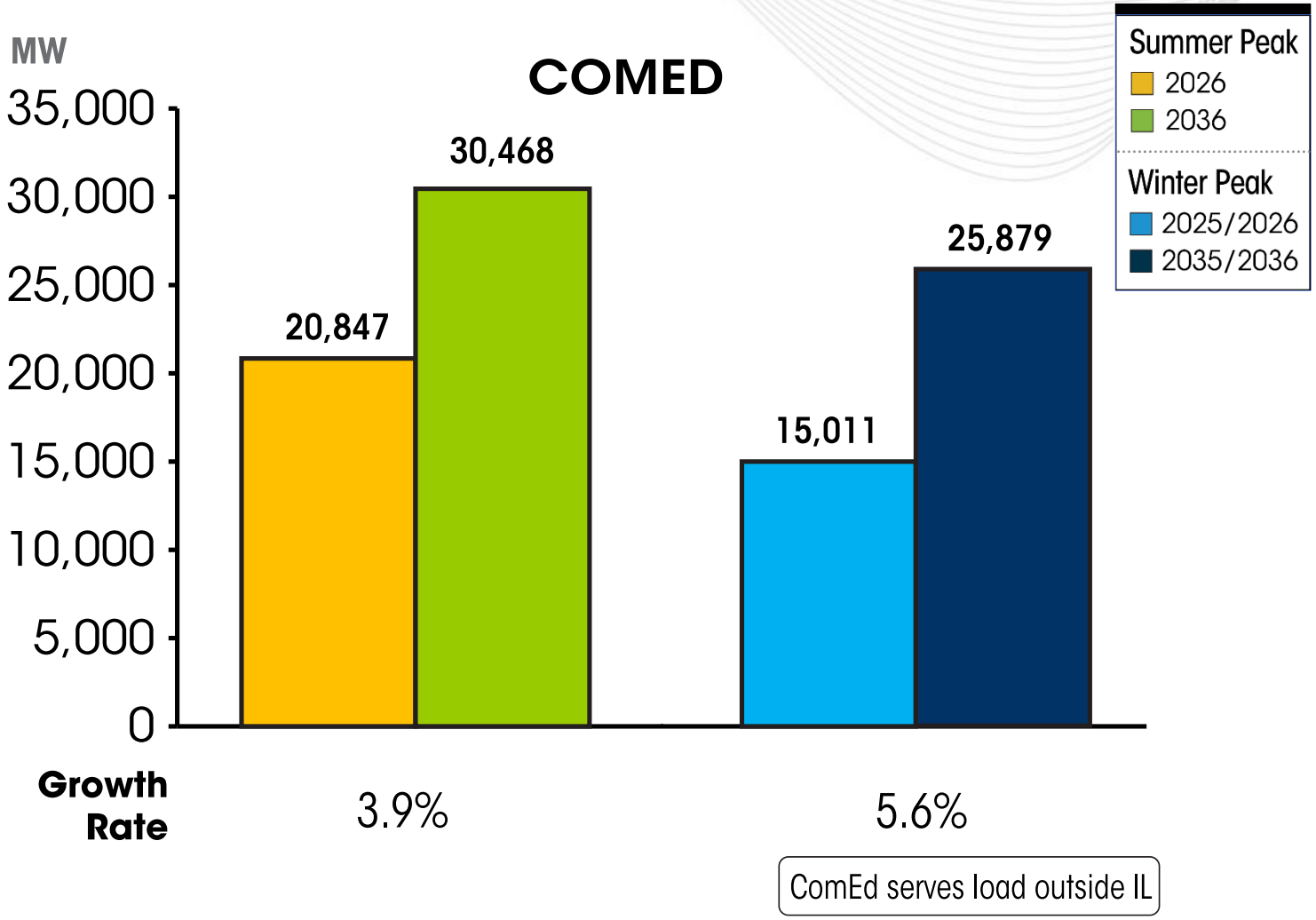
Note: Supplemental projects are transmission expansions or enhancements that are not required for compliance with PJM criteria and are not state public policy projects according to the PJM Operating Agreement. These projects are used as inputs to RTEP models, but are not required for reliability, economic efficiency or operational performance criteria, as determined by PJM.

Planning
Load Forecast

Electricity Demand Growth
(2021–2026)



Illinois – 2026 Load Forecast Report



PJM RTO Summer Peak		PJM RTO Winter Peak	
2026	2036	2025/2026	2035/2036
156,373 MW	222,106 MW	137,670 MW	204,650 MW
Growth Rate 3.6%		**Growth Rate** 4.0%	

The summer and winter peak megawatt values reflect the estimated amount of forecast load to be served by each transmission owner in the noted state/district. Estimated amounts were calculated based on the average share of each transmission owner's real-time summer and winter peak load in those areas over the past five years.

Illinois – Summer Peak Large Load Adjustments

(PJM 2026 Load Forecast)

	Zone	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
IL	COMED	885	1,275	2,058	3,504	5,176	6,850	8,496	9,892	10,537	10,789
PJM TOTAL (MW)		11,479	15,866	21,290	27,371	38,815	46,648	53,958	60,267	65,050	68,977

	Zone	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
IL	COMED	10,846	10,854	10,860	10,866	10,866	10,865	10,866	10,865	10,868	10,870
PJM TOTAL (MW)		72,608	77,029	79,982	81,527	82,656	83,609	84,416	85,128	85,818	86,511

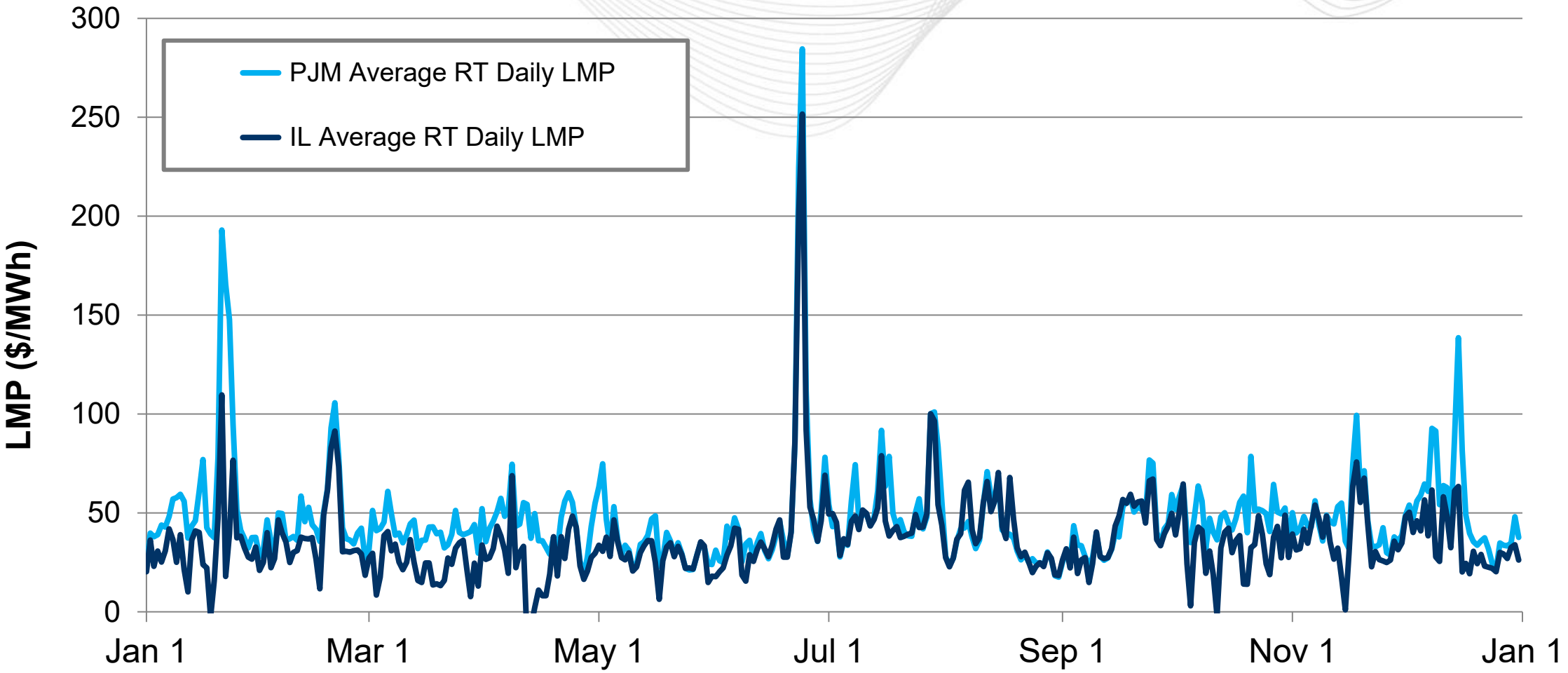
Note: The listed total reflects both existing (2025) and forecasted large load adjustments. It does not include large loads that may exist but have not been submitted to PJM's load forecasting process as a large load adjustment.

Markets

Market Analysis

Illinois – Average Daily LMP

(Jan. 1, 2025 – Dec. 31, 2025)

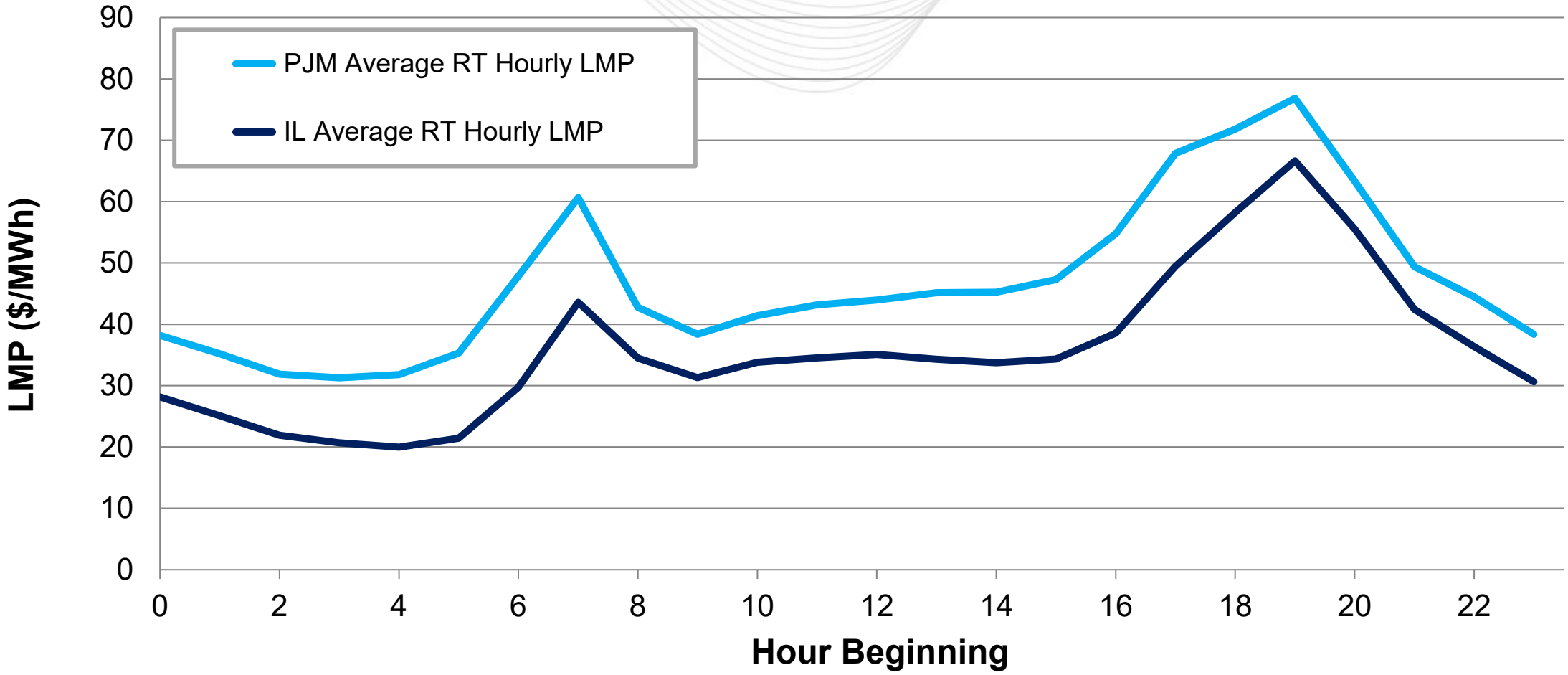


Note: Illinois had negative average LMPs on Jan. 18, April 12-13, and Oct. 12.

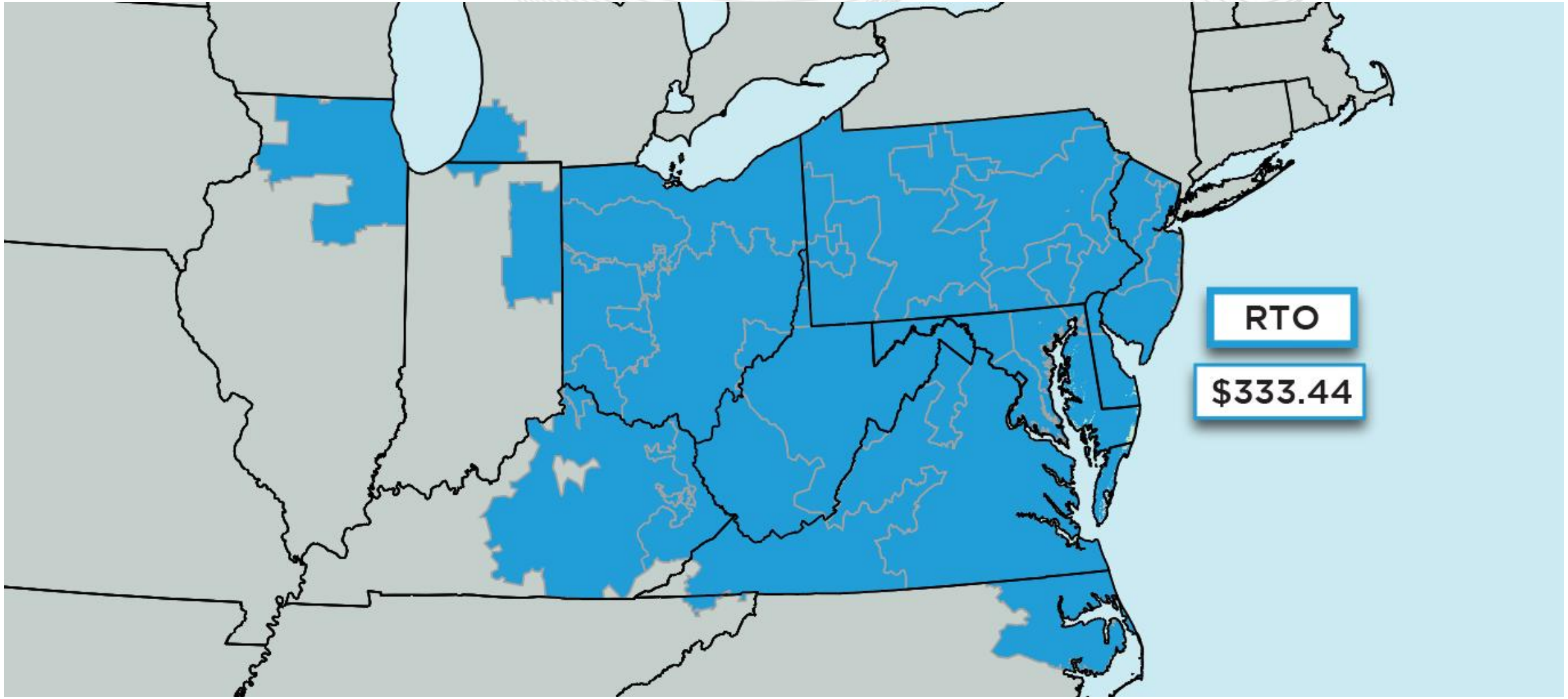
Illinois – Average Hourly LMP

(Jan. 1, 2025 – Dec. 31, 2025)

Illinois's average hourly LMPs were lower than the PJM average hourly LMP.



2027/28 Base Residual Auction Clearing Prices ($/MW-Day)



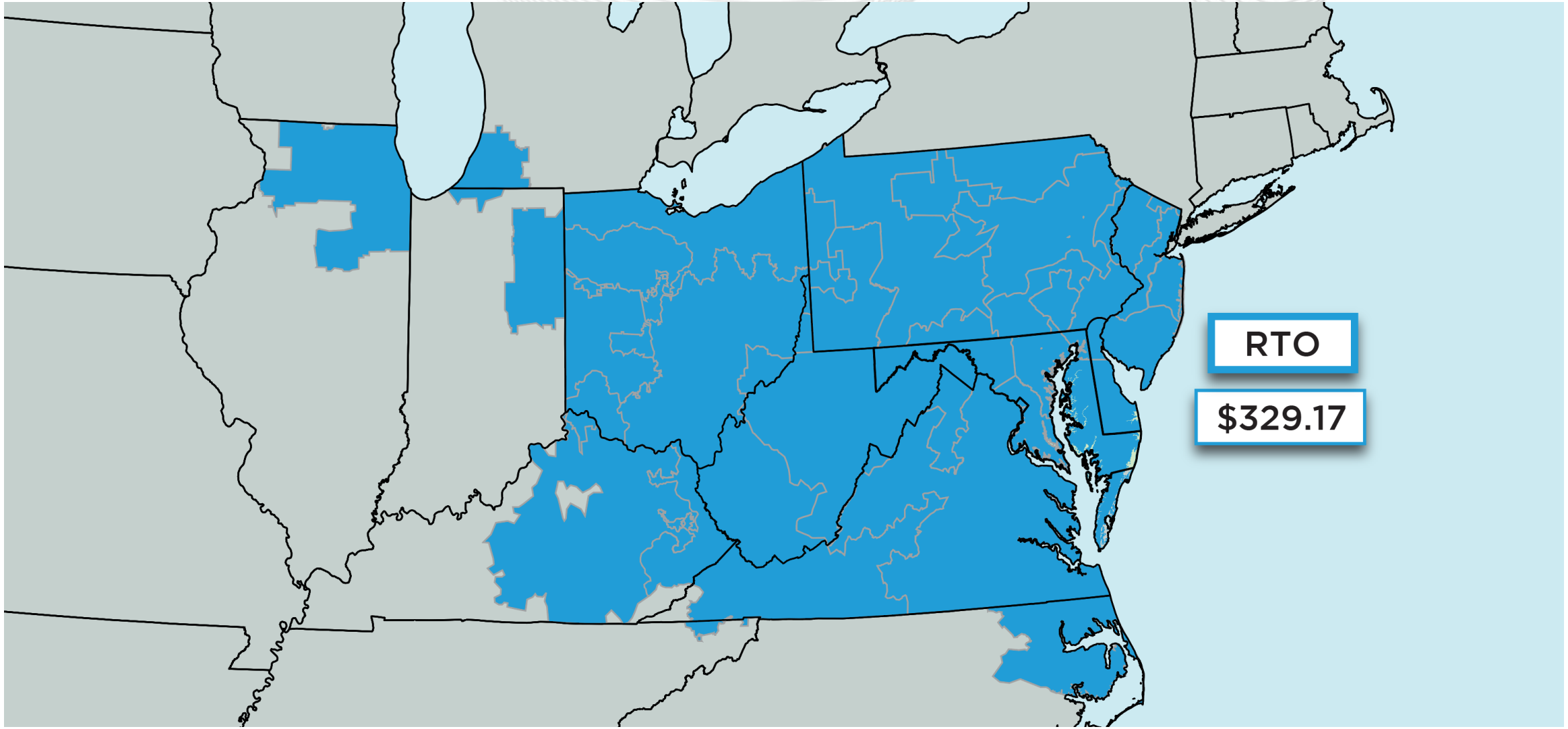
2027/28 Cleared MW (UCAP) by Resource Type

CAPACITY PERFORMANCE

Cleared MW (UCAP)

Resource Type	ANNUAL	SUMMER	WINTER
Generation	127,179.5	-	268.6
DR	7,030.0	268.6	-
PRD	106.5	-	-
Total (MW)	**134,316.0**	**268.6**	**268.6**

2026/27 Base Residual Auction Clearing Prices ($/MW-Day)



2026/2027 Cleared MW (UCAP) by Resource Type

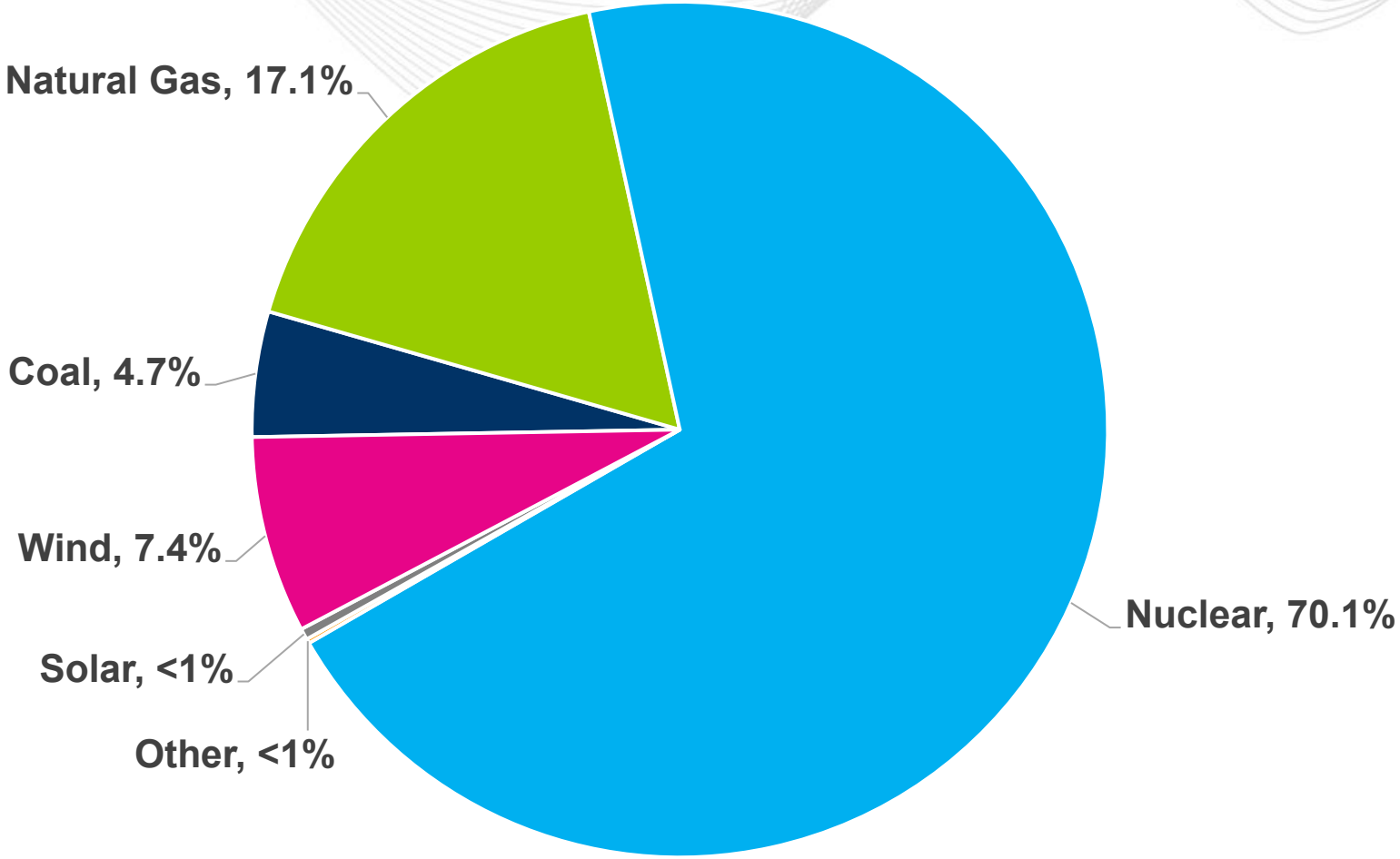
CAPACITY PERFORMANCE

Cleared MW (UCAP)

Resource Type	ANNUAL	SUMMER	WINTER
Generation	128,674.7	-	170.8
DR	5,359.8	170.8	-
PRD	105.5	-	-
Total (MW)	**134,140.0**	**170.8**	**170.8**

Operations

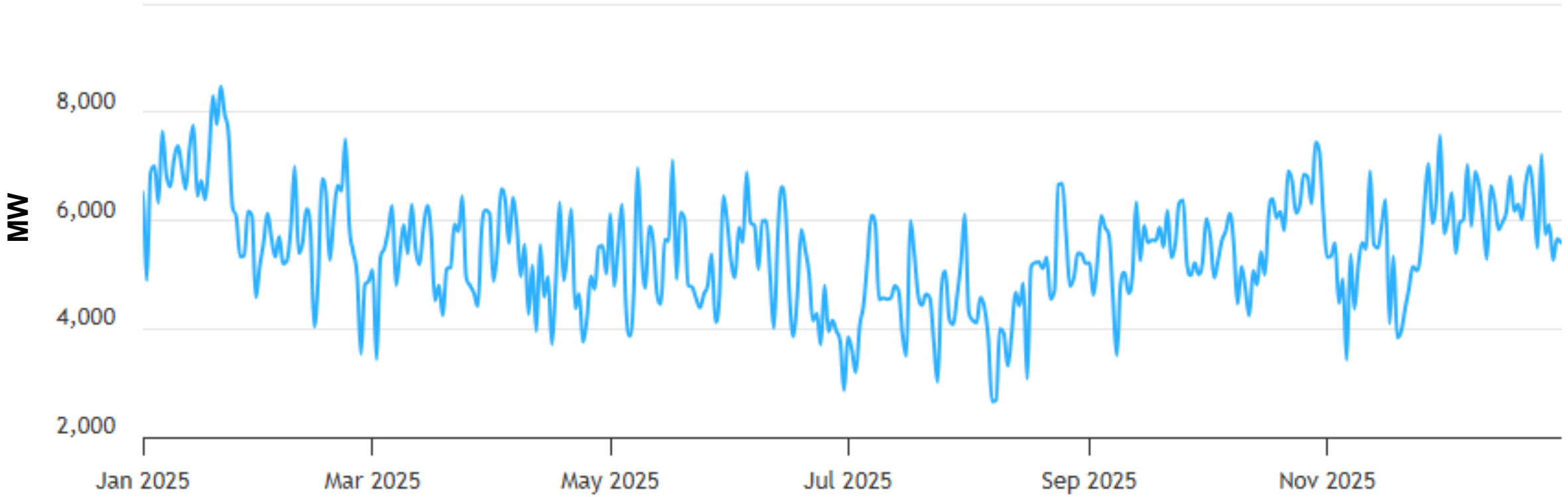
Illinois – 2025 Generator Production



The data in this chart comes from EIA Form 923 (2025) and represents only generators within the PJM portion of Illinois.

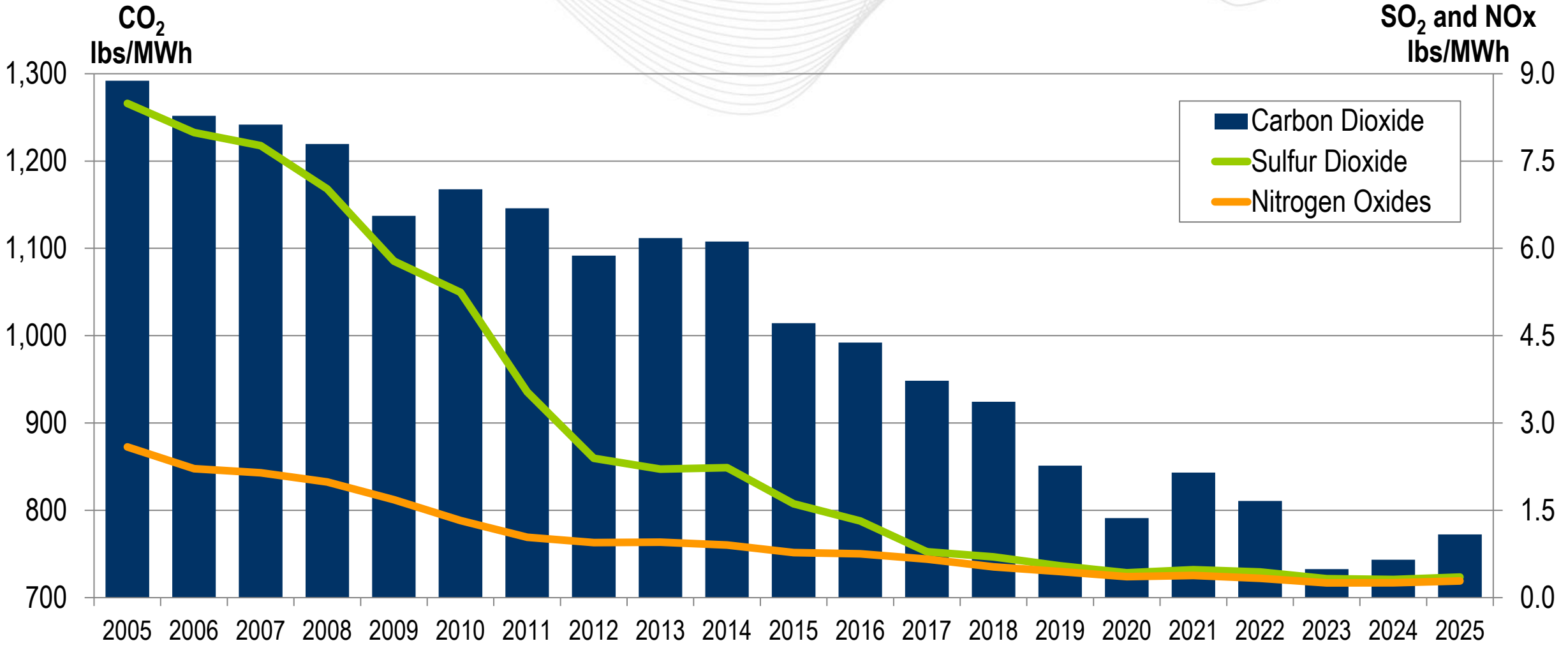
Illinois – Net Energy Import/Export Trend

(Jan. 2025 – Dec. 2025)



Note: This chart reflects the portion of Illinois that PJM operates. Positive values represent exports and negative values represent imports.

PJM System Average Emission Rates



Illinois – Average Emissions (lbs/MWh)

(Feb. 2026)