PJM Energy Transition: Resource Retirements, Replacements and Risks

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Introduction

A "Living Study"

- Energy Transition in PJM: Frameworks for Analysis
- Energy Transition in PJM: Emerging Characteristics of a Decarbonizing Grid

Next Phase

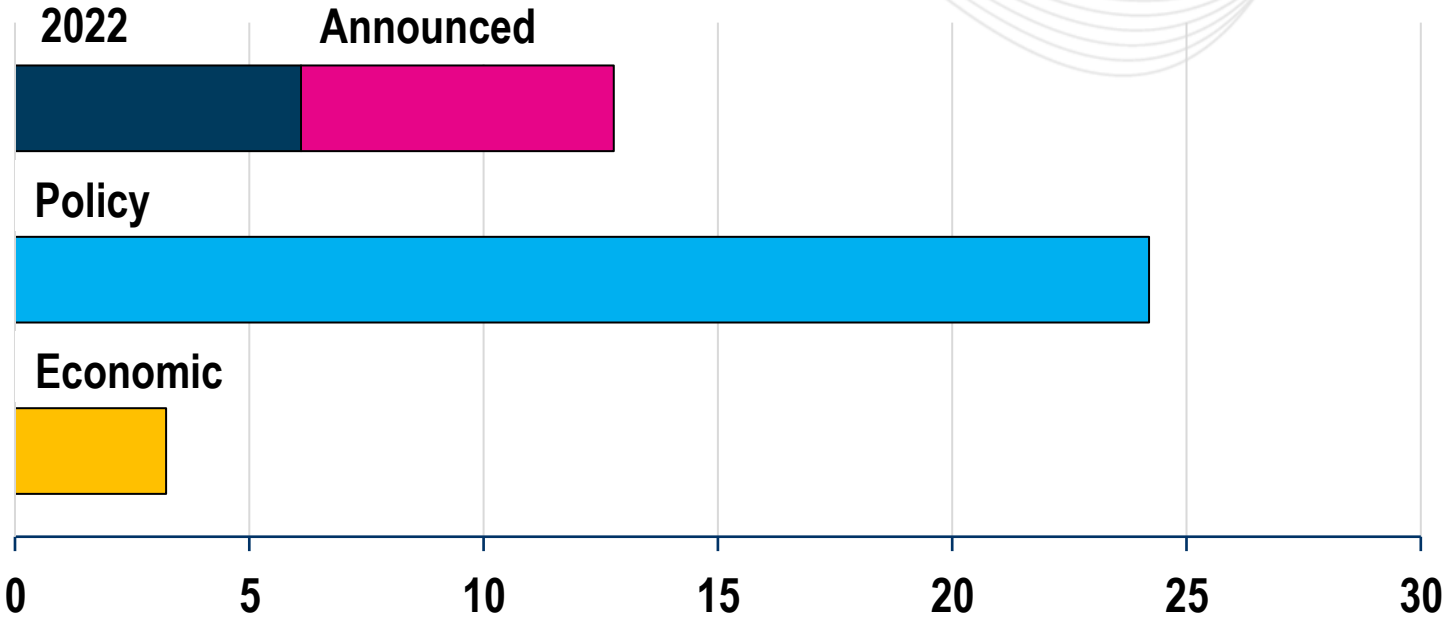
- Energy Transition in PJM: Resource Retirements, Replacements and Risks

Takeaways

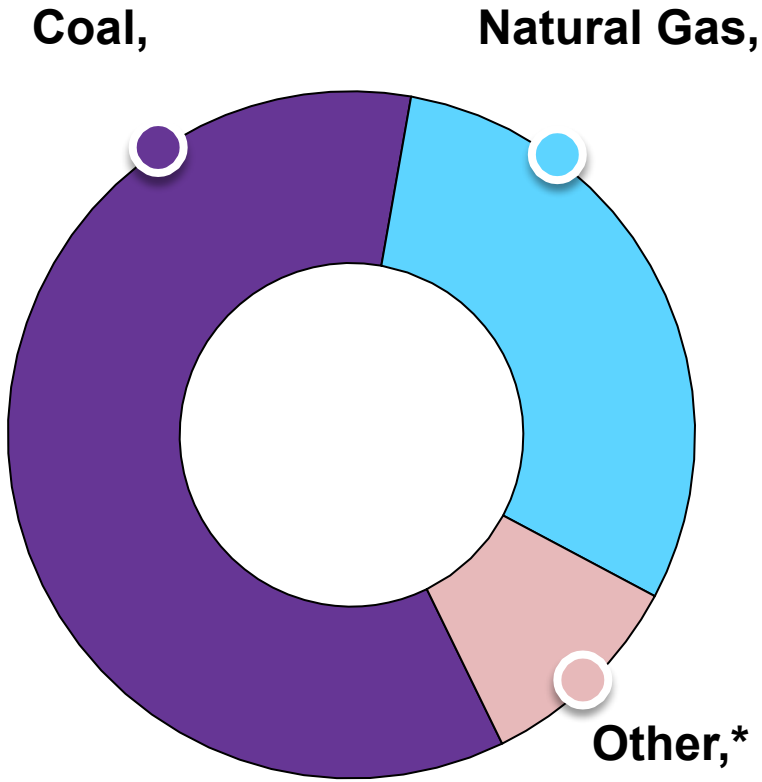
- Intent is to inform and initiate discussion on changes that may be required given industry trends

Forecasted Retirements (2022–2030)

Total Forecasted Retirement Capacity (GW)

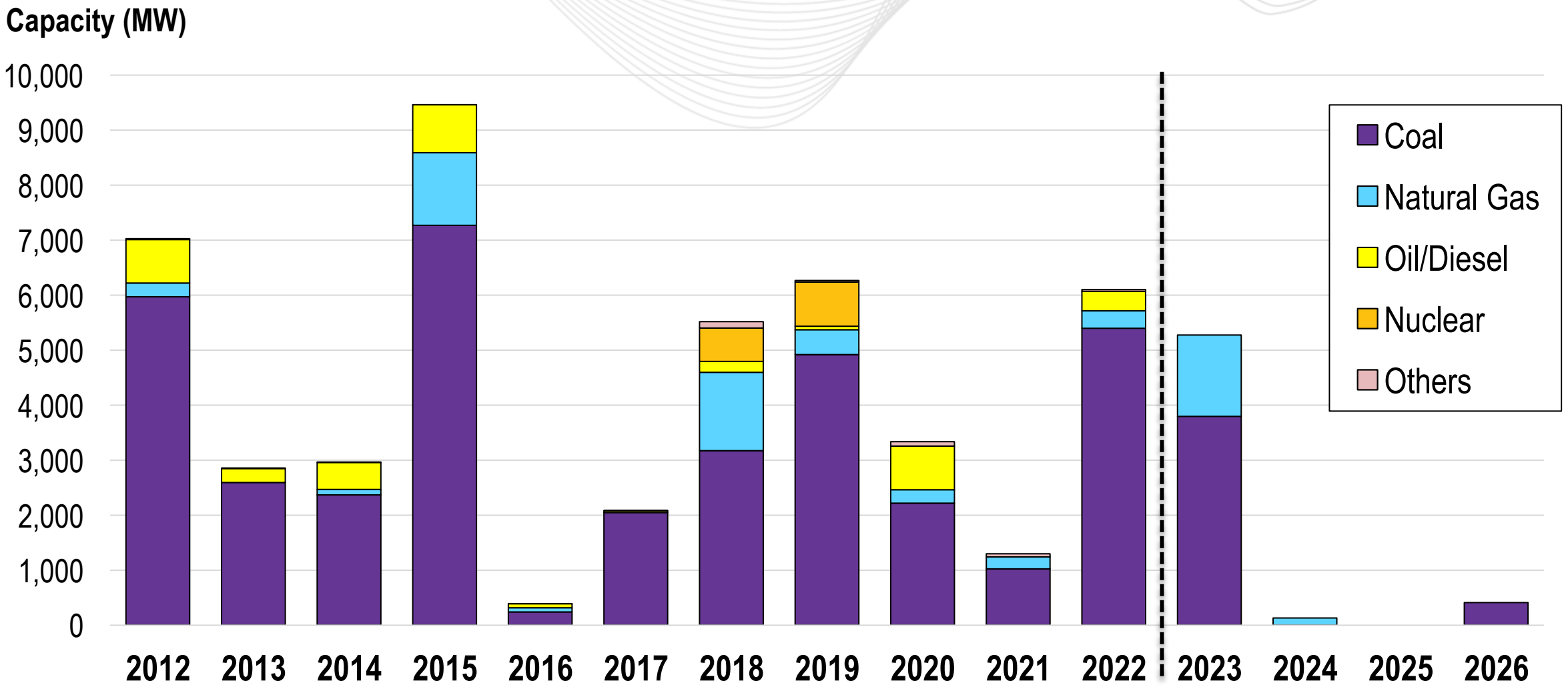


This **40 GW** represents
21% of PJM's current
192 GW of installed generation

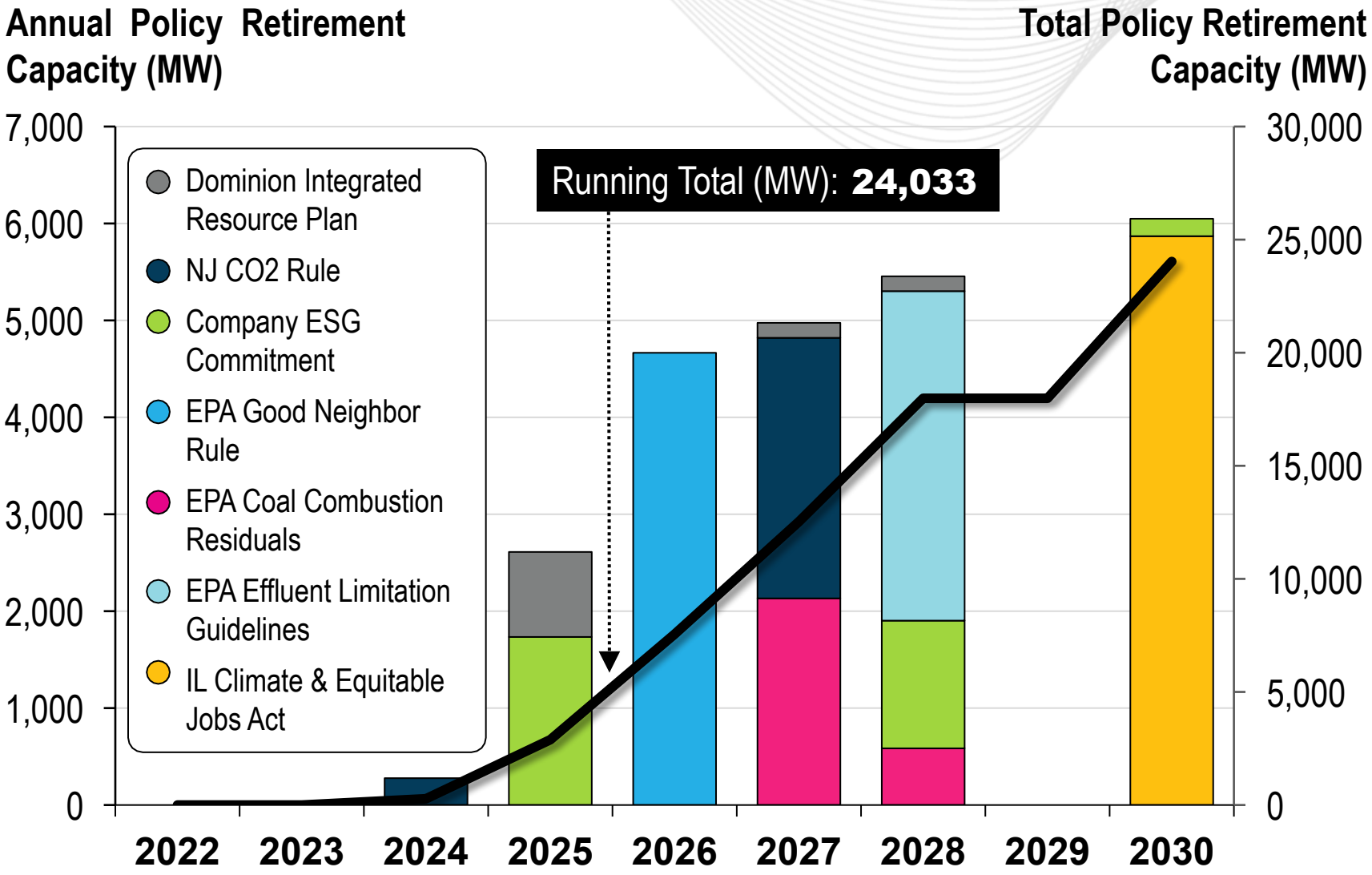


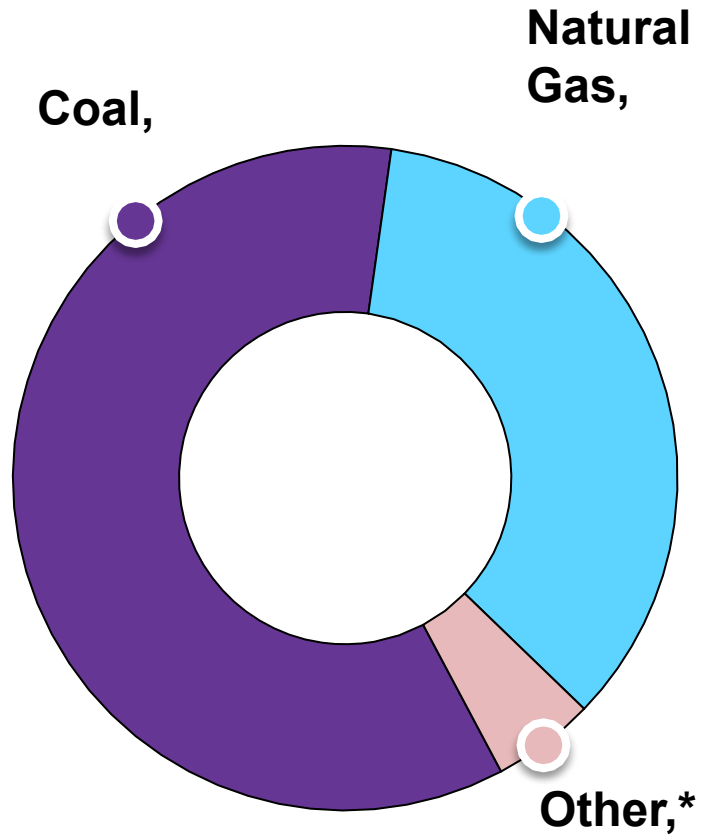
**Other includes diesel, etc.*

Deactivations & Announced Retirements (2011-2026)



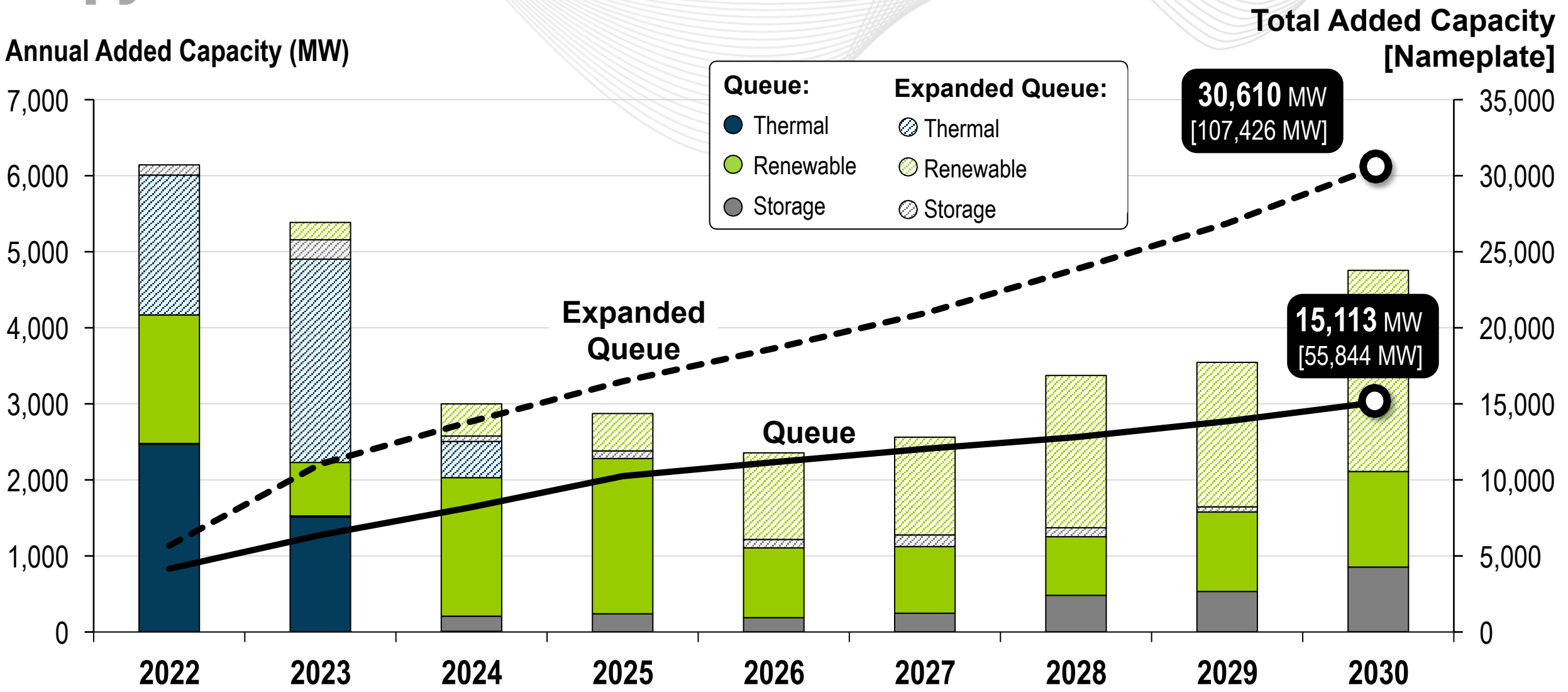
Forecasted Policy Retirements (2022–2030)



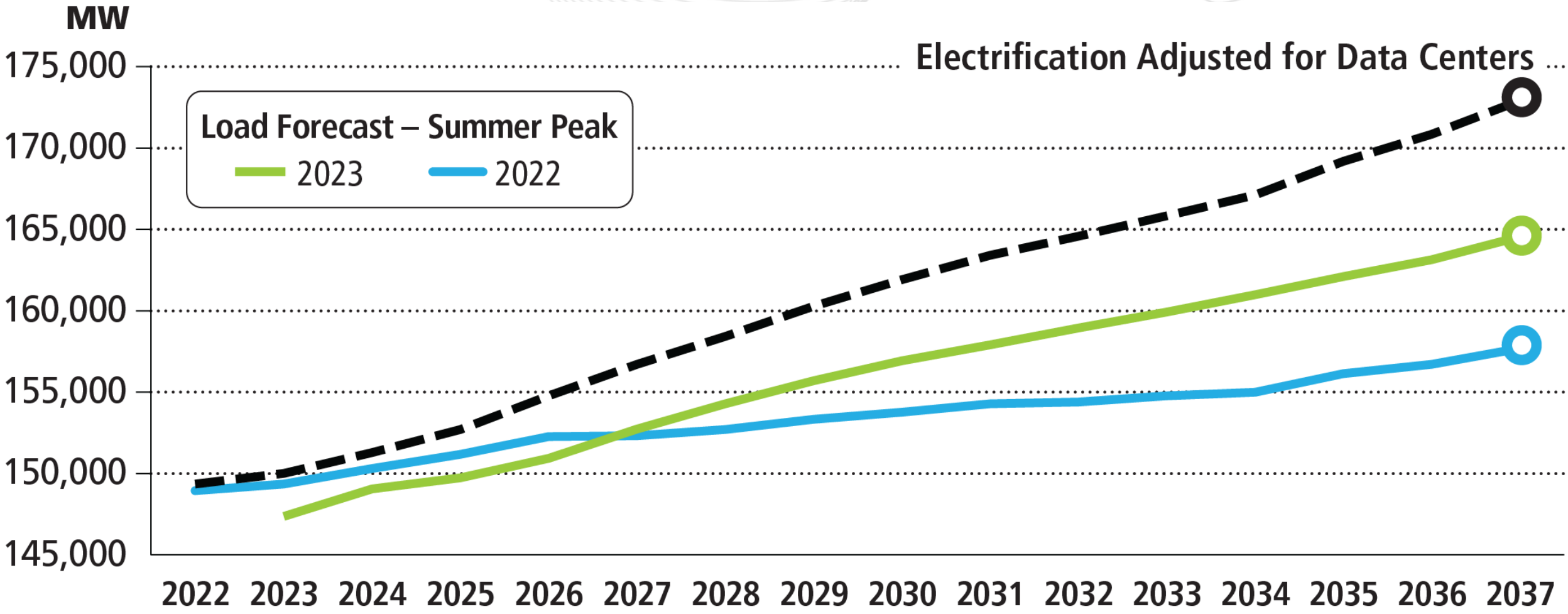


*Other includes diesel, etc.

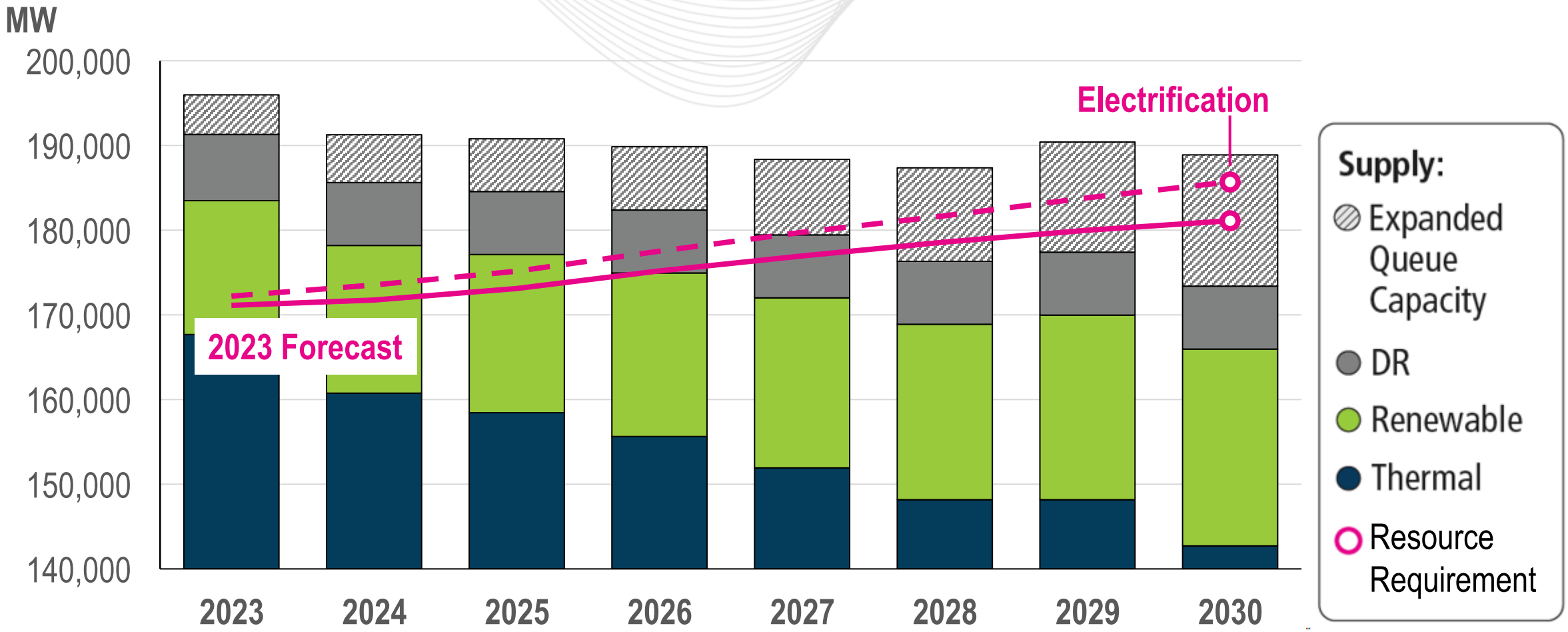
PJM Forecasted New Entry (2022–2030)



Load Growth Forecasts



Forecasted Reserve Margin



Final Remarks

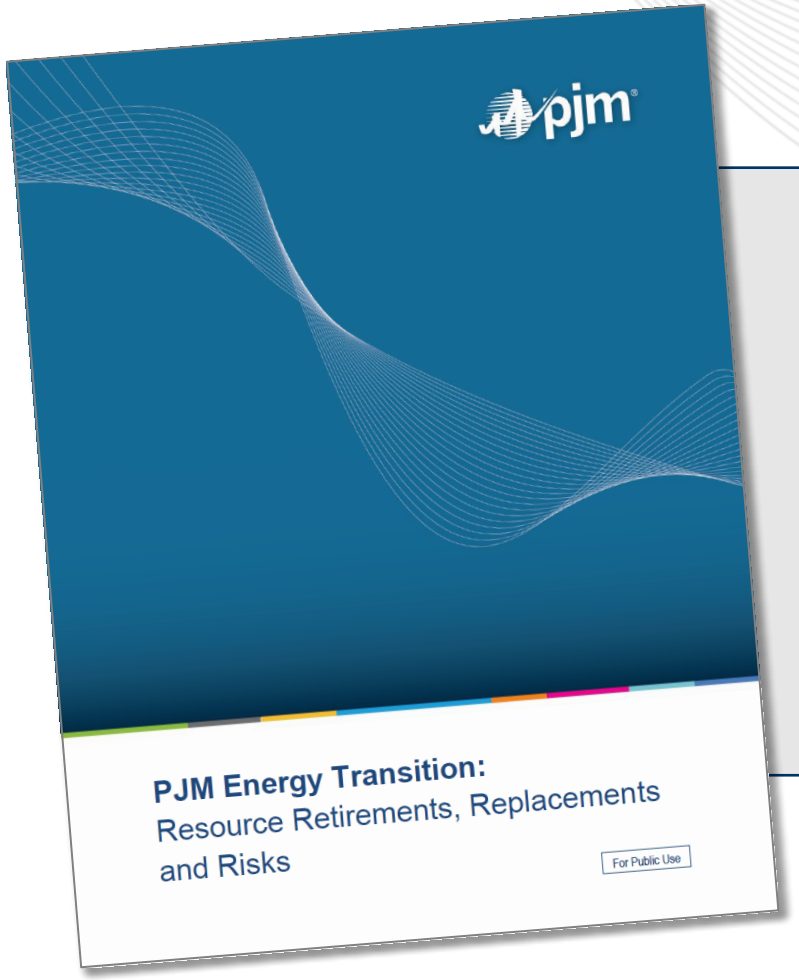
The composition and performance characteristics of the resource mix will ultimately determine PJM's ability to maintain reliability.

Resource retirements and load growth could potentially outpace new entry (at the current pace of new entry, resource adequacy risks could emerge by 2028-2030).

There is a need, and a sense of urgency, for continued actions to shape the future of resource adequacy and maintain reliability:

- Resource Adequacy Senior Task Force
- Clean Attribute Procurement Senior Task Force
- Interconnection Process Subcommittee

Next Steps



Release whitepaper
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