



UGI: Powering The Future

A View of The State of Energy from PJM

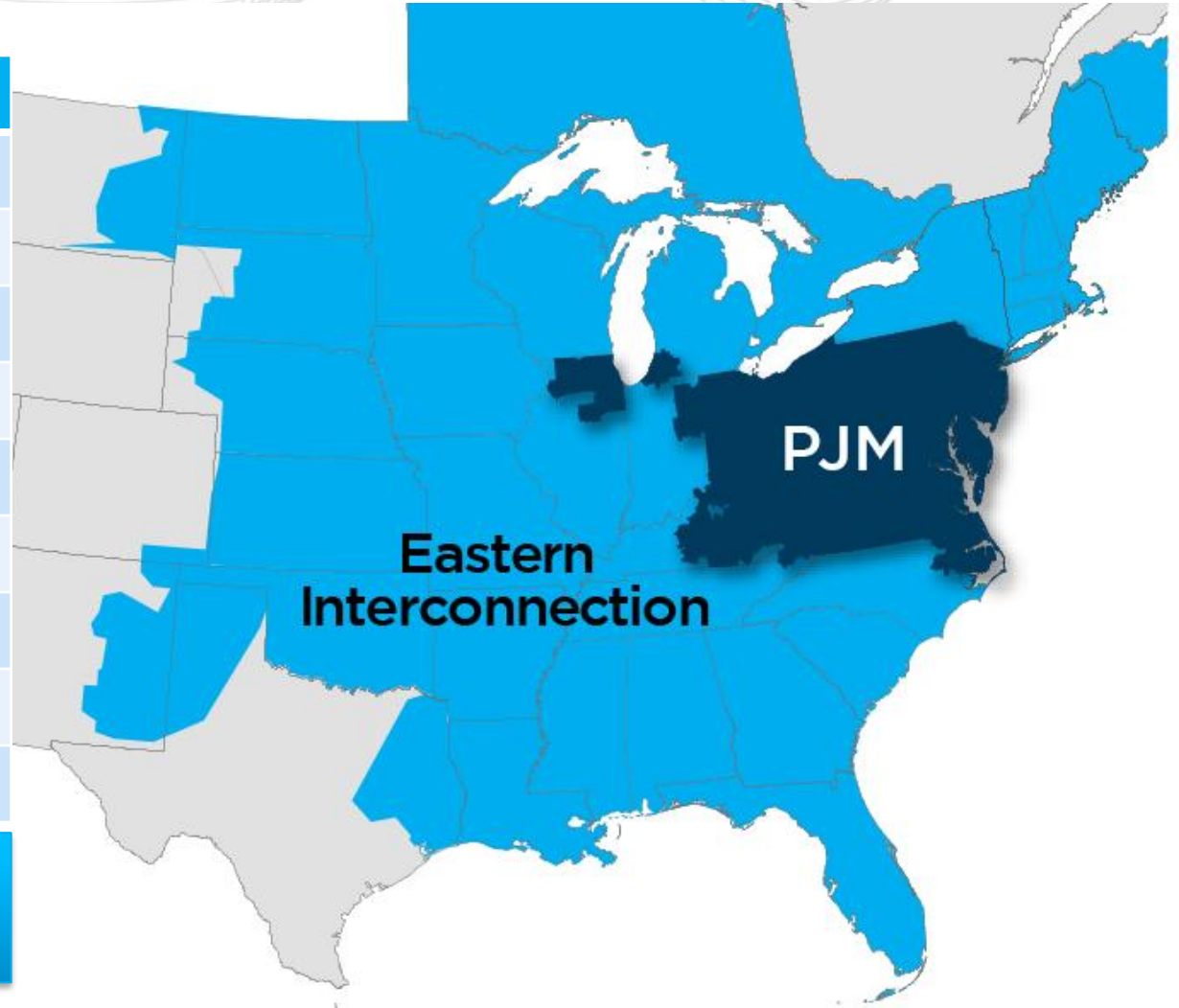
Brian J Fitzpatrick
Principal Fuel Supply Strategist
PJM Interconnection, LLC

May 15th, 2026

Key Statistics

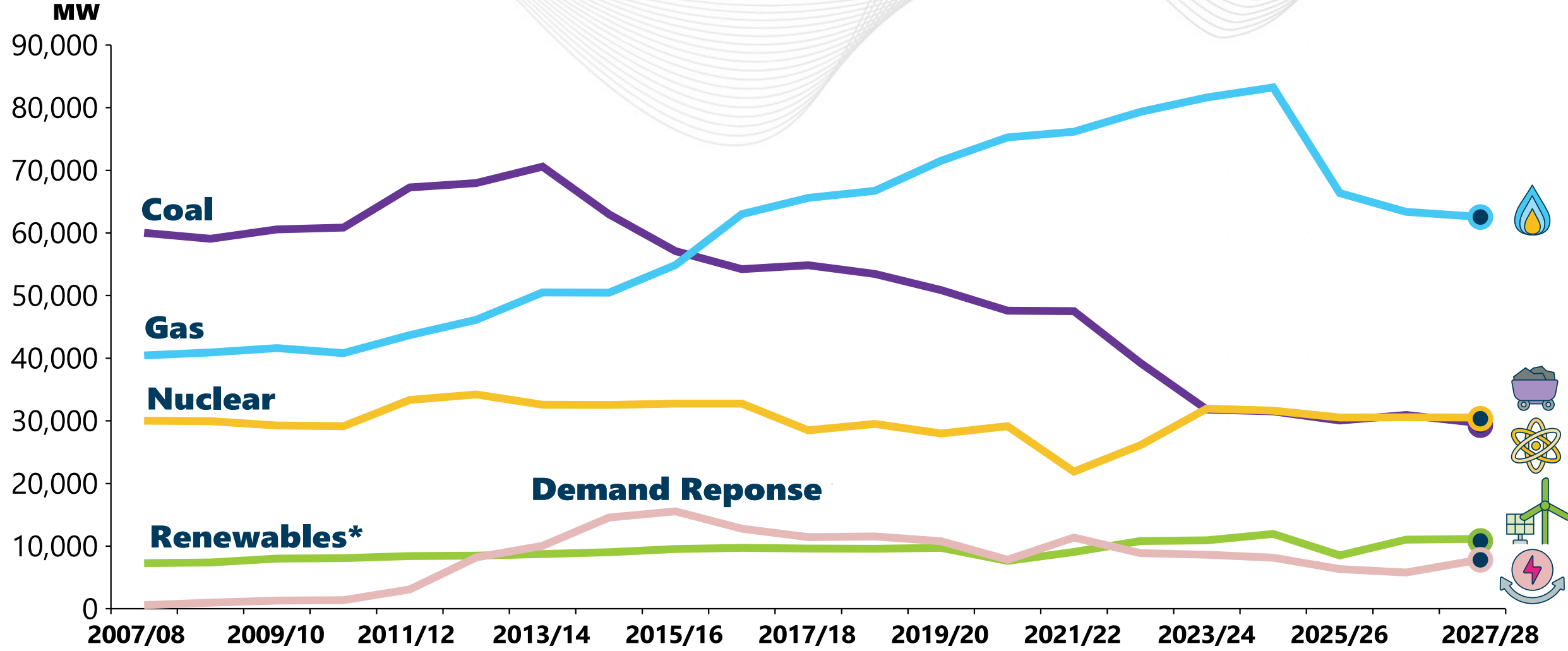
Member companies	1,116
Millions of people served	67+
Peak load in megawatts	165,563
Megawatts of generating capacity	185,989
Miles of transmission lines (Bulk Electric System)	88,417
Gigawatt hours of annual energy	828,161
Generation sources	1,673
Square miles of territory	368,906
States served	13 + DC

- 25.6% of generation in Eastern Interconnection
- 25.2% of load in Eastern Interconnection



As of 2/2026

Committed Unforced Capacity



*Renewables include solar, wind, hydro and wood. Note: All values include capacity cleared in RPM BRA or committed in FRR plan

Nuclear: **31.3%**

Coal: **16.5%**

Oil: **0.3%**

Other: **8.6%**

Gas: **43.3%**

Solar: **2.9%**

Water: **0.8%**

Waste: **0.4%**

Methane: **0.5%**

Wood: **0.2%**

Wind: **3.7%**

(% Annual Energy)

~ 90 GW
of installed gas
generation

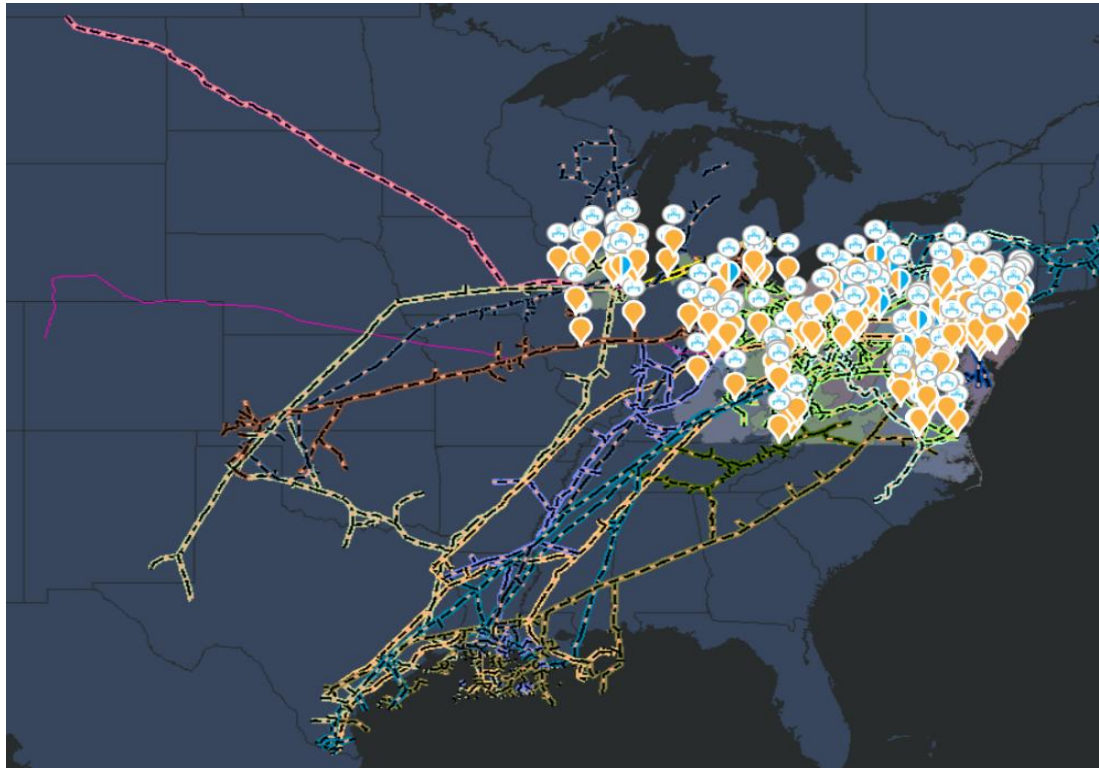
80%
served directly by
interstate pipelines

19.8%
served by local
distribution companies

0.2%
served via gas
gathering systems

29%
dual
fuel

51%
firm delivery –
gas only



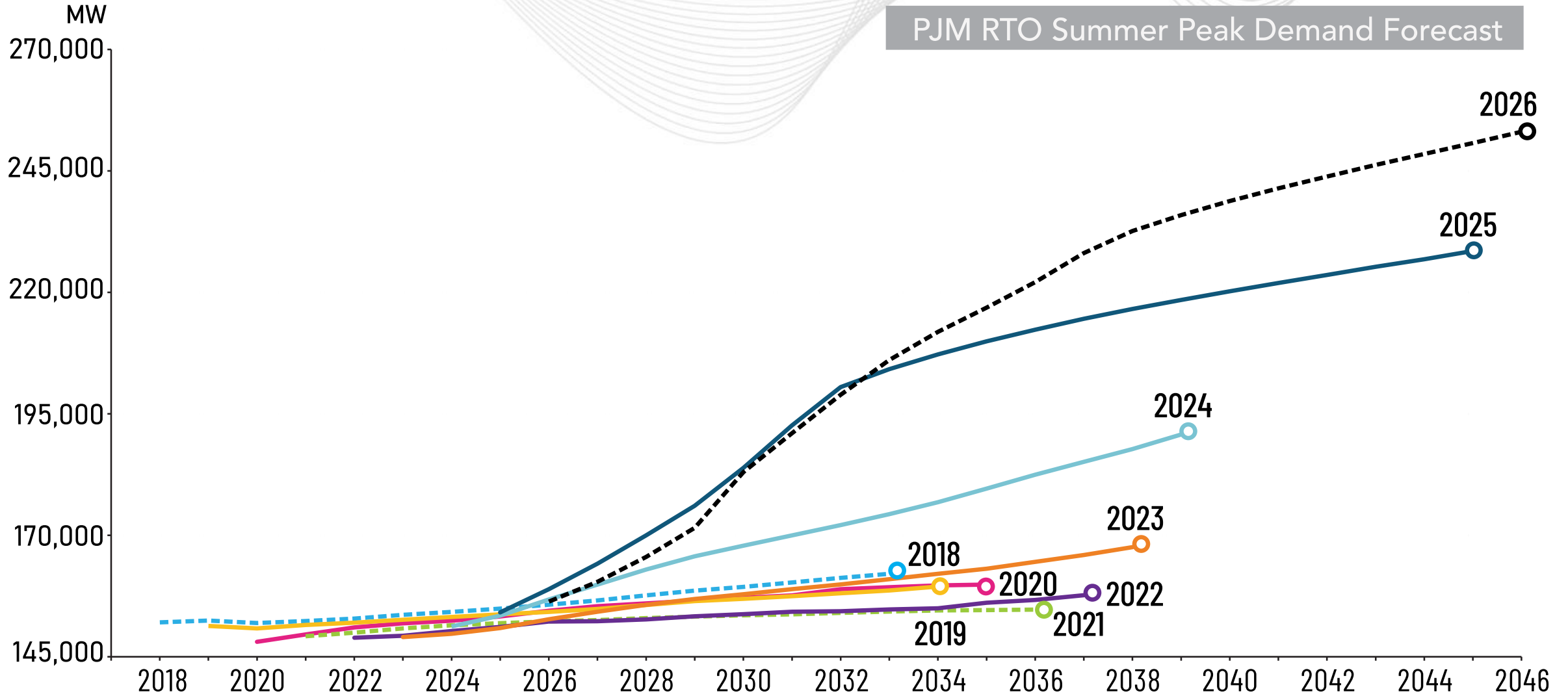
25
interstate
pipelines
serving the PJM
system

32
local
distribution
companies across
the footprint



Electricity Demand Growth

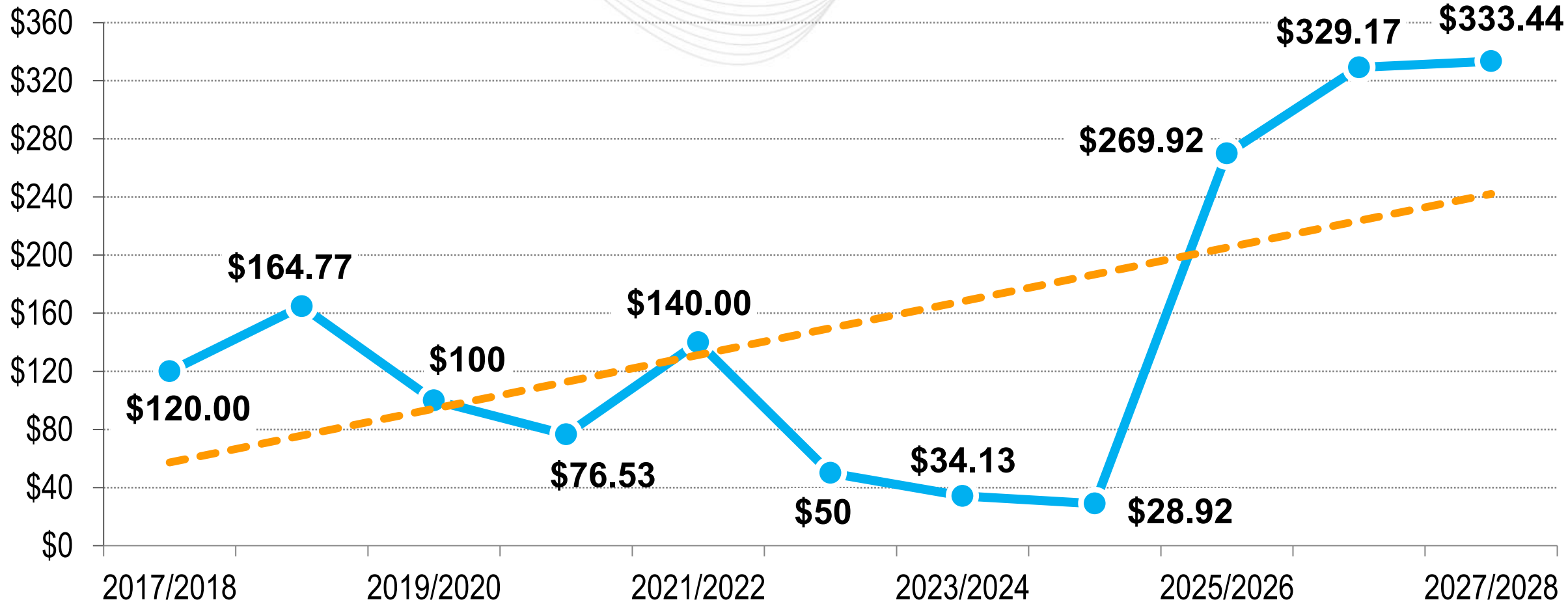
PJM RTO Summer Peak Demand Forecast

















2027/28 RPM Base Residual Auction RTO Clearing Prices

\$/MW-Day

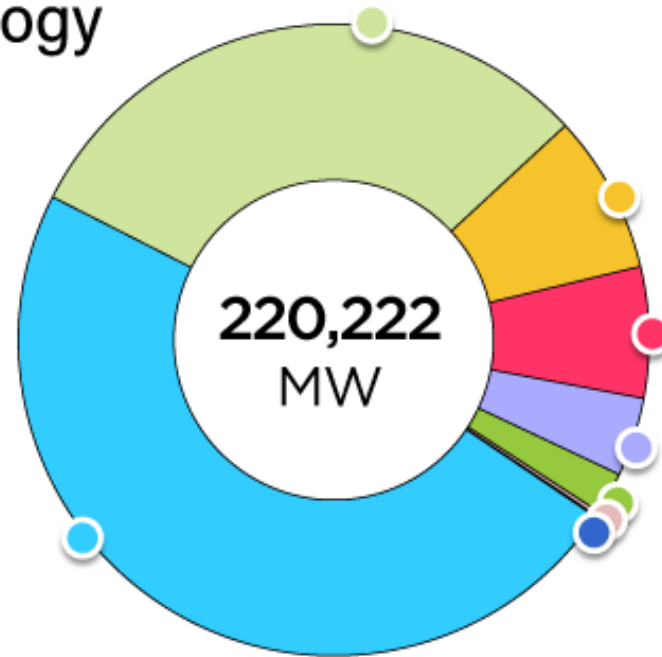


Action Taken	Associated Dates
 <p>Significant Load Forecasting Improvements</p>	 <p>In place for 2027 Load Forecast</p>
 <p>Price Cap and Floor</p>	 <p>Extended through Base Residual Auctions 28/29 and 29/30, <i>pending FERC approval</i></p>
 <p>Bring Your Own New Generation and Expedited Interconnection Track</p>	 <p>In place by August 2026</p>
 <p>Reliability Backstop Procurement</p>	 <p>Stakeholder discussions underway</p>
 <p>Curtailment of Data Centers Not Bringing New Generation</p>	 <p>In place by end of 2026</p>
 <p>Study on Market Incentives for New Supply</p>	 <p>Conduct analysis in first half of 2026</p>

Cycle 1 Submissions by Fuel/Technology Type (MWE)

No. of Units:

811
Generation
Interconnection
Submissions



● Natural Gas , 105,797 MW <i>Includes single and dual fuel</i>	157
● Storage , 67,465 MW	349
● Nuclear , 17,906 MW	27
● Solar , 14,781 MW	142
● Solar/Storage , 8,890 MW	45
● Wind , 4,726 MW	65
● Hydro , 151 MW	11
● Other , 506 MW <i>Biomass, Coal, Methane, Fusion</i>	15

As of April 28, 2026

- Will the load show up?
- State energy policy alignment
- Natural gas infrastructure buildout speed
- Competition for firm gas molecules (and pipeline/storage capacity)
 - LNG exports, gas-fired generation, data centers, LDC growth
- Physical component (i.e. turbines/generators) backlog
- Continued misalignment/inefficiencies in gas electric coordination space
- The role of AI and technical workforce needs

Presenter/SME:
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Member Hotline

(610) 666-8980

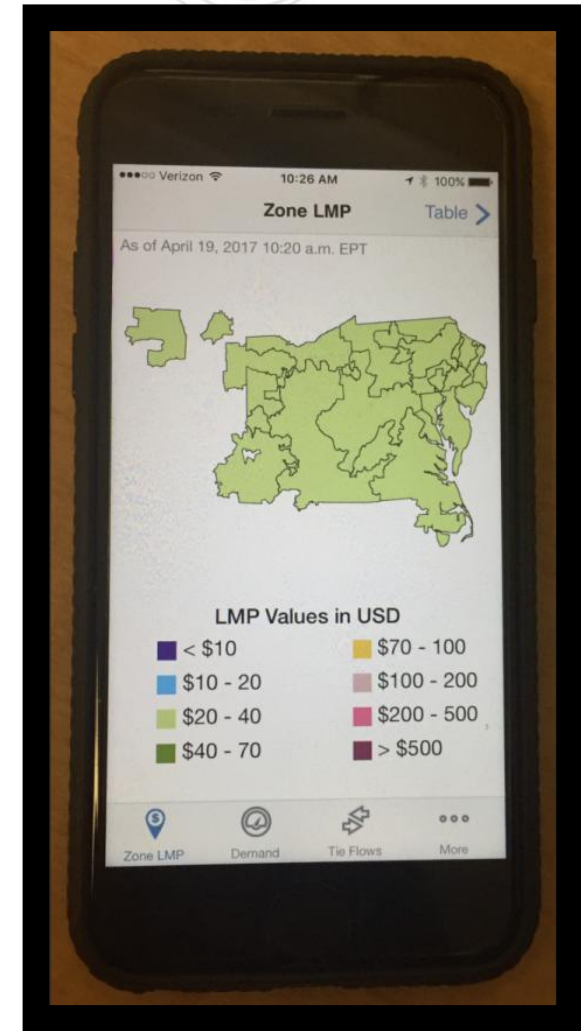
(866) 400-8980

custsvc@pjm.com

Miscellaneous Informational Slides

Power Up with the **PJM Now** App!

- See real-time demand
- Track power prices
- Get notifications

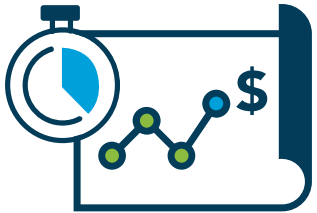


Market prices reflect actual operating conditions.

Market incentives – market participants are partners with RTO to maintain reliability through price signals.

Result for physical market participants:

Bilateral trades properly form the bulk of market activity.



- Financial product development
- Information transparency
- Price rationalization



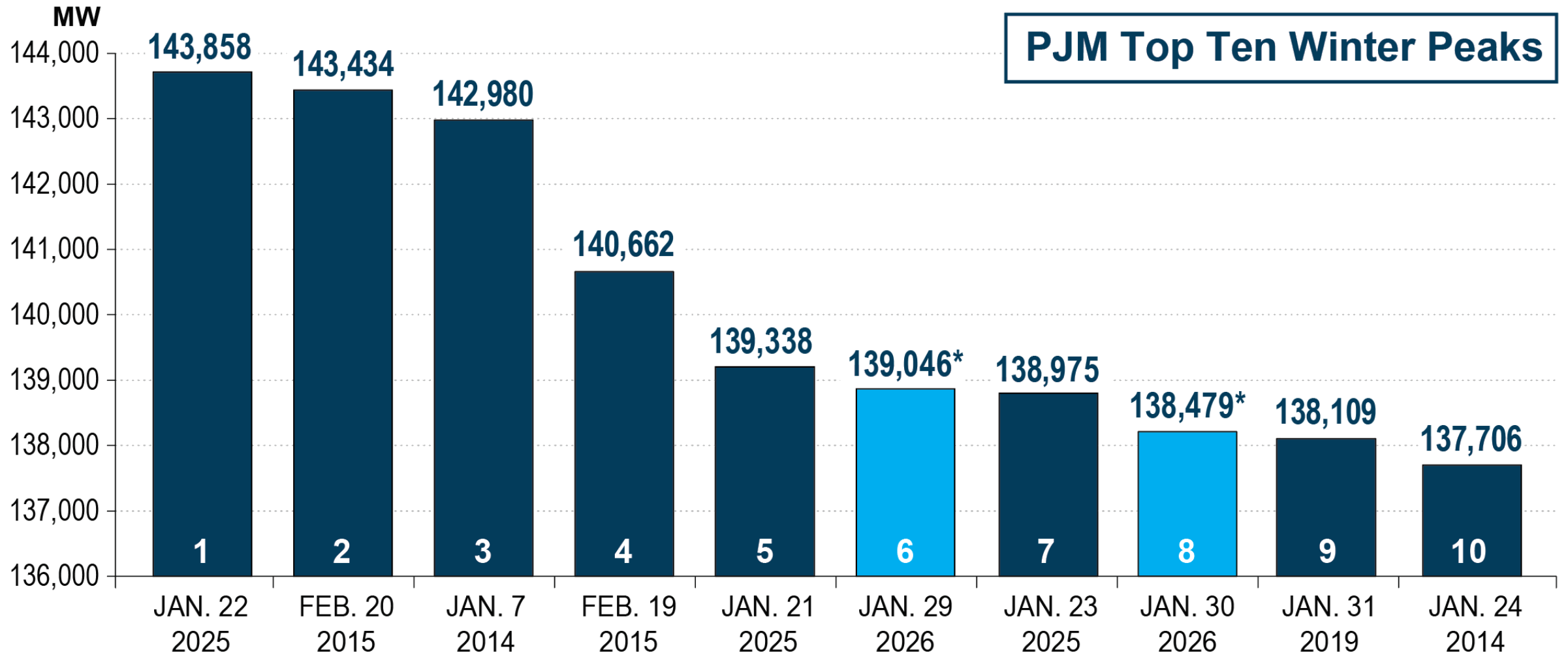
- Strong incentives to act in a manner that reinforces grid reliability
- Transfer capability of transmission system is maximized



Maintaining reliability through markets



PJM Top Ten Winter Peaks (Hourly Integrated Load)

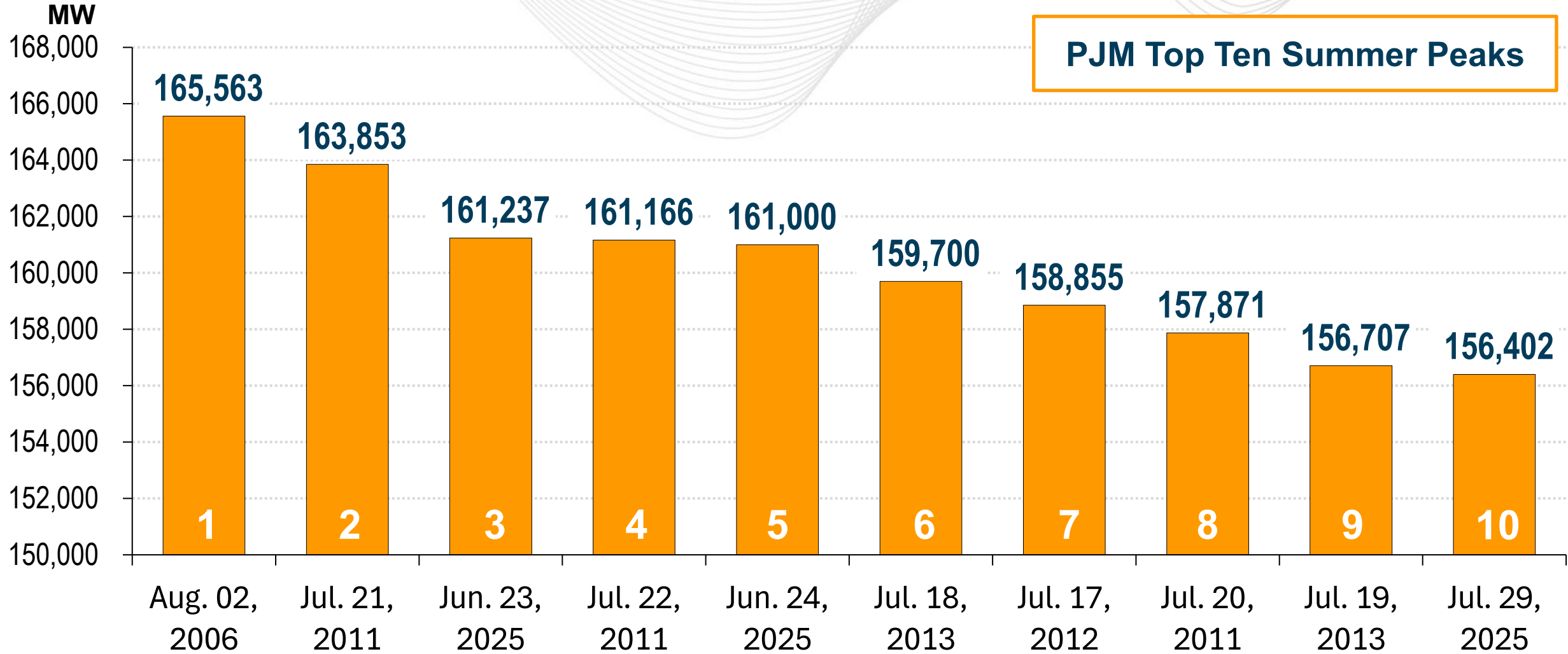


PJM Top Ten Winter Peaks

Source: https://dataminer2.pjm.com/feed/hrl_load_metered/definition

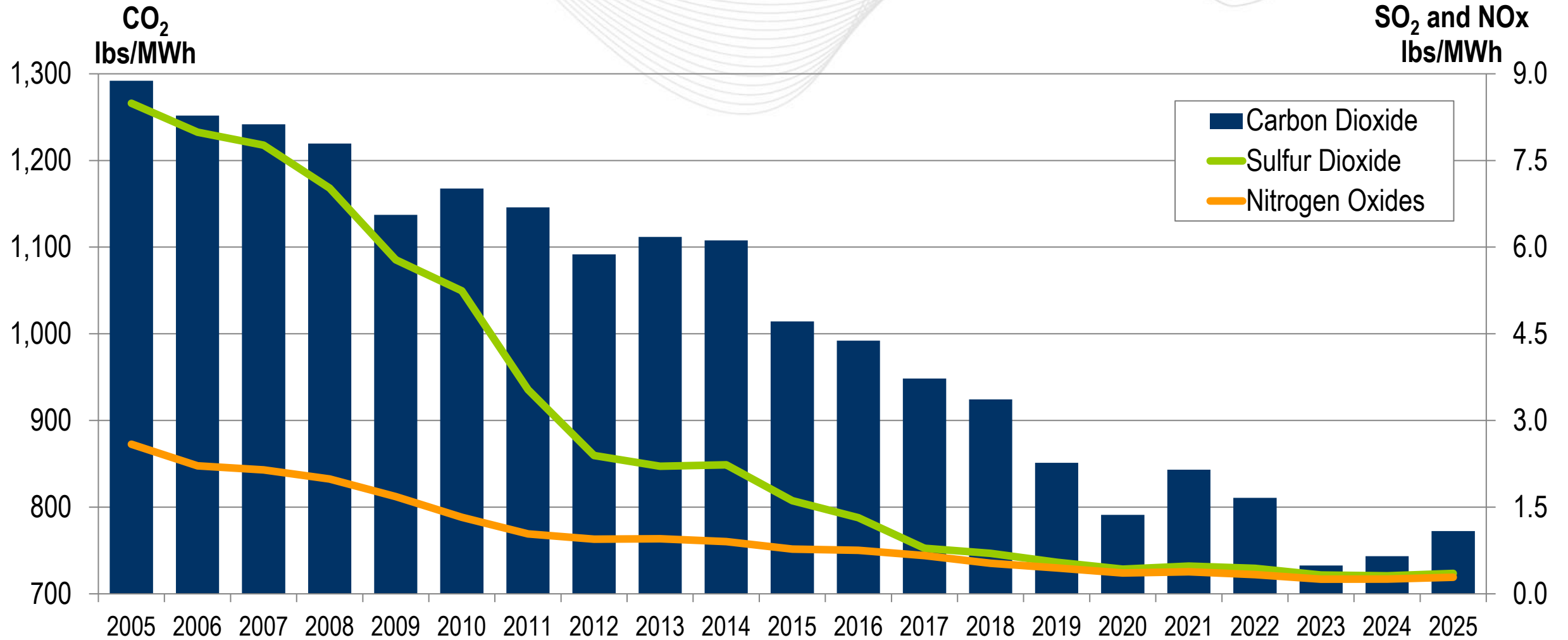
* This data is preliminary should not be used as the basis for decision-making. As of Feb. 1, 2026.

PJM Top Ten Summer Peaks

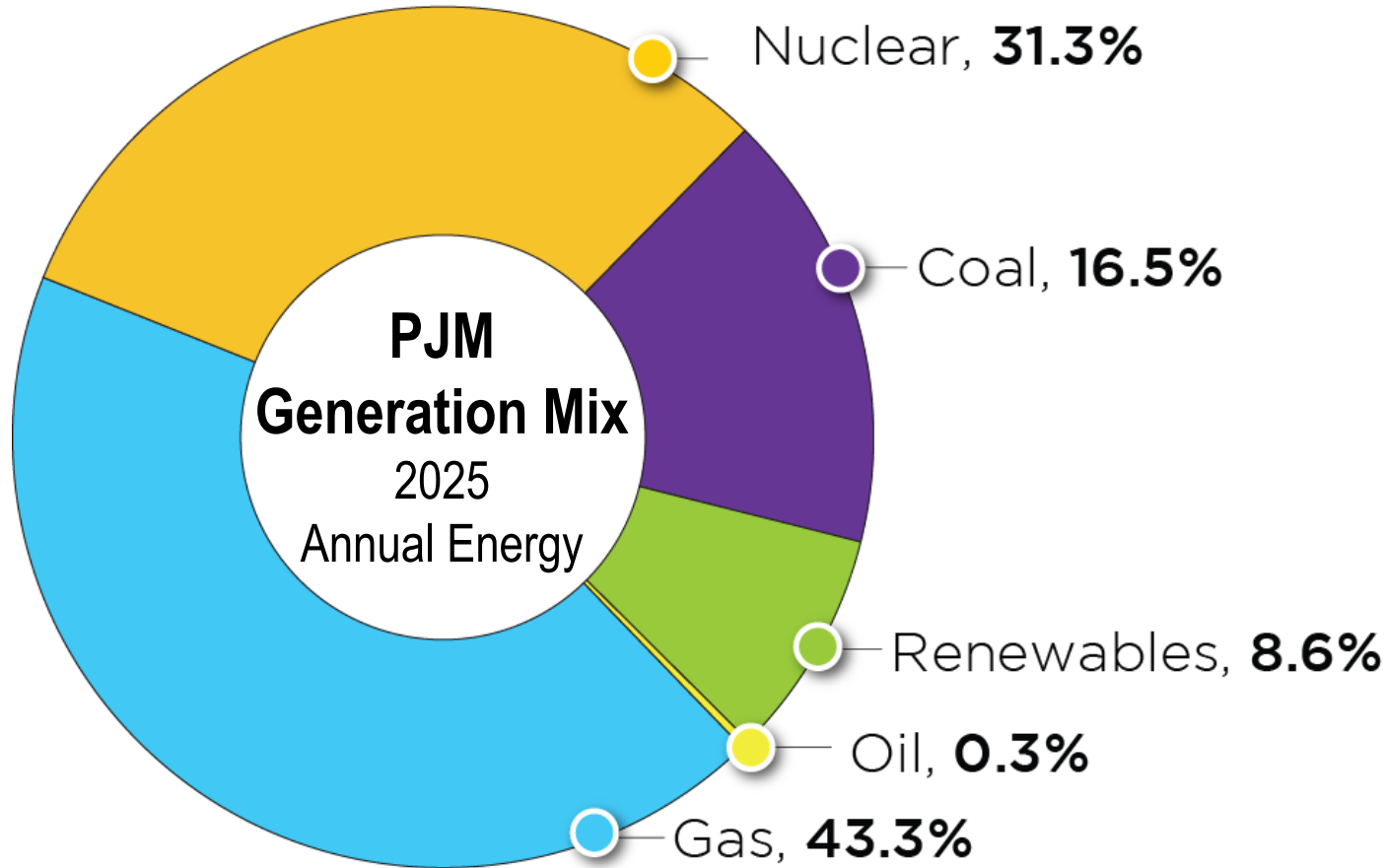


As of March 24, 2026

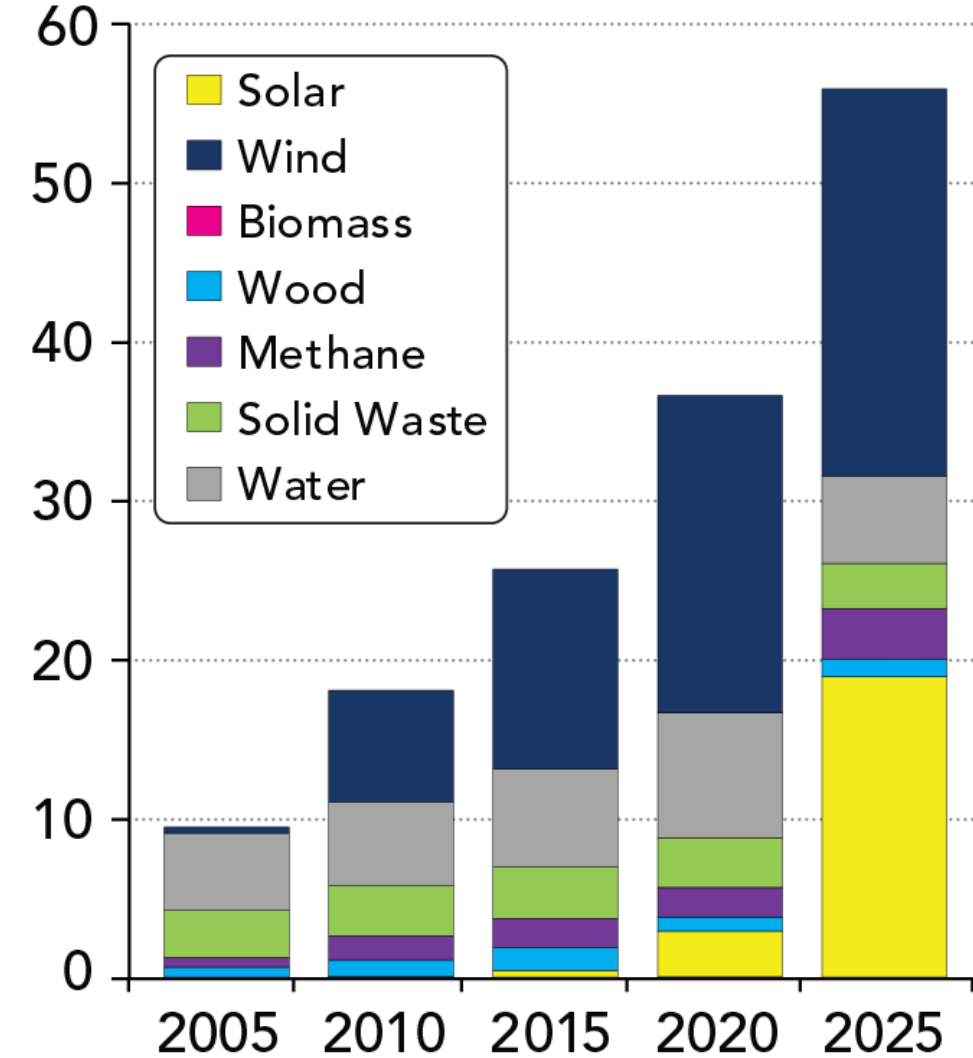
PJM System Average Emission Rates



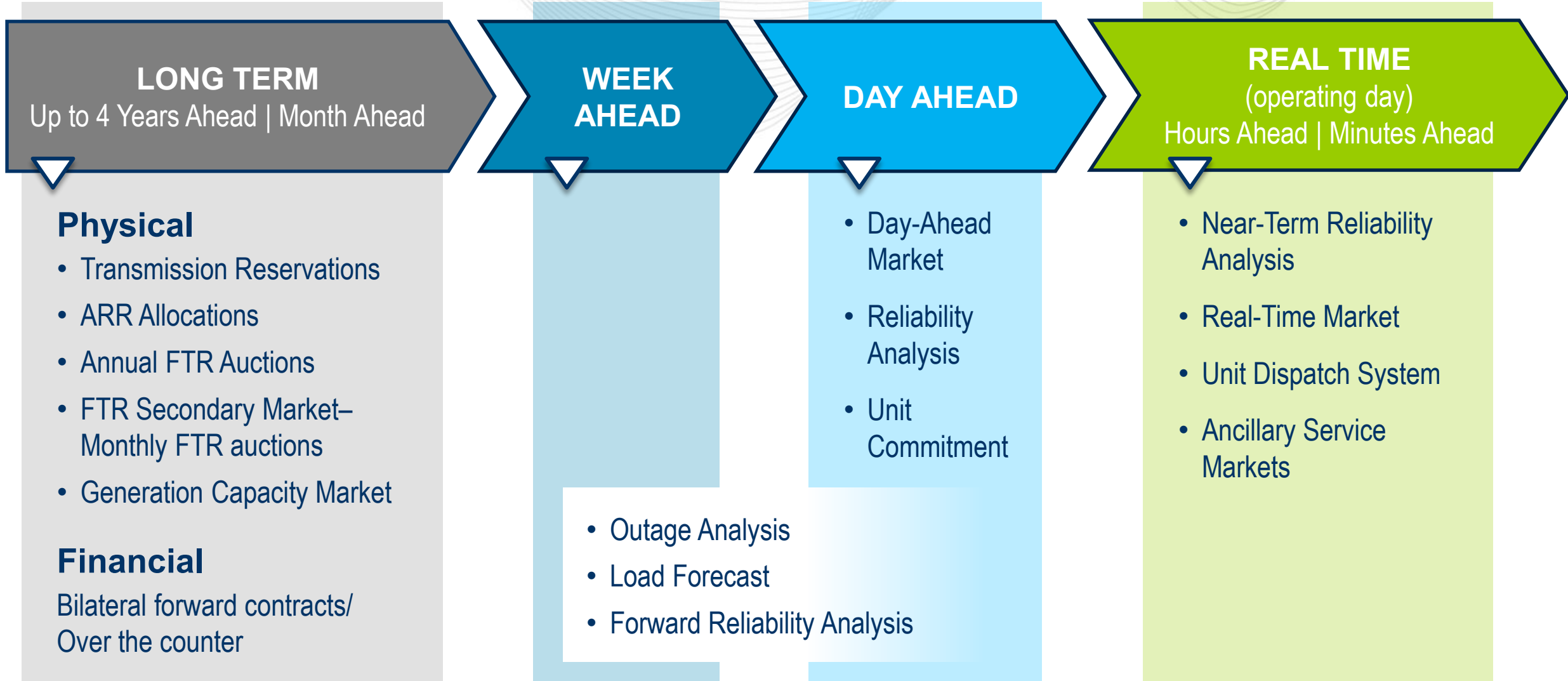
Percentage of Renewable Energy Is Small but Growing

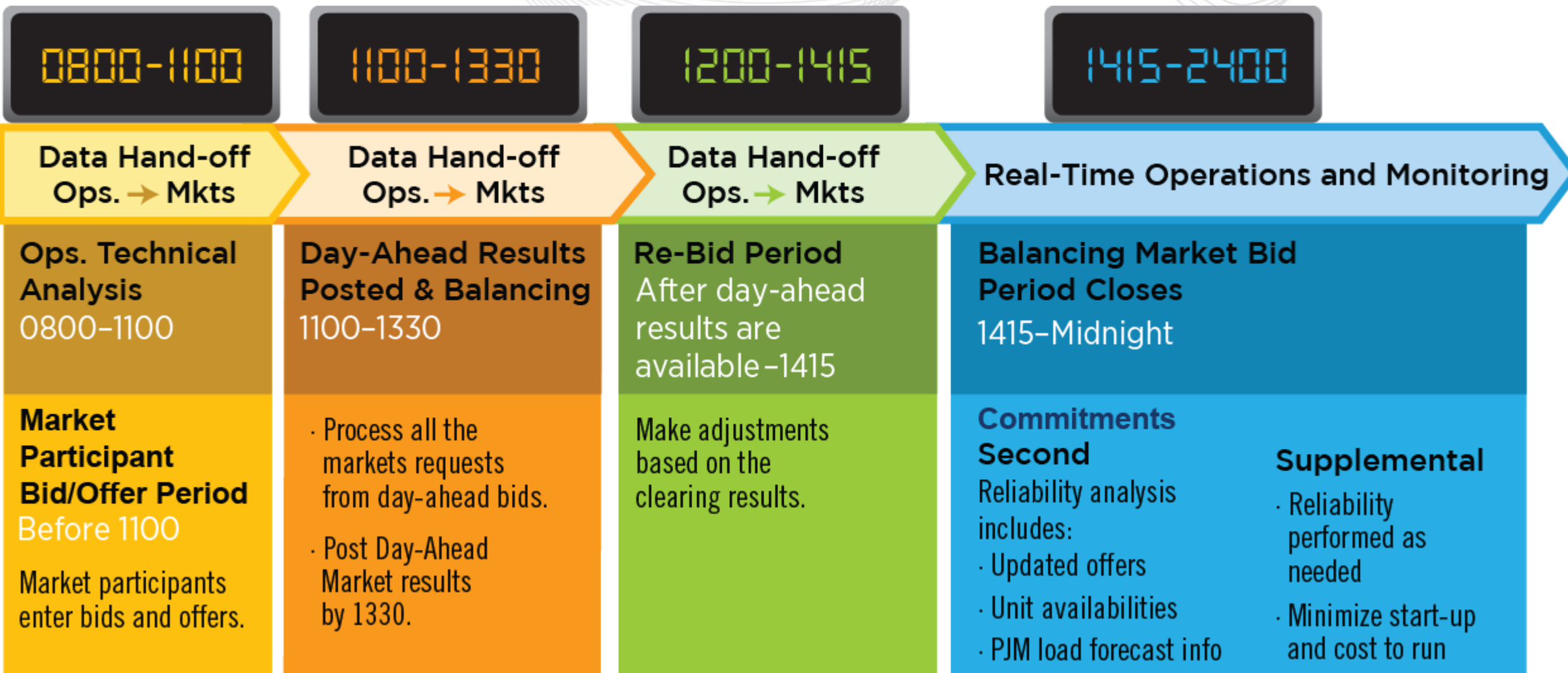


MWh (millions)

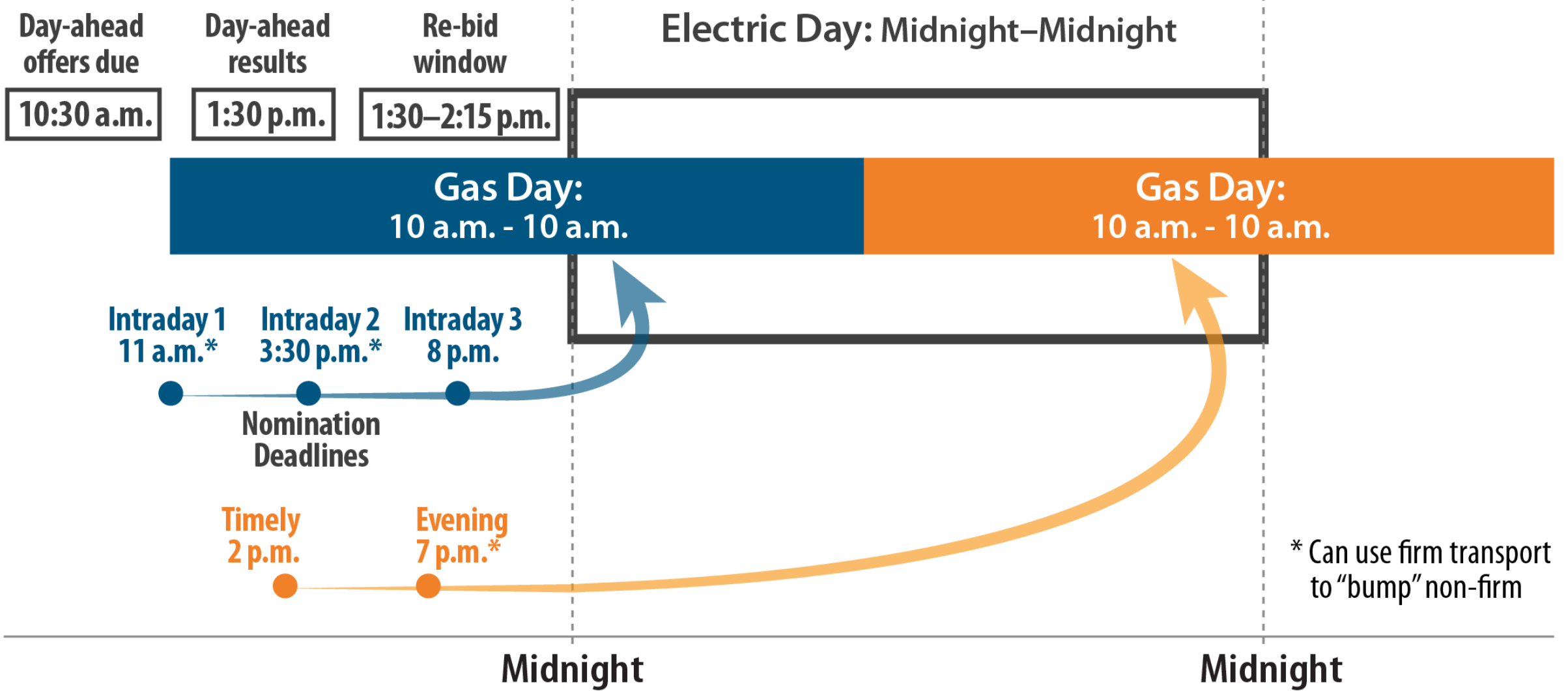


As of 2/2026





Electric and Gas Day Overlap – Scheduling Implications



* Can use firm transport to "bump" non-firm