



# National Conference of Regulatory Attorneys Gas-Electric Coordination

Brian Fitzpatrick

Principal Fuel Supply Strategist

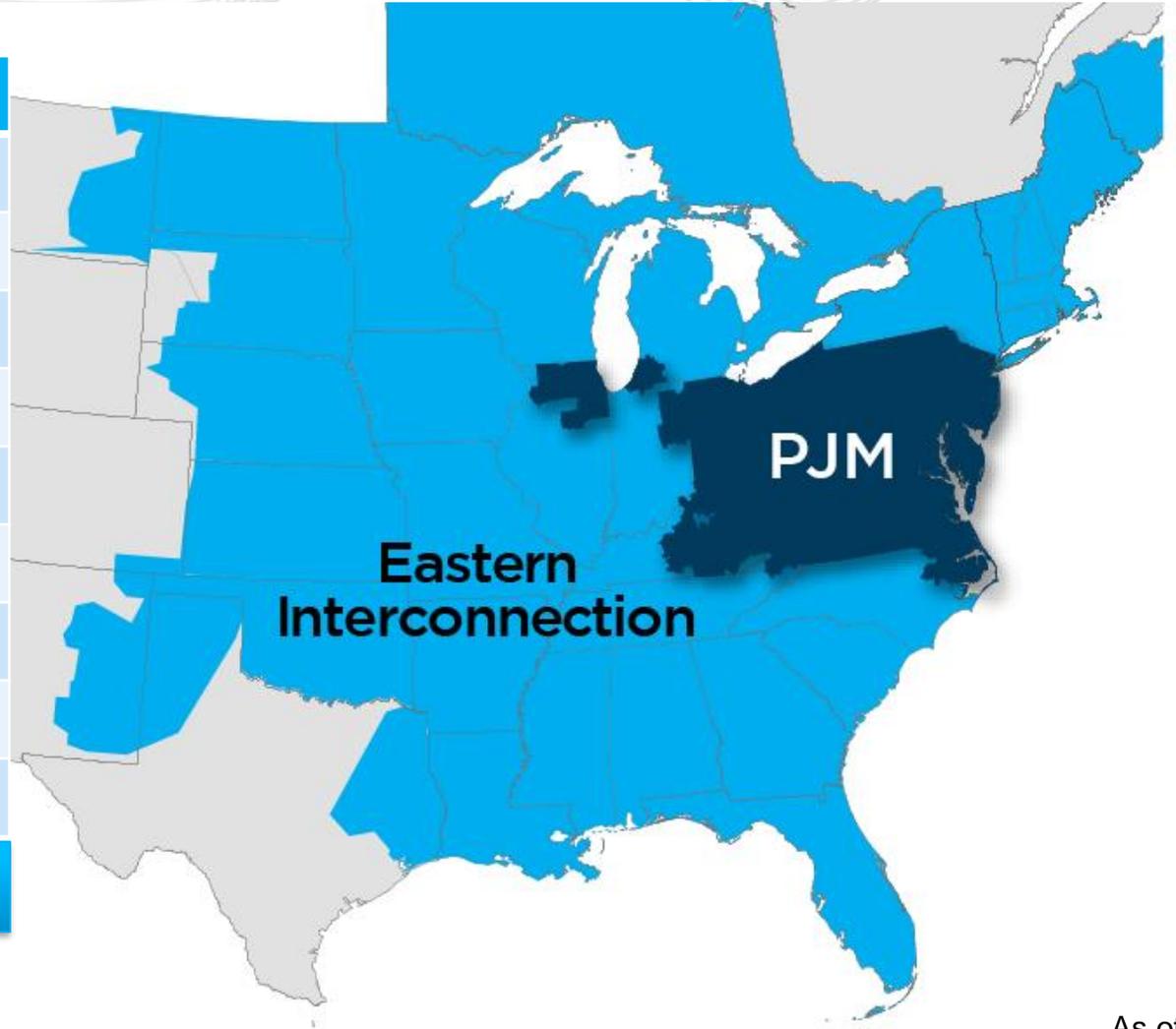
PJM Interconnection

May 6, 2024

## Key Statistics

Member companies	1,090
Millions of people served	65+
Peak load in megawatts	165,563
Megawatts of generating capacity	183,254
Miles of transmission lines	88,185
Gigawatt hours of annual energy	770
Generation sources	1,419
Square miles of territory	368,906
States served	13 + DC

**21% of U.S. GDP produced in PJM**



As of 2/2024

# RELIABILITY

A large green gear-shaped icon with a white rounded rectangle in the center containing text.

## Markets

- Energy
- Capacity
- Ancillary services

A large orange gear-shaped icon with a white rounded rectangle in the center containing text.

## Operations

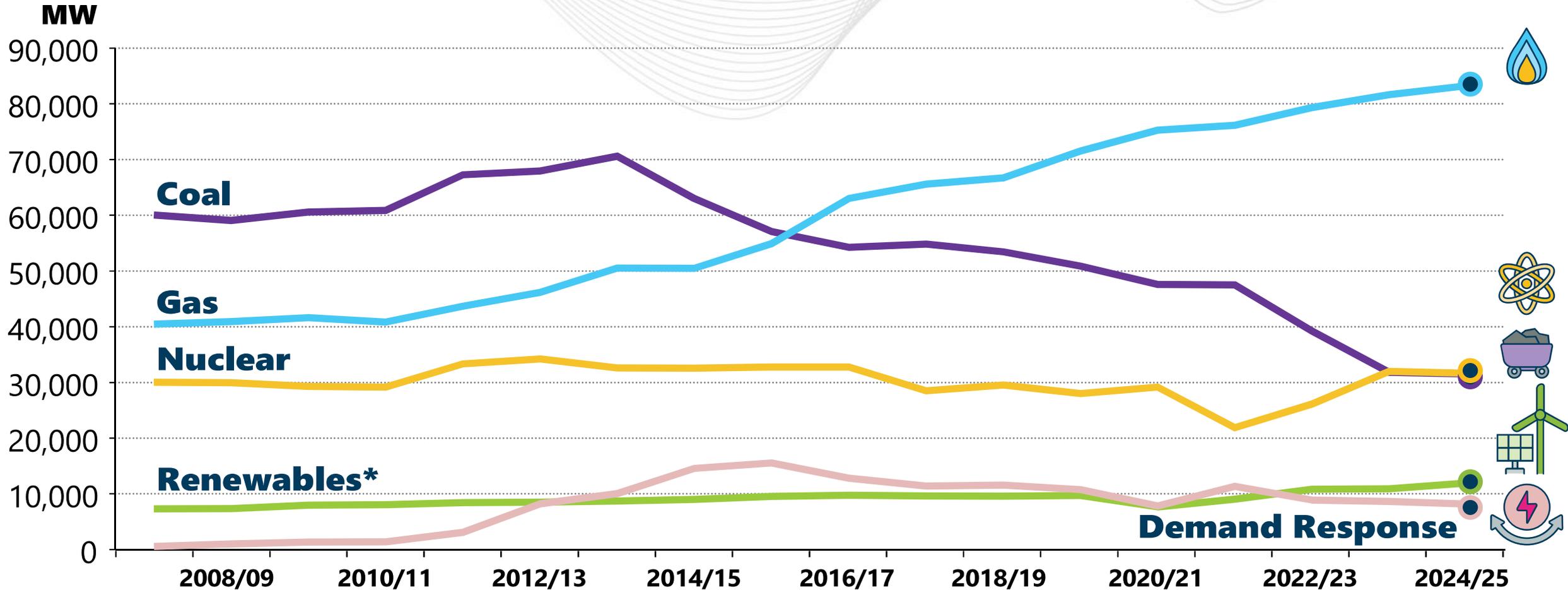
- Grid operations
- Supply/demand balance
- Transmission monitoring

A large dark blue gear-shaped icon with a white rounded rectangle in the center containing text.

## Regional Planning

- 15-year outlook

# 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: **33.6%**

Coal: **14.9%**

Oil: **0.3%**

Other: **6.9%**

Solar: **1.4%**

Water: **1.0%**

Waste: **0.5%**

Wood: **0.2%**

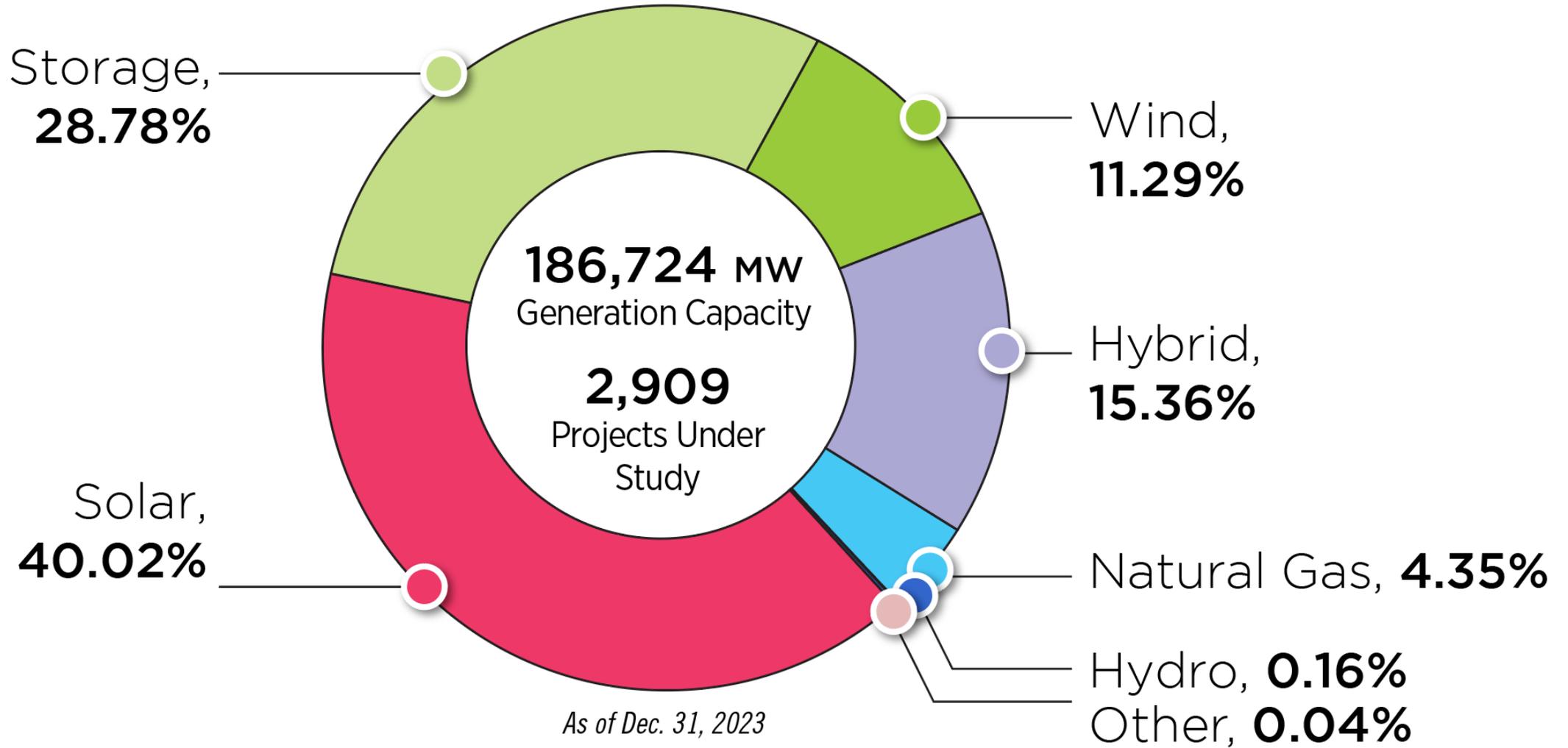
Wind: **3.8%**

Gas: **44.3%**

(% Annual Energy)

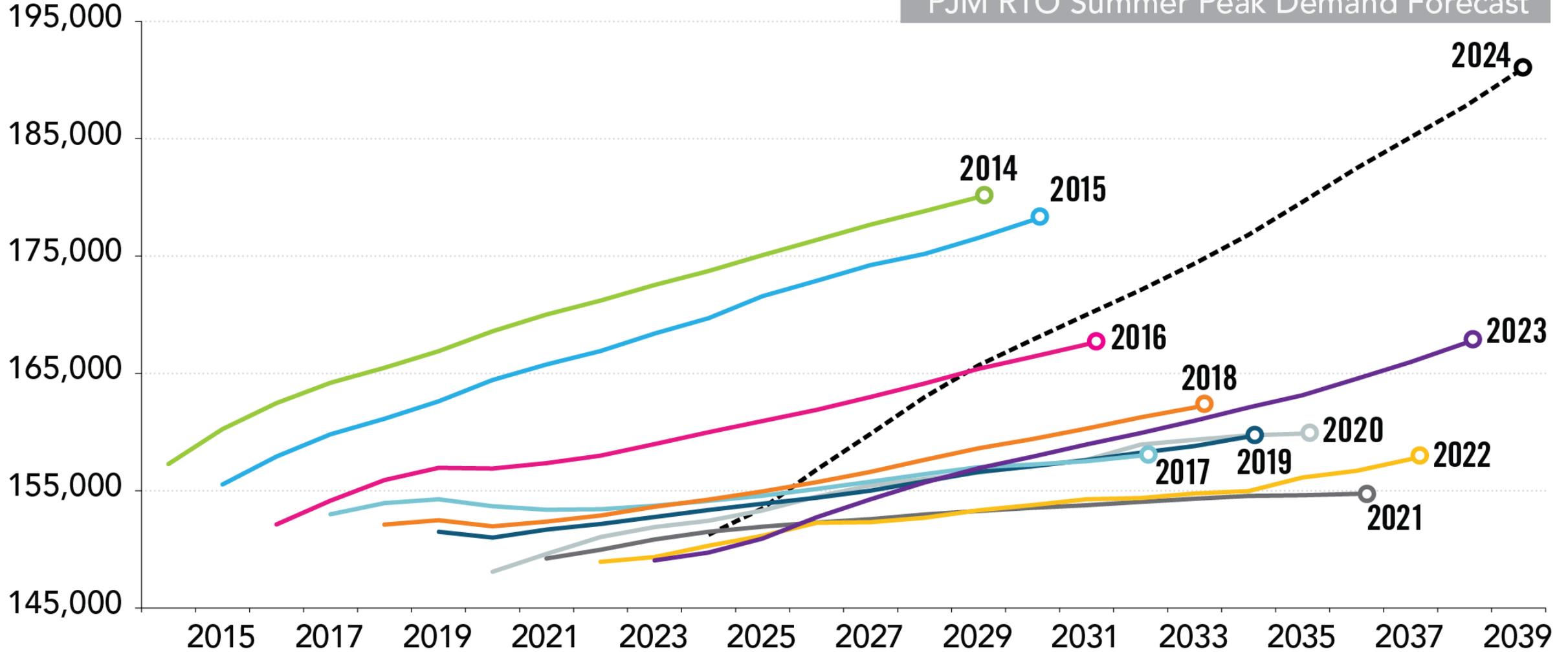
# Capacity Makeup of PJM Interconnection Request Process

As of Dec. 31, 2023



Load (MW)

PJM RTO Summer Peak Demand Forecast



- [Energy Transition Report](#)
  - Resource Retirements, Replacements and Risk

Balance Sheet Summary (2022–2030)				
<b>Retirements</b>  <b>40 GW</b> 60% Coal 30% Natural Gas 10% Other  	<b>New Entry Wind/Solar<sup>6</sup></b>  <b>Low =</b> 48 GW-nameplate / 8 GW-capacity  <b>High =</b> 94 GW-nameplate / 17 GW-capacity  	<b>New Entry Standalone Storage</b>  <b>Low =</b> 3 GW  <b>High =</b> 4 GW  	<b>New Entry Thermal</b>  <b>Low =</b> 4 GW  <b>High =</b> 9 GW  	<b>Load Growth</b>  <b>2023 Forecast =</b> 11 GW  <b>Electrification Forecast =</b> 13 GW  
Unless otherwise noted, thermal capacity values are expressed in ICAP, without adjustment for EFORD.				

# PJM Gas Generation Delivery Sources

**~ 86 GW**  
of installed gas  
generation

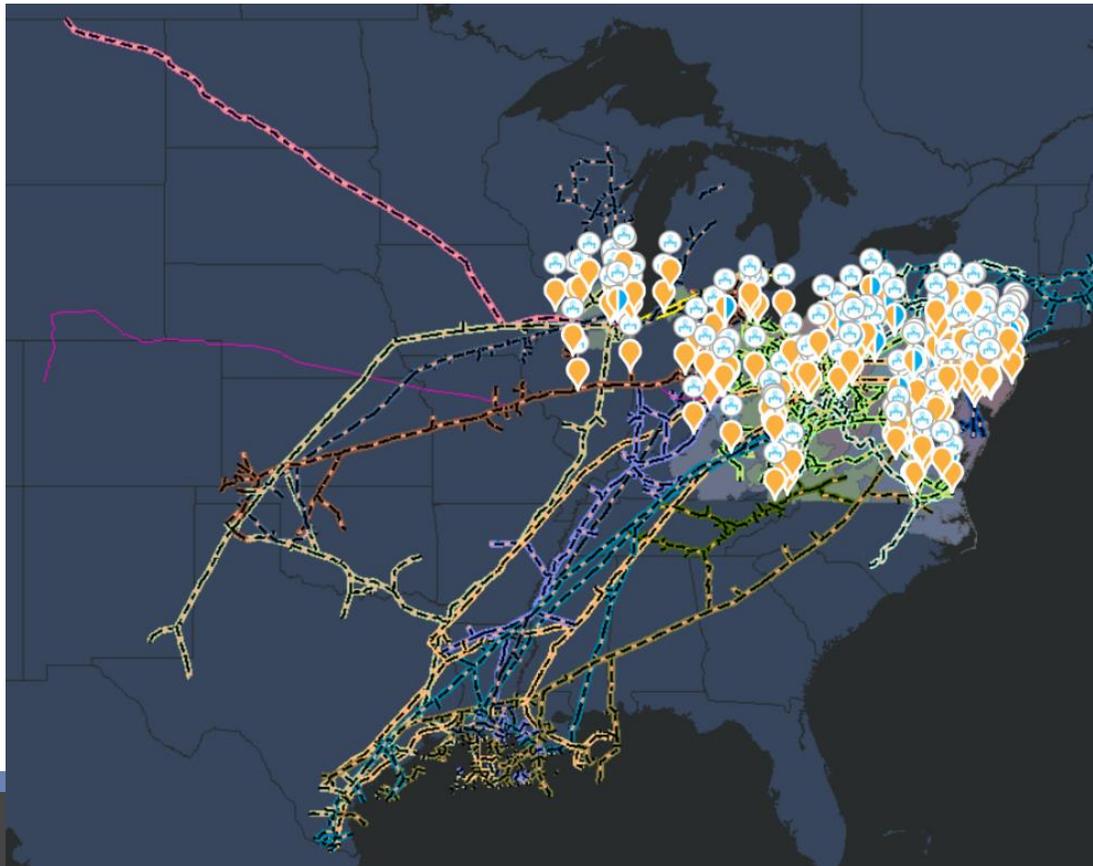
80%  
served directly by  
interstate pipelines

19.8%  
served by local  
distribution companies

0.2%  
served via gas  
gathering systems

29%  
dual  
fuel

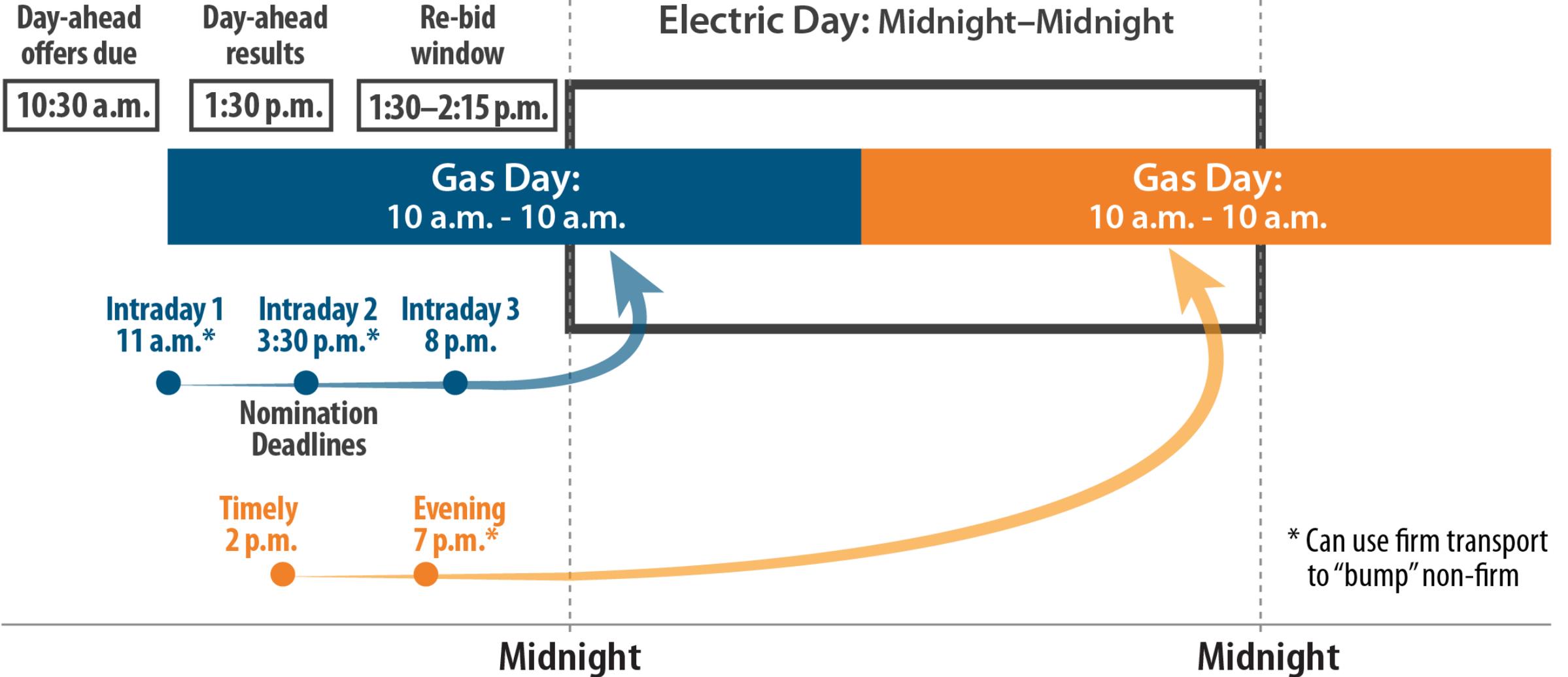
51%  
firm delivery –  
gas only

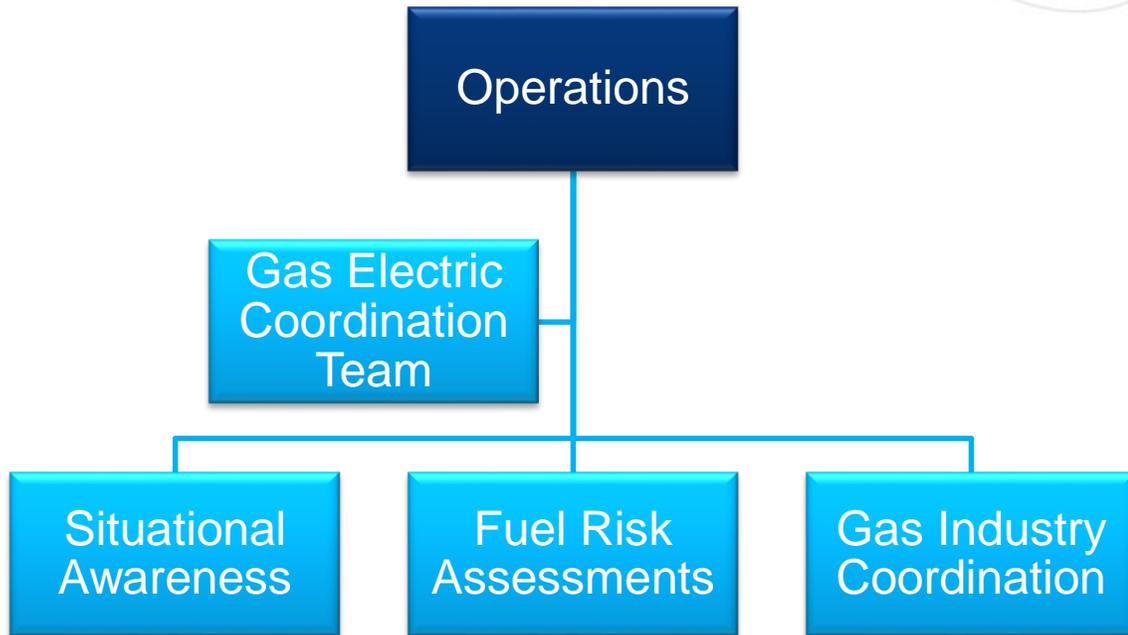


**25**  
interstate  
pipelines  
serving the PJM  
system

**32**  
local  
distribution  
companies across  
the footprint

# Electric and Gas Day Overlap – Scheduling Implications





## Markets

- Capacity Accreditation
- Reserve Certainty
- Capacity Performance
- Resource Adequacy

## Policies

- State Environmental Plans
- EPA Policies
- FERC
- NERC

Brian Fitzpatrick,  
brian.fitzpatrick@pjm.com

**(610) 666-4743**



PJMNow App

[Download PJM Now App](#)

Or Search PJM Now in  
your App Store