



PJM: Ensuring A Reliable Energy Transition

Presented to NASEO:
Energy Security Bootcamp

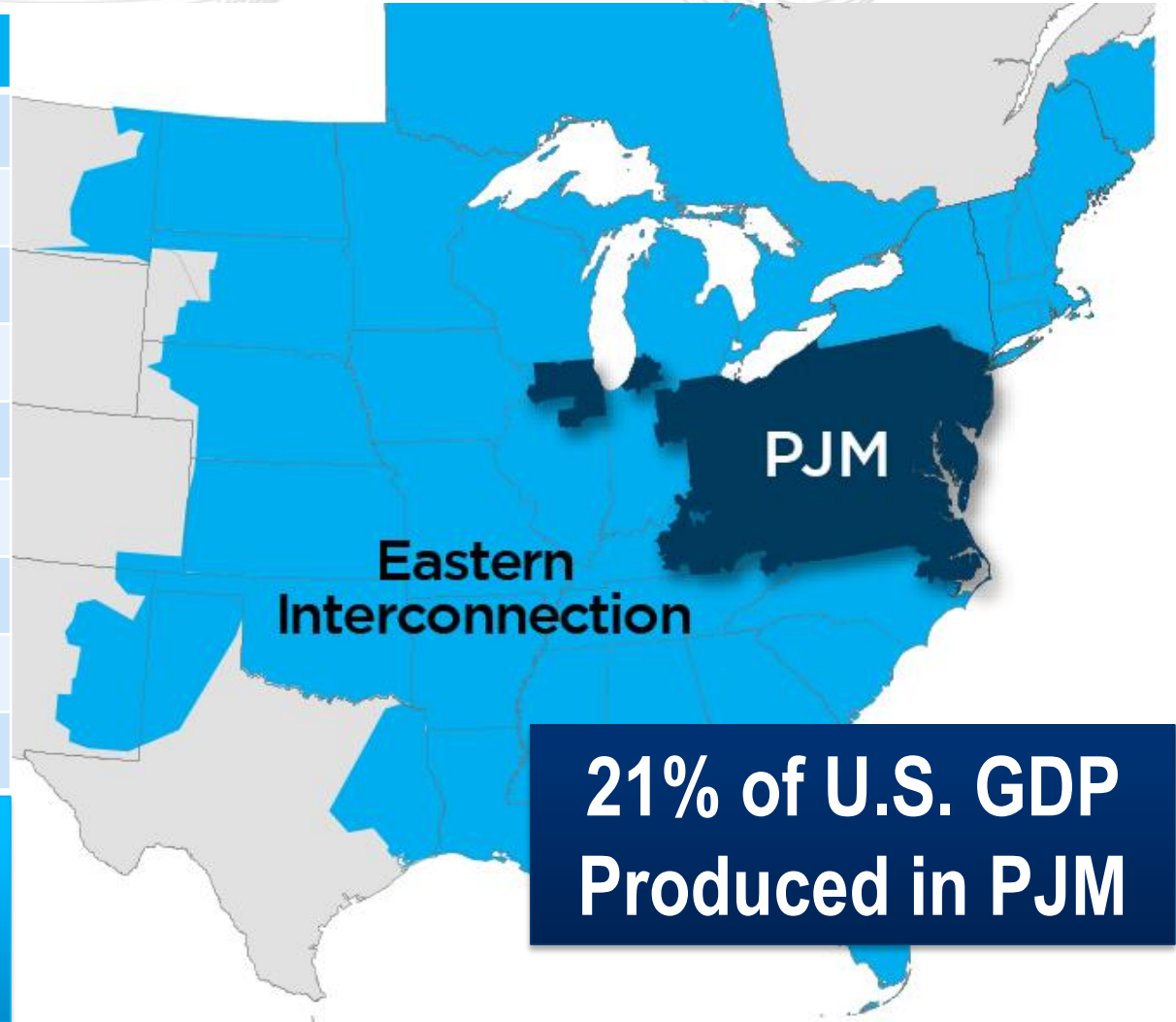
Evelyn Robinson
Director, State Government Relations

June 13, 2024

Key Statistics

Member companies	1,090
Millions of people served	65+
Peak load in megawatts	165,563
Megawatts of generating capacity	180,785
Miles of transmission lines	88,185
Gigawatt hours of annual energy	770
Generation sources	1,439
Square miles of territory	368,906
States served	13 + DC

- 26% of generation in Eastern Interconnection
- 25% of load in Eastern Interconnection
- 20% of transmission assets in Eastern Interconnection



As of 2/2024

PLANNING



Planning for the future like...



OPERATIONS



Matches supply with demand like...



MARKETS



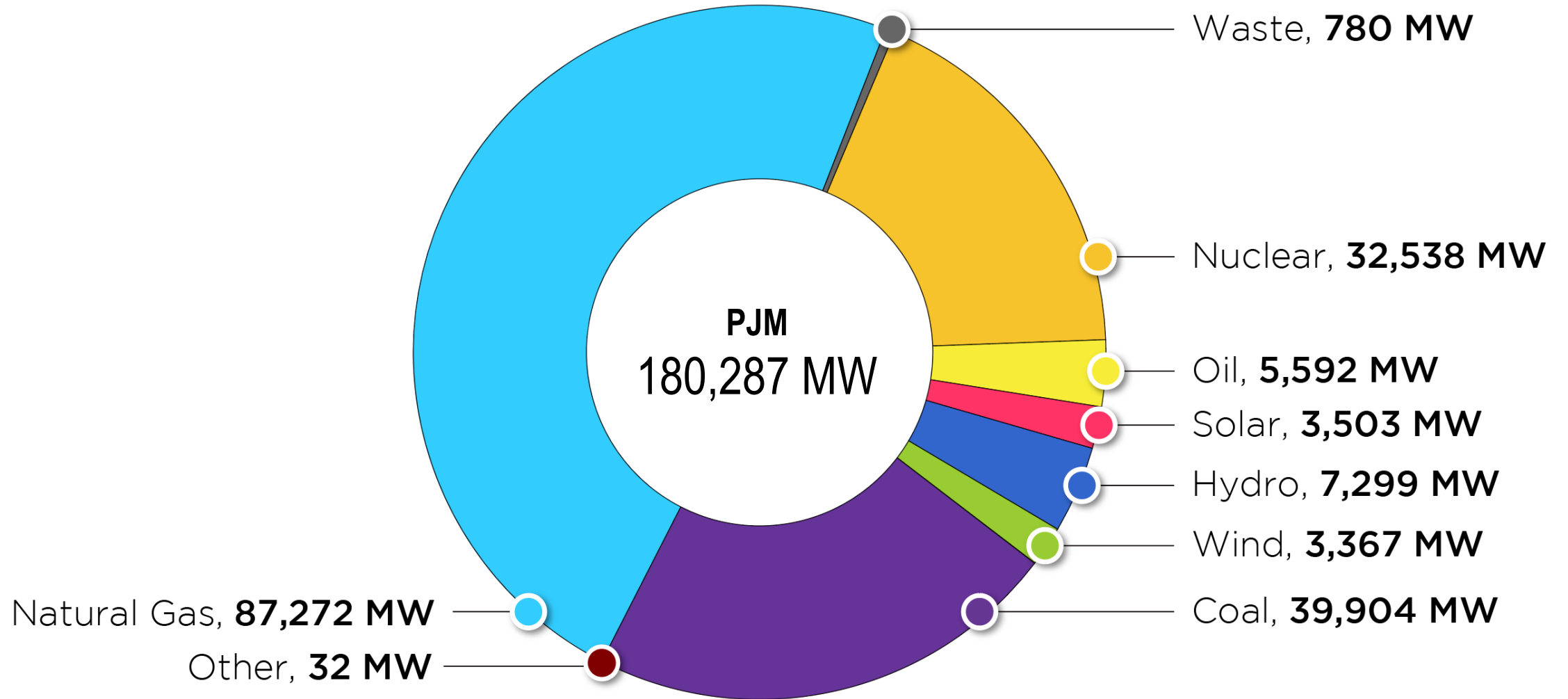
By Zone	
AC	\$30.94
ABP	\$25.95
APG	\$25.18
ATSI	\$25.48
BC	\$17.91
COMED	\$25.88
DAITON	\$26.22
DEOH	\$25.38

Energy Market Pricing like...



PJM Existing Installed Capacity Mix

(CIRs – as of Dec. 31, 2023)



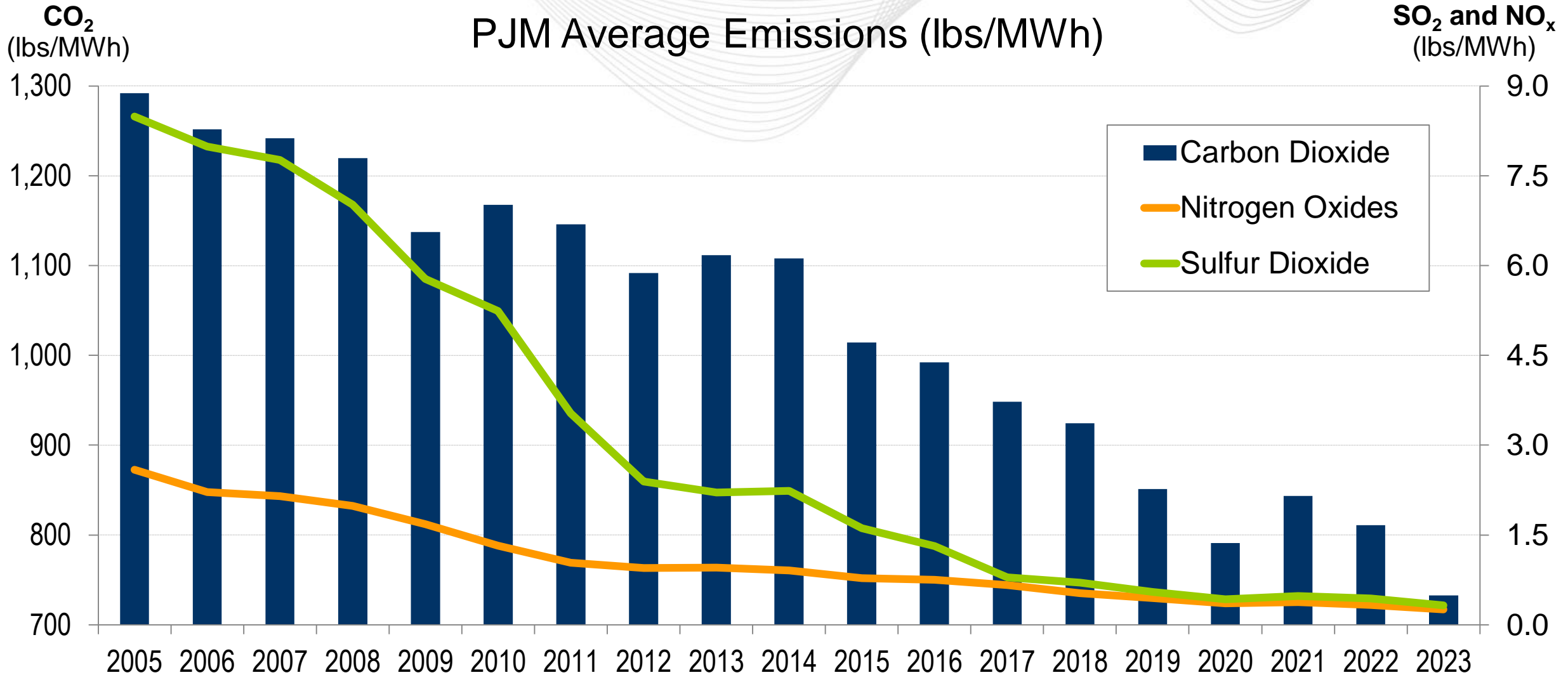


2005–2023 PJM Average Emissions

(March 2024)

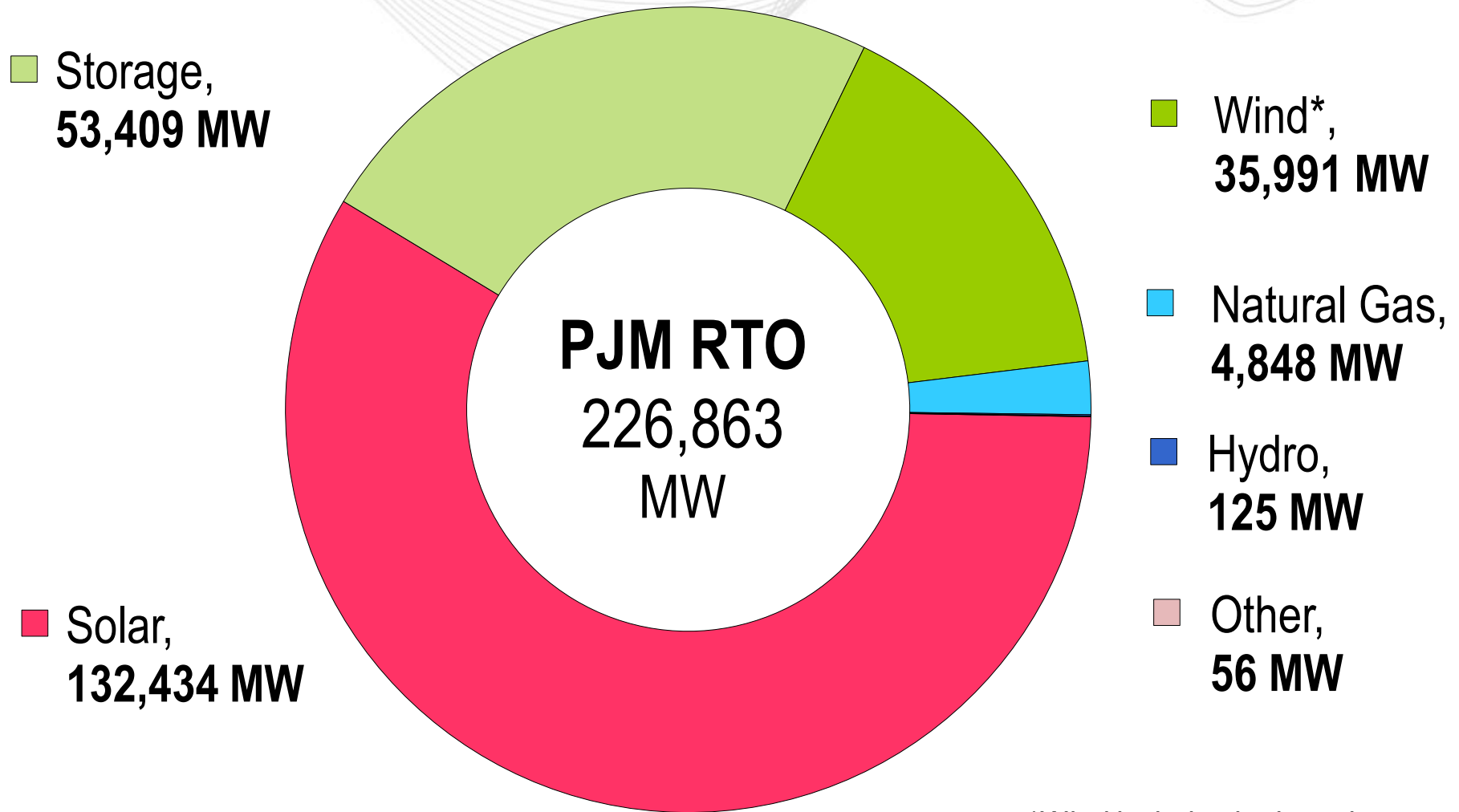
PJM Average Emissions (lbs/MWh)

SO₂ and NO_x
(lbs/MWh)

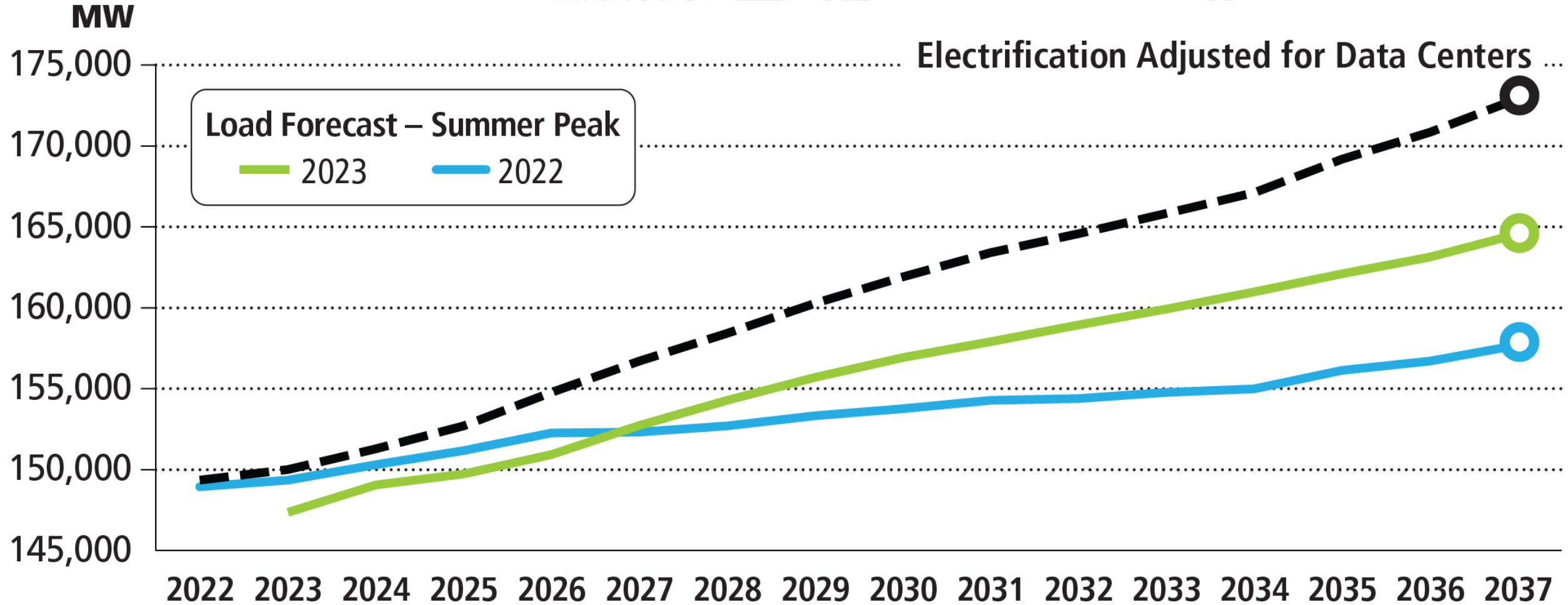


PJM Queued Capacity (Nameplate) by Fuel Type

("Active" in the PJM Queue as of April 1, 2024)

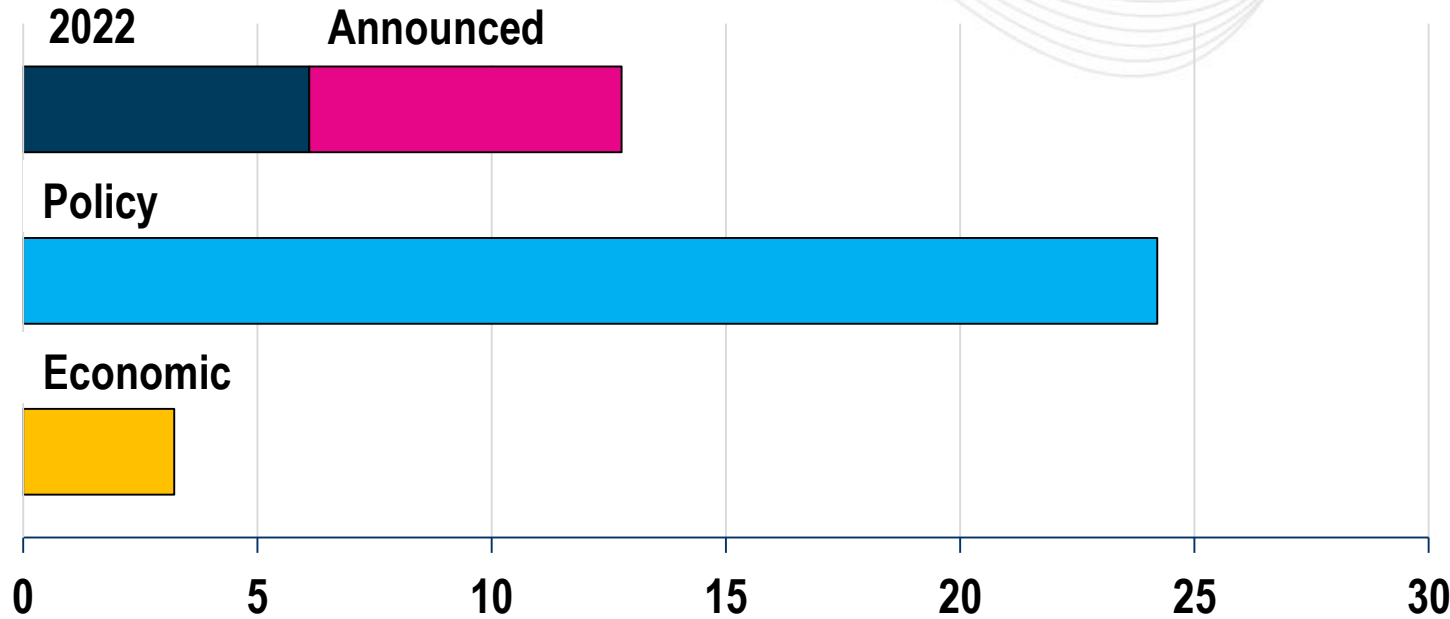


*Wind includes both onshore and offshore wind

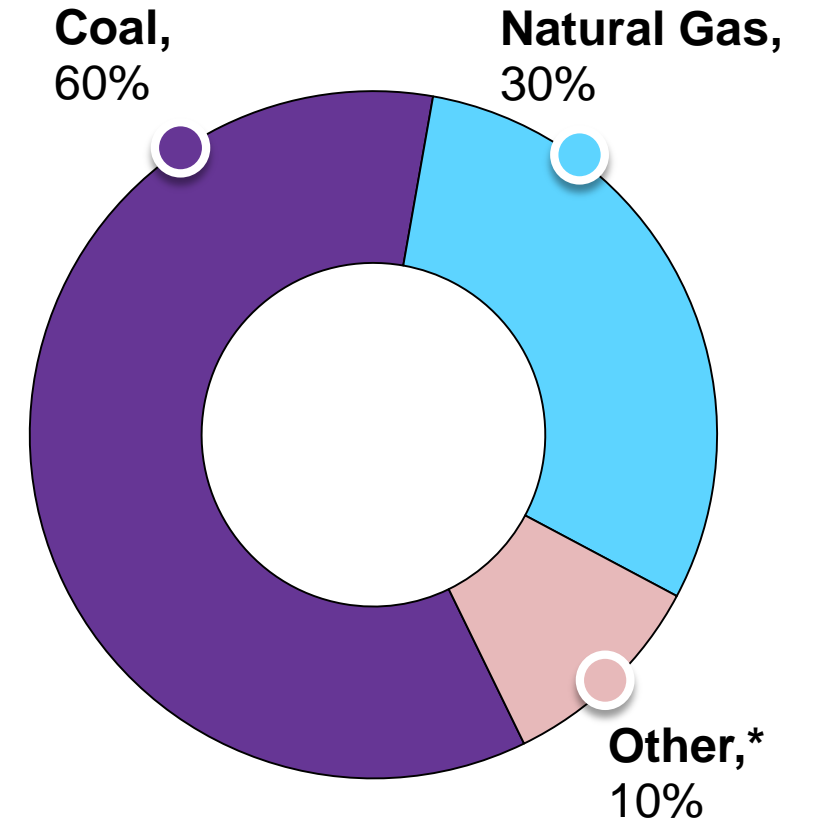


New version of
this slide

Total Forecasted Retirement Capacity (GW)



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



**Other includes diesel, etc.*

The Immediate Concern



Support

Resource
Performance

The Near-Term Concern

Energy Transition in PJM:
Resource Retirements, Replacements & Risks

Feb. 24, 2023

For Public Use

Ensure

Resource
Adequacy

The Upcoming Concern

Energy Transition in PJM:
Frameworks for Analysis

Dec. 15, 2021

For Public Use

Maintain & Attract

Essential Reliability
Services

Avoid policies meant to push generation resources off of the system until an adequate quantity of replacement generation is online and has been shown to be operating.

Analyze your state/local challenges in the deployment of new generation resources and electricity infrastructure, and *enact* policy to facilitate greater/quicker construction.

PJM is a resource to assist in your policy discussions.