

What is PJM?

Joined in 1927

Joined in 1956

Joined in 1965

Joined in 1981

Joined in 2002

Joined in 2004

Joined in 2005

Joined in 2011

Joined in 2012

Joined in 2013



Energy Prices-2022 Average Retail Rates

New York – 18.33 cents/kwh

New Jersey – 14.80 cents/kwh

Maryland – 13.32 cents/kwh

Pennsylvania – 11.86 cents/kwh

Ohio – 10.64 cents/kwh

National Average - 12.36 cents/kwh

Source: https://www.eia.gov/electricity/annual/html/epa_02_10.html

Total Power Production— 2022

Pennsylvania – 229 million MWHs

Illinois – 185 million MWHs

Ohio - 135 million MWHs

New Jersey – 65 million MWHs

Maryland – 37 million MWHs

National Total - 4.2 billion MWs

Source: https://www.eia.gov/electricity/annual/html/epa_03_07.html

Net Generation from Renewable Energy (excluding Hydro)— 2022

Pennsylvania – 5.4 million MWHs

Ohio - 4.6 million MWHs

Illinois – 25.3 million MWHs

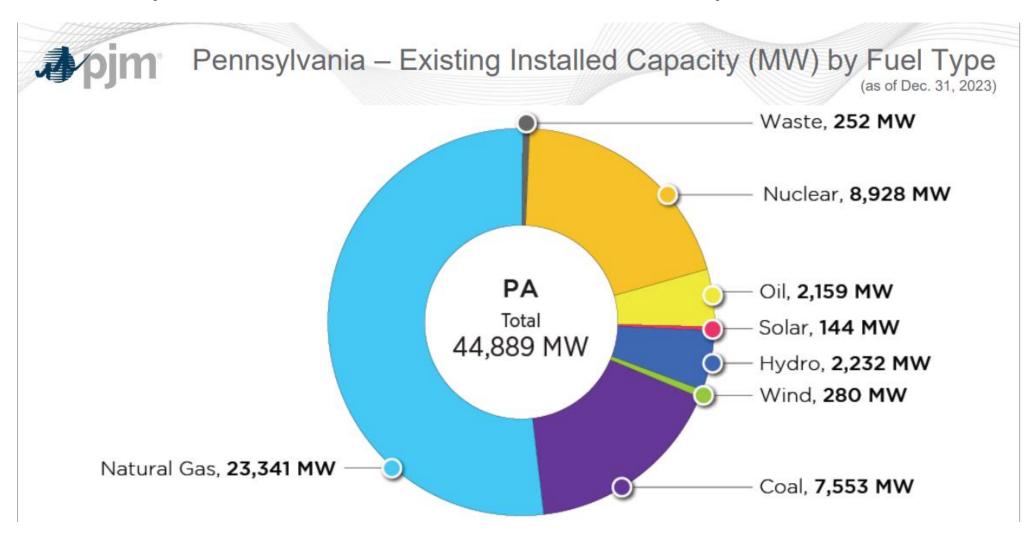
New Jersey – 2.2 million MWHs

Maryland – 1.5 million MWHs

National Total - 646 million MWs

Source: https://www.eia.gov/electricity/annual/html/epa_03_15.html

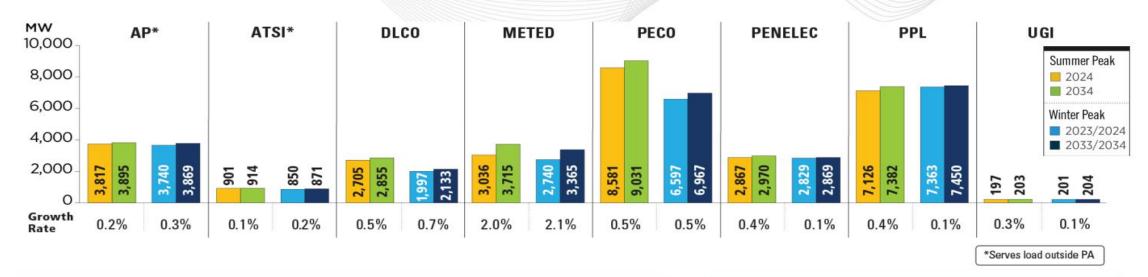
Pennsylvania's Generation Surplus



Pennsylvania's Generation Surplus



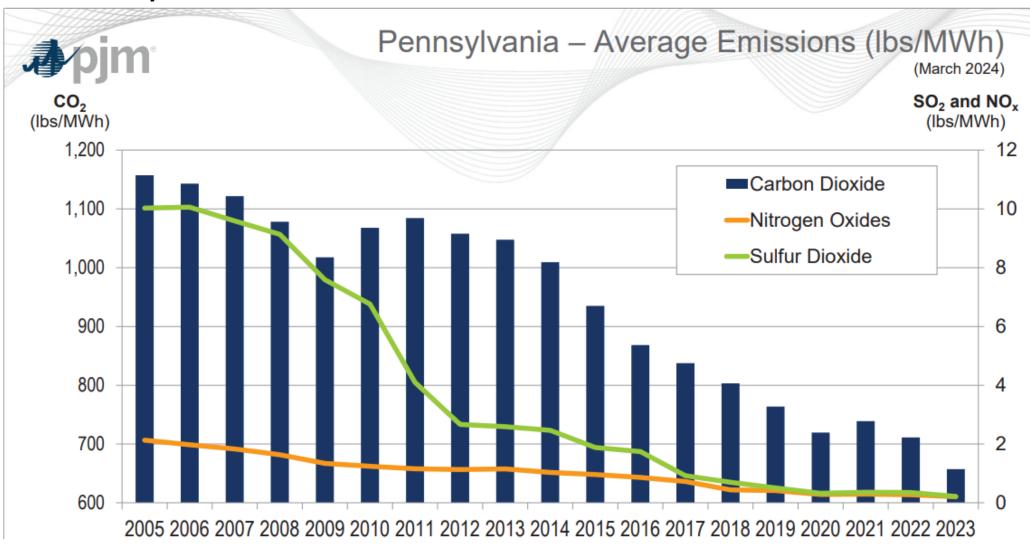
Pennsylvania – 2024 Load Forecast Report



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.

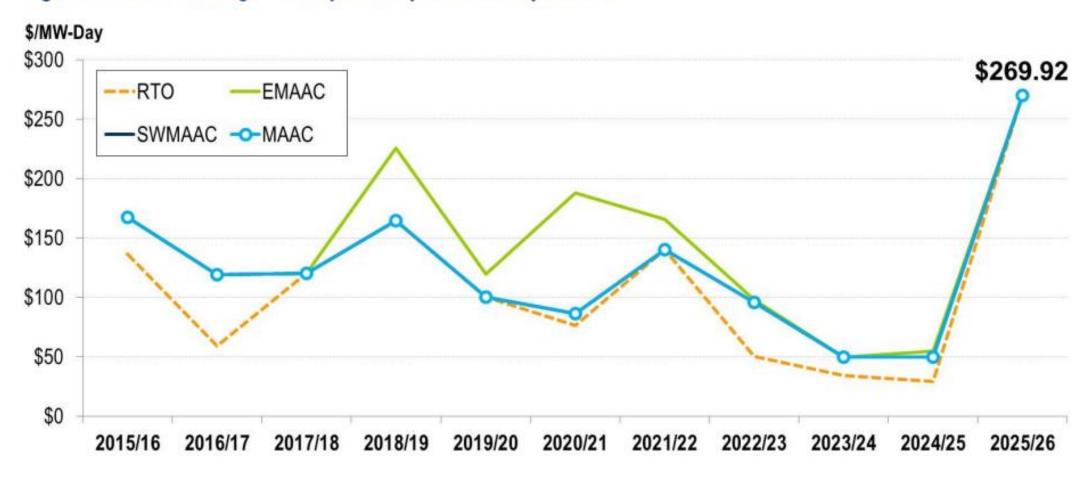


Pennsylvania Emissions



PJM Capacity Market Prices

Figure 1. BRA Clearing Prices by Delivery Year for Major LDAs



Response to Capacity Price – Post Auction

- Calpine Announced Acceleration of PJM Development Program
 - https://www.calpine.com/calpine-accelerates-pjm-development-program/.
- Middle River Power Withdrew Deactivation Notice of IL Peakers (480 MW)
 - https://www.pjm.com/-/media/planning/gen-retire/deactivation-notices/elgin-deactivation-withdrawal.ashx
- Constellation Entered Deal To Restart TMI (over 800 MW)
 - https://www.constellationenergy.com/newsroom/2024/
- Longview announced it was seeking an extension to build a gas plant in WV (1200 MW)
 - https://www.dominionpost.com/2024/10/11/longview-power-daughter-companies-ask-psc-for-extensions-to-build-and-begin-operating-g

Table 1

RTO RESULTS											
RPM Delivery Year		Annual Clearing Price (\$/MW-day)		CONE (UCAP, \$/MW-Day)	Annual Per Cent of RTO Net CONE	Target Installed Reserve Margin for the RTO	Realized RTO Reserve Margin				
2007/2008	\$	40.80	\$	161.27	25%	15%	19%				
2008/2009	\$	111.92	\$	161.71	69%	15%	17%				
2009/2010	\$	102.04	\$	161.71	63%	15%	18%				
2010/2011	\$	174.29	\$	163.47	107%	16%	16%				
2011/2012	\$	10.00	\$	171.40	64%	16%	18%				
2012/2013	\$	16.46	\$	276.09	6%	16%	21%				
2013/2014	\$	27.73	\$	297.92	9%	15%	20%				
2014/2015	\$	125.99	\$	343.23	37%	15%	19%				
2015/2016	\$	136.00	\$	320.63	42%	15%	19%				
2016/2017	\$	59.37	\$	330.53	18%	16%	20%				
2017/2018	\$	120.00	\$	351.39	34%	16%	20%				
2018/2019	\$	164.77	\$	300.57	55%	16%	20%				
2019/2020	\$	100.00	\$	299.30	33%	17%	22%				
2020/2021	\$	76.53	\$	292.92	26%	17%	23%				

RPM Delivery Year	nal Clearing (\$/MW-day)	ONE (UCAP, /-Day)	Annual Per Cent of RTO Net CONE	Target Installed Reserve Margin for the RTO	Realized RTO Reserve Margin
2021/2022	\$ 140.00	\$ 321.57	44%	16%	22%
2022/2023	\$ 50.00	\$ 260.50	19%	15%	20%
2023/2024	\$ 34.13	\$ 274.96	12%	15%	20%
2024/2025	\$ 28.92	\$ 293.19	10%	15%	20%
2025/2026	\$ 269.92	\$ 228.81	118%	18%	19%
Average to 2024- 2025	\$ 89.94	\$ 265.69	37%		
Average Full Range	\$ 99.41	\$ 263.75	42%		
Average 2025-26			34%		
Average as % of 2025 Net CONE			39%		
Average as % of Average Net CONE over Range			34%		