INDUSTRY…AT A GLANCE

November 2025

DRILLING ACTIVITY IN PA

Pennsylvania:
A World-Class Player in Shale Gas Production

- 2nd largest natural gas producer in U.S.
- Nearly 12,000 producing wells
- 7.4 Trillion Cubic Feet (2024)
- 18% of total U.S. natural gas production
- 36 of 67 counties with at least 1 producing well

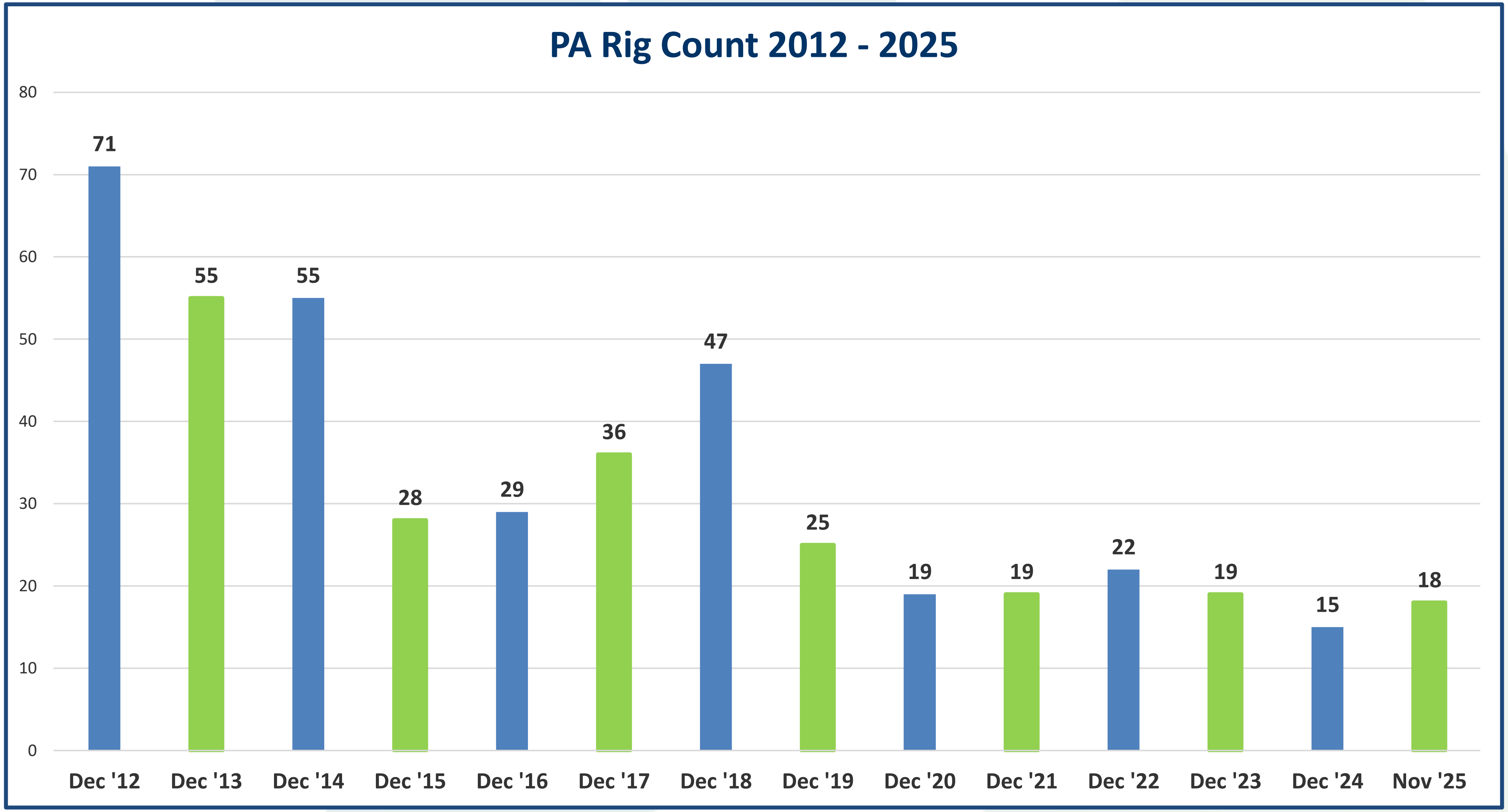
Drilling Activity in PA

- 13, 475 unconventional wells*
- 11,930 unconventional wells producing natural gas
- 3,927 unconventional well pads
- Nearly 21 billion cubic feet/day
    - 7.4 trillion+ cubic feet/year
    - 32% of total U.S. shale gas production

Drilling rig in Potter County, PA

* September 2025 (most recent data available)

Drilling Activity in PA



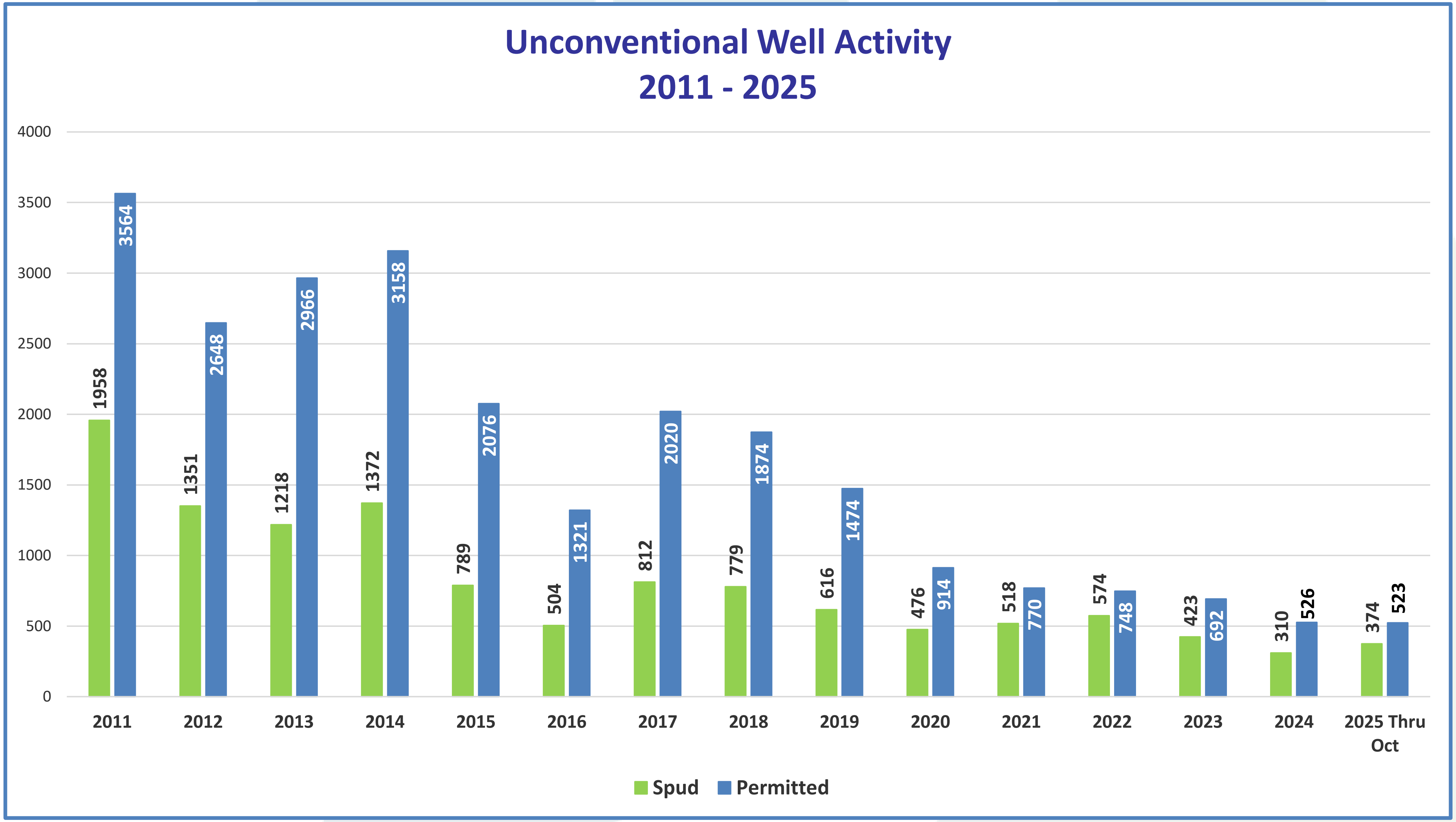
Drilling Activity in PA

Keep in Mind…

- Rig count not the same metric as 6-8 years ago:
  - Longer laterals
  - More efficient drilling
  - More frac stage completions

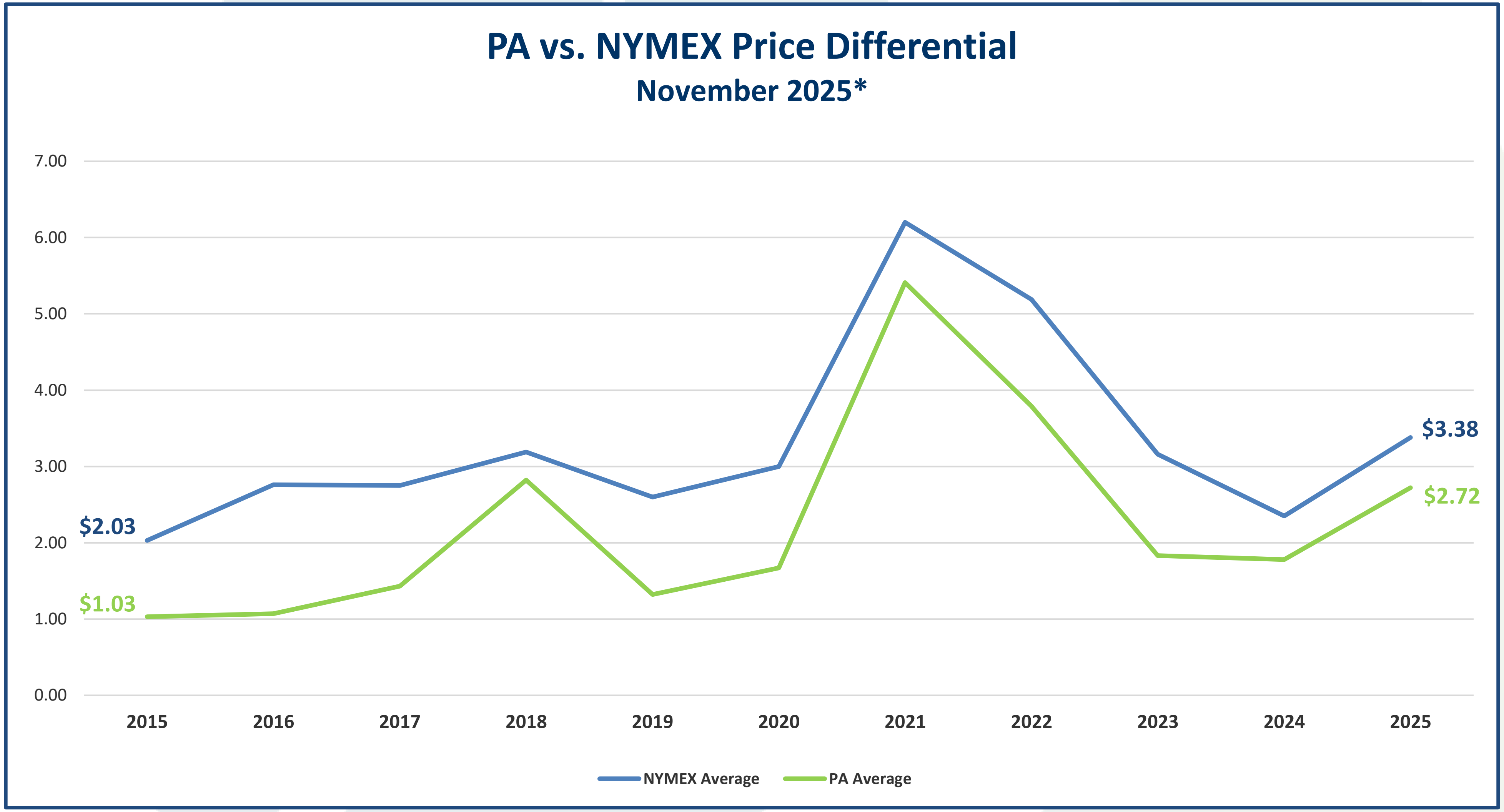
- But still *an* indicator:
  - Oil v Gas
  - Wet v Dry
  - Basin v Basin

Drilling Activity in PA



PRICING

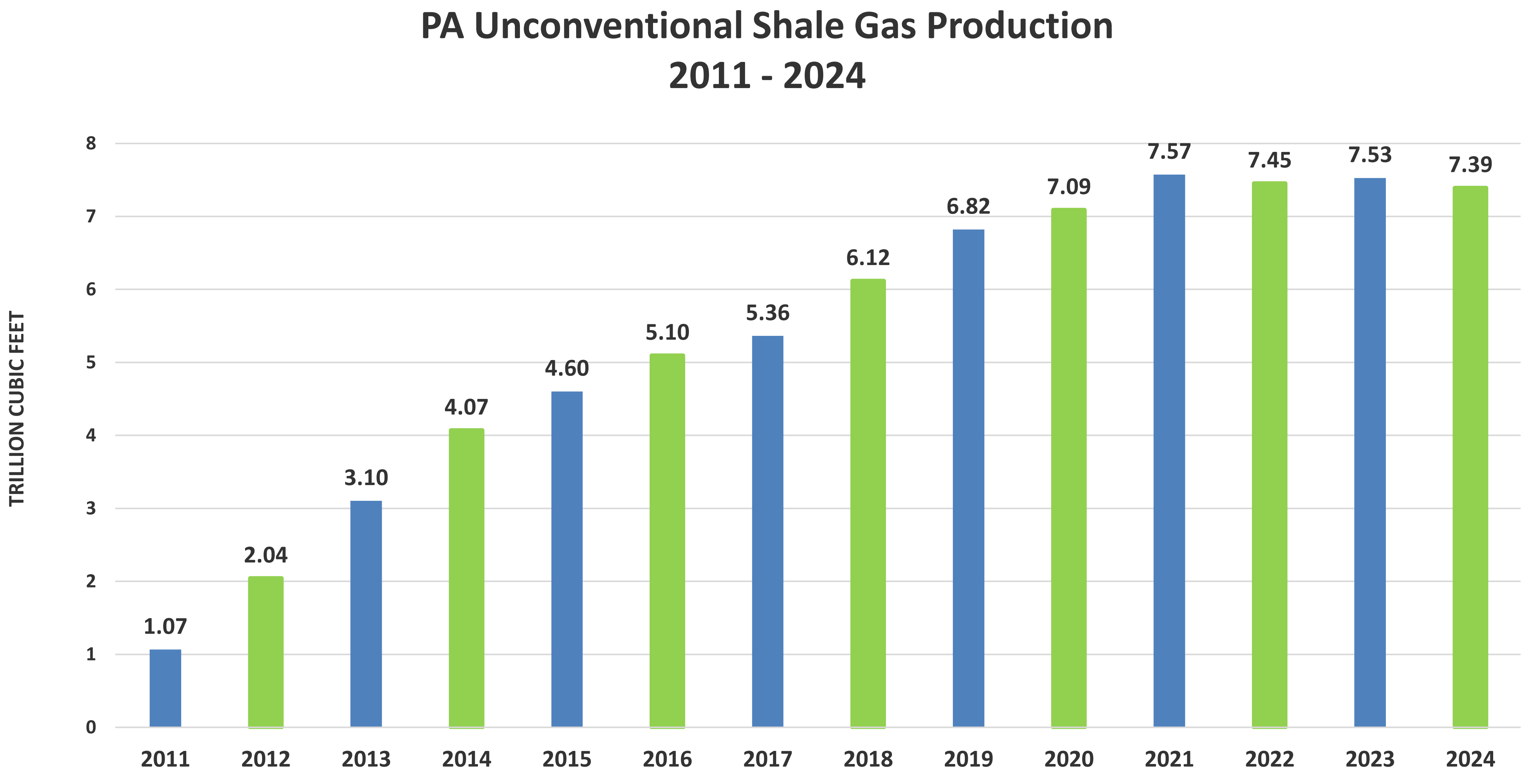
PA Price Differential



* November 2025 Monthly Bidweek Price – Platts Inside FERC
Price reflects year-over-year for current month

NATURAL GAS PRODUCTION

Fueling the Nation



Source: Marcellus Shale Coalition & PA DEP

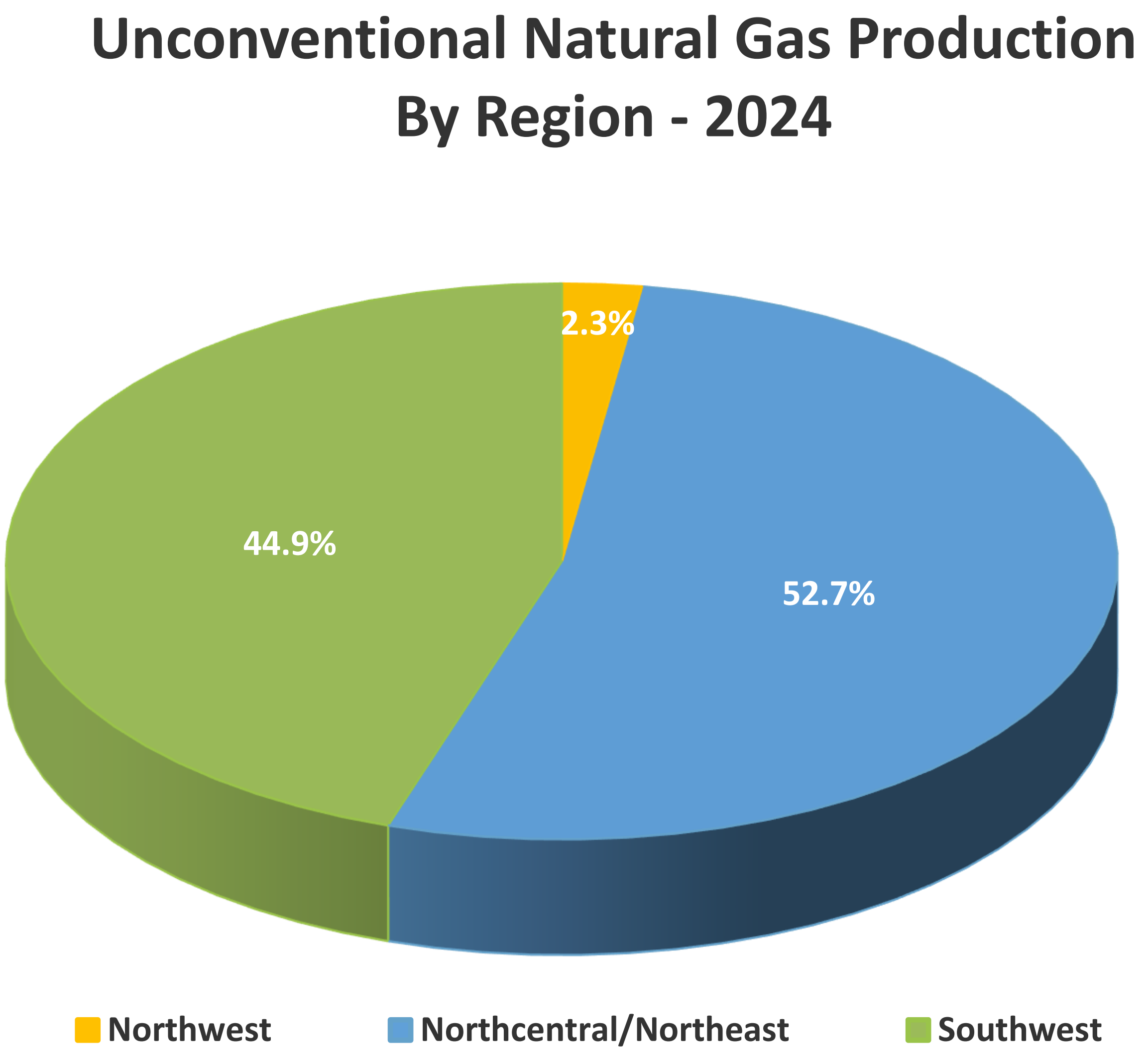
By The Numbers

MARCELLUS SHALE COALITION®

Top Ten Producing Counties by Volume (2024)

County	Production (MCF)	% of PA Production	# of Producing Wells
Susquehanna	1,404,527,885	18.67%	1,936
Greene	1,149,350,374	15.3%	1,452
Bradford	1,131,149,998	15%	1,458
Washington	1,100,112,241	14.6%	1,898
Lycoming	519,812,079	6.9%	981
Tioga	432,852,334	5.8%	846
Westmoreland	297,914,107	4%	337
Butler	287,297,287	3.8%	609
Wyoming	234,410,019	3.1%	320
Allegheny	167,888,189	2.2%	181

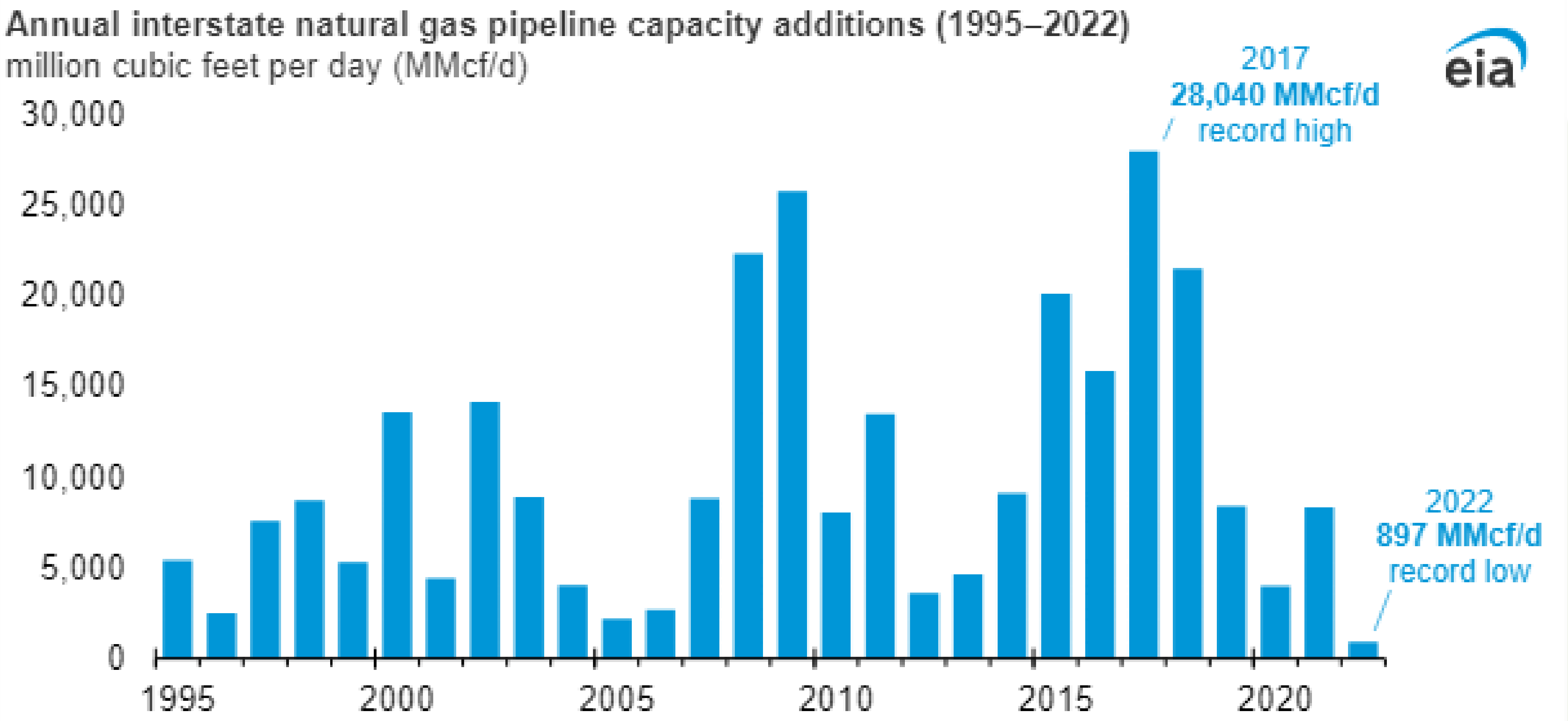
By The Numbers



MARCELLUS SHALE COALITION®

MOVING GAS TO MARKET

Slowing Infrastructure Build-Out



Source: U.S. Energy Information Administration – State to State Capacity Tracker

Slowing Infrastructure Build-Out

MARCELLUS SHALE COALITION®

Natural Gas, Oil Project Delays, Cancellations

CRUDE OIL | REFINED PRODUCTS | NATURAL GAS

PROJECT	COMMODITY	OPERATOR	STATUS	YEARS ELAPSED PROPOSAL TO CANCELLATION[1]
KEYSTONE XL	Crude oil	TC Energy	CANCELLED	13
PORTLAND TO MONTREAL PIPELINE REVERSAL	Crude oil	Suncor	CANCELLED	13
DAKOTA ACCESS PIPELINE EXPANSION	Crude oil	Energy Transfer	PERMIT VACATED	3
BYHALIA (DIAMOND TO CAPLINE)	Crude oil	Valero / Plains	CANCELLED	2
PALMETTO	Refined products	Kinder Morgan	CANCELLED	2
ATLANTIC COAST	Natural gas	Dominion Energy	CANCELLED	6
CONSTITUTION	Natural gas	Williams	CANCELLED	8
MOUNTAIN VALLEY	Natural gas	equitrans Midstream	UNDER CONSTRUCTION	9
PENNEAST PIPELINE	Natural gas	PennEast	CANCELLED	6
JORDAN COVE ENERGY PROJECT	Natural gas	Pembina	CANCELLED	14

Note: Based on data from Rystad Energy; For Mountain Valley Pipeline, years elapsed represents from project's proposal to today.

Source: American Petroleum Institute

Infrastructure Build-Out

Company	Proposed Pipeline	State(s)	Estimated Size in Bcfd	Possible in Service Date
Williams - Transco	Northeast Supply Enhancement (NESE)	PA, NJ, NY	0.4	Nov 2027
Williams / Coterra	Constitution	PA, NY	0.65	Q3 2027
Williams - Transco	Southeast Supply Enhancement	VA, NC, SC, GA, AL	1.6	Q4 2027
EQT - Mountain Valley Pipeline	Mountain Valley Pipeline - Southgate	VA, NC	0.55	mid 2028
DT Midstream/TC Energy	Millennium expansion	NY	0.5	Nov 2029
Williams - Transco	Power Express	VA	0.95	Q3 2030
Boardwalk Pipelines - Texas Gas Transmission	Borealis	OH	2.0	
EQT	Mountain Valley Pipeline expansion	WV, VA	0.5	

Source: Reuters/Scott DiSavino; Marcellus Drilling News
June 30, 2025

PA'S SEVERANCE TAX:

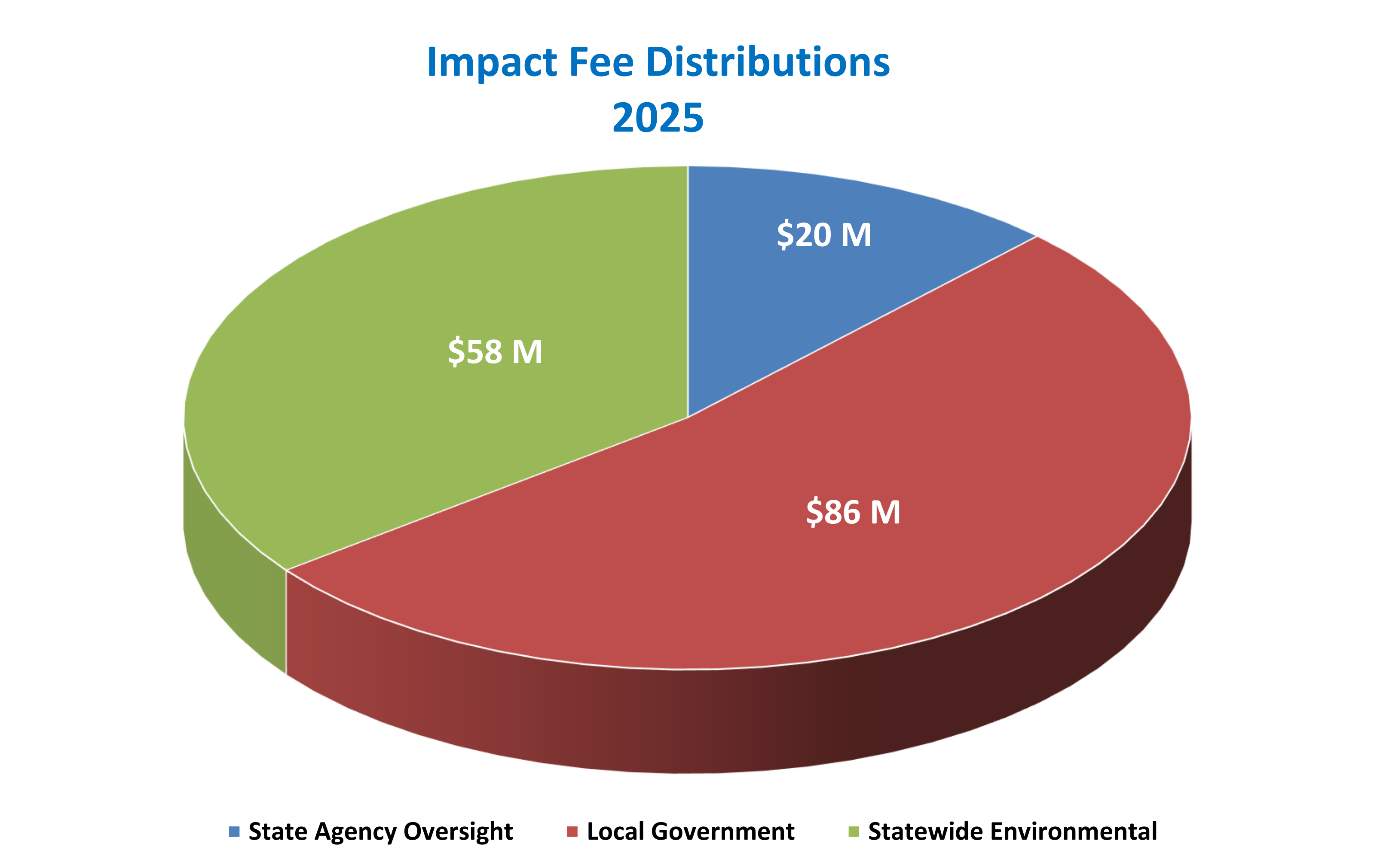
THE IMPACT FEE

Impact Fee Revenues to Date

MARCELLUS SHALE COALITION®

Year Distributed	Amount
2012	$204.2 M
2013	$202.5 M
2014	$225.8 M
2015	$223.5 M
2016	$187.7 M
2017	$173.3 M
2018	$209.6 M
2019	$251.8 M
2020	$200.3 M
2021	$146.3 M
2022	$233.8 M
2023	$278.8 M
2024	$179.6 M
2025	$164.6 M
TOTAL:	**$2.88 Billion**

Benefiting PA Communities



Benefitting Communities

PA'S NATURAL GAS IMPACT FEE (TAX)

NEARLY $3 BILLION GENERATED SINCE 2012

$1.8B

Supporting Community Initiatives

$1.2B

Supporting Statewide Projects

Benefitting Communities

NATURAL GAS TAX REVENUES NEAR **$3 MILLION** FOR PA

$165 MILLION DISTRIBUTED IN 2025

$86M
LOCAL GOVERNMENTS

$58M
STATEWIDE ENVIRONMENTAL PROGRAMS

$20M
STATE AGENCY OVERSIGHT

CONSUMER & ECONOMIC BENEFITS

Benefiting Consumers

Lower Prices = Customer Savings

- Wholesale electric prices generally stable since 2008
- Market transition through rate caps, fuel generation shift
- Natural gas prices for end-use customers down 35% - 86% compared to 2008 **
- Average annual natural gas savings > $388 - $1,082 per household

Lower Prices = Customer Savings
2008 vs 2024

Utility	PGC Rate / MCF		% Change	Annual Customer Savings**		
	2008*	2024*	2008-2024	Residential	Commercial	Industrial
PECO	$13.16	$4.86	-63%	$564	$3,860	$25,938
NFG	$10.86	$3.13	-71%	$673	$1,933	$11,773
PGW	$13.02	$3.34	-74%	$590	$3,243	$9,680
Columbia	$15.94	$4.82	-70%	$767	$3,314	$41,767
UGI	$13.26	$4.53	-66%	$629	$2,750	$10,895
Peoples/Equitable	$15.89	$3.37	-79%	$977	$3,230	$39,438

* PUC Purchased Gas Cost (PGC) Rate in Effect Prior to Annual Review

** Based on average customer usage for each utility as reported in PA PUC Natural Gas Outlook 2024

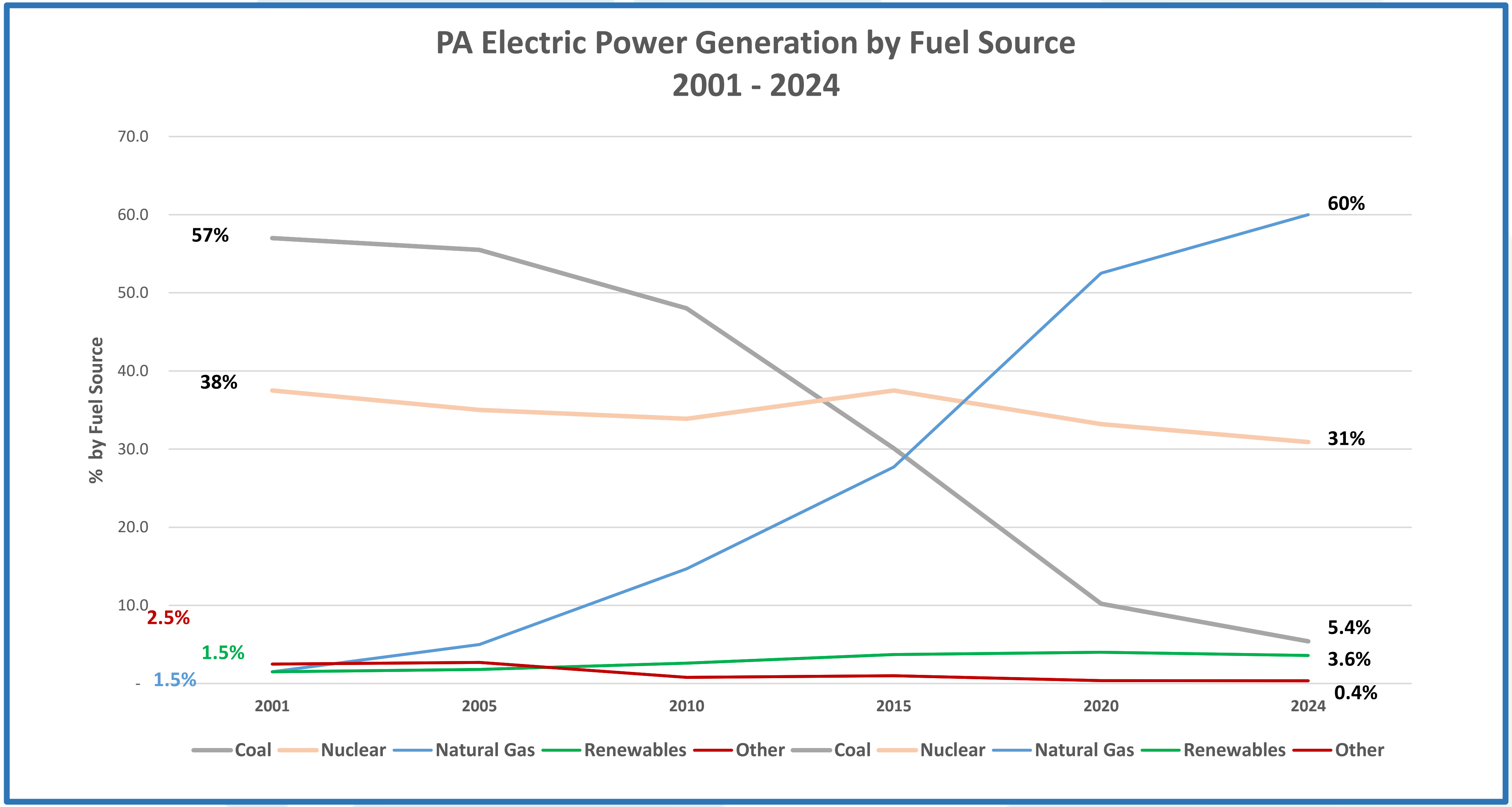
Benefiting Consumers

$9,956,555,484

PA Natural Gas Consumer Savings in 2024 compared to 2008 prices

Based on average customer usage for each PA utility as reported in PA PUC Natural Gas Outlook 2024.
Savings adjusted to reflect inflation 2008-2024 (Bureau of Labor Statistics)

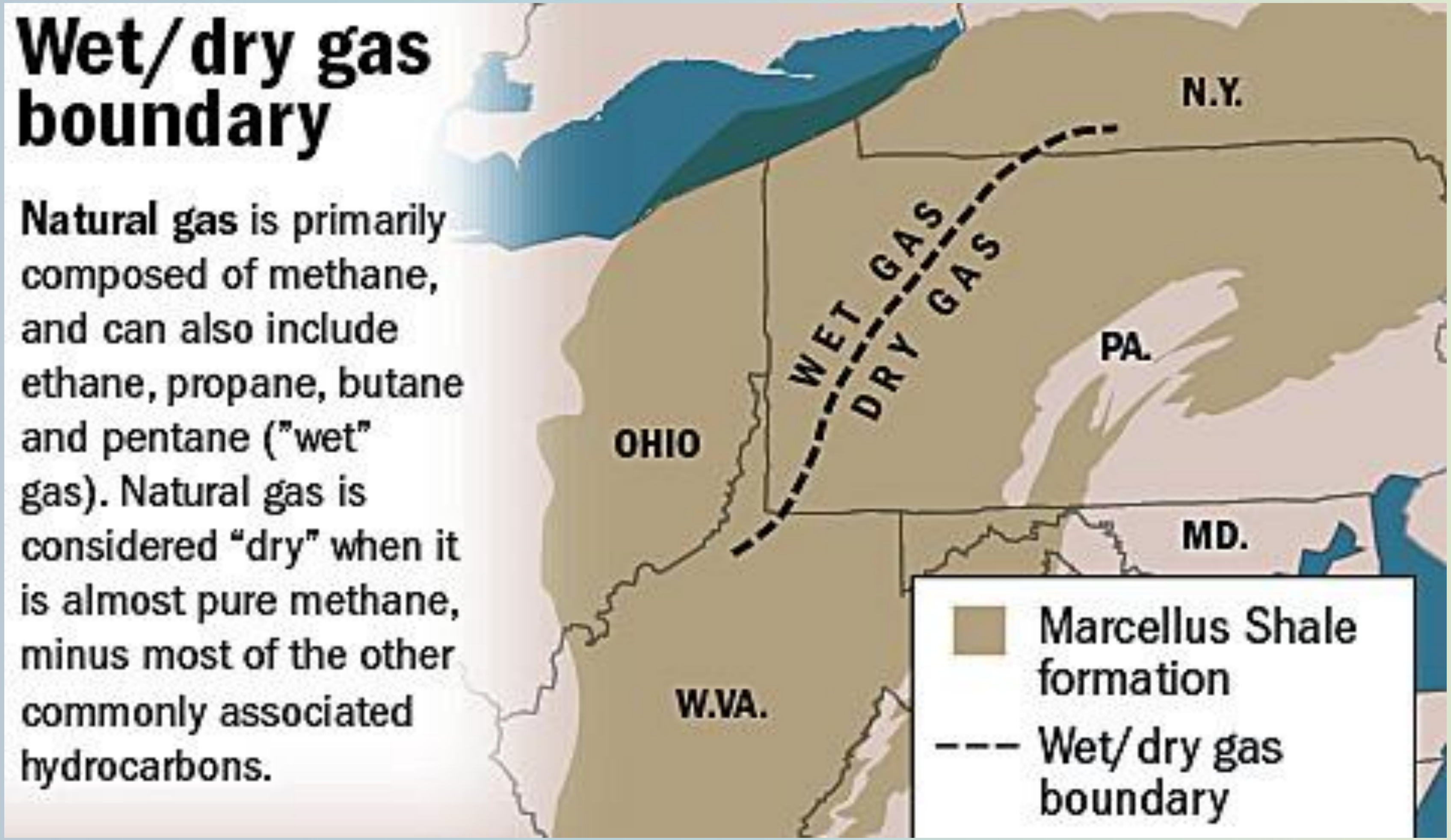
PA's Changing Energy Landscape



Source: U.S. Energy Information Administration – Electricity Data Browser

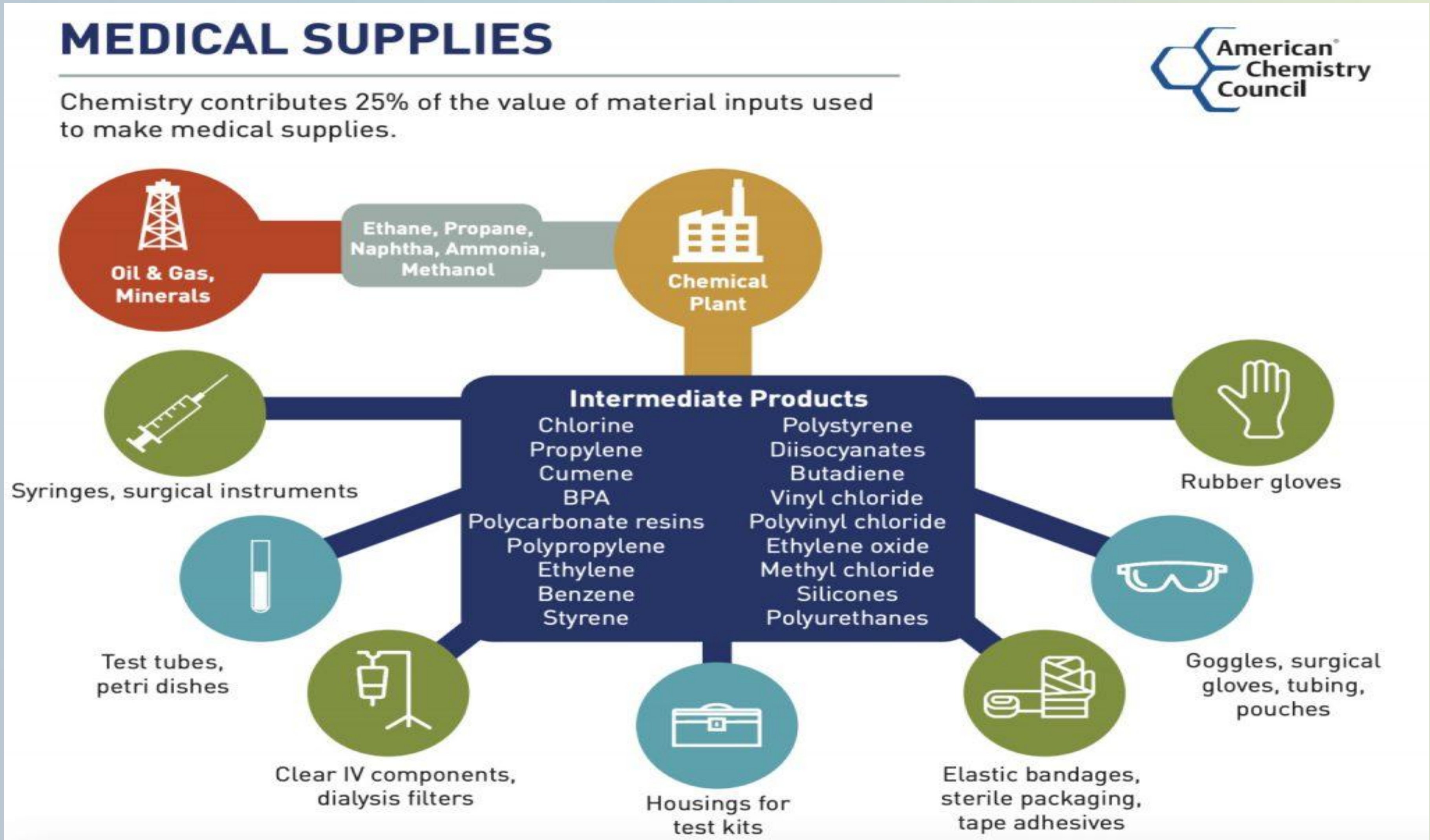
NATURAL GAS LIQUIDS

Shale Gas in PA



Source: Penn State University Extension

Natural Gas Liquids: Feedstock of Our Economy



COVID Vaccines

- **Refrigeration** – Various chemicals captured as byproduct from butane production to meet extreme temperature storage standards
- **Vaccine administration**: Syringes, vaccine vials, masks, gloves, face shields, anti-septic, band-aids
- **Vaccines**: Both Moderna & Pfizer's vaccine contain polyethylene glycol derived from natural gas liquids

- **Transportation:** Truck fuel to distribution sites
- **Dry ice:** CO2 captured during petroleum refinement used for long-haul transport
- **Health facilities:** heating, cooling & electrical power

Fueling Manufacturing

MARCELLUS SHALE COALITION®

- **$208 Billion Chemical Industry Investment Tied to Shale Gas**
  - $109 Billion (completed projects)
  - $31 Billion (under construction)
  - $68 Billion (planning phase)
- **351 Total Projects**
  - 786,000 total jobs
  - $61.1 Billion payroll
  - $309.5 Billion economic output

Source: American Chemistry Council. Economic contributions tied to higher chemical industry output 2010 – 2030.

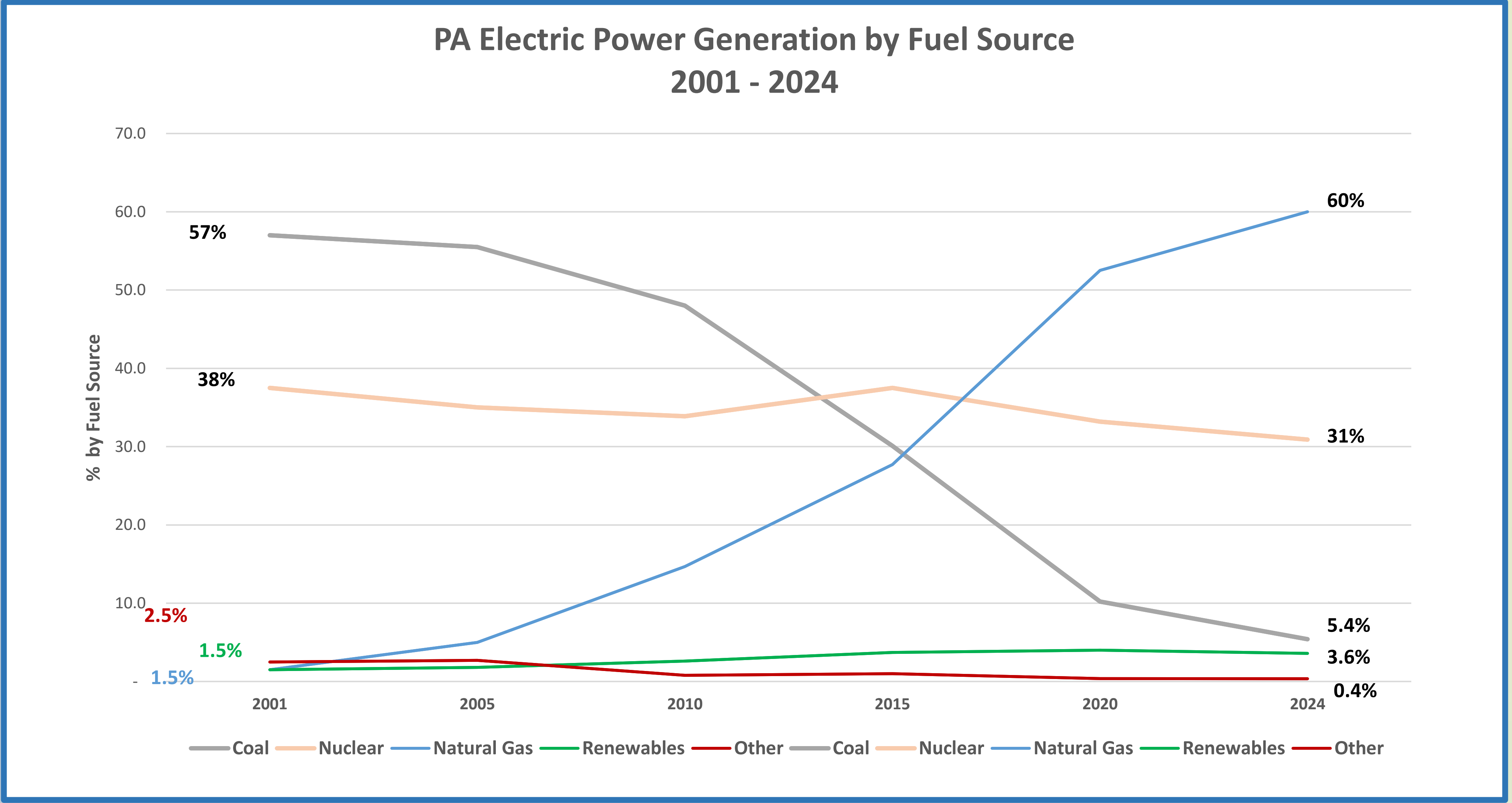
"Thanks to this versatile resource, American chemistry has experienced more than a decade of growth. Our new investment boosts employment, payrolls, and tax revenue in local communities and nationwide."

Chris Jahn, President & CEO, ACC

ENHANCING AIR QUALITY

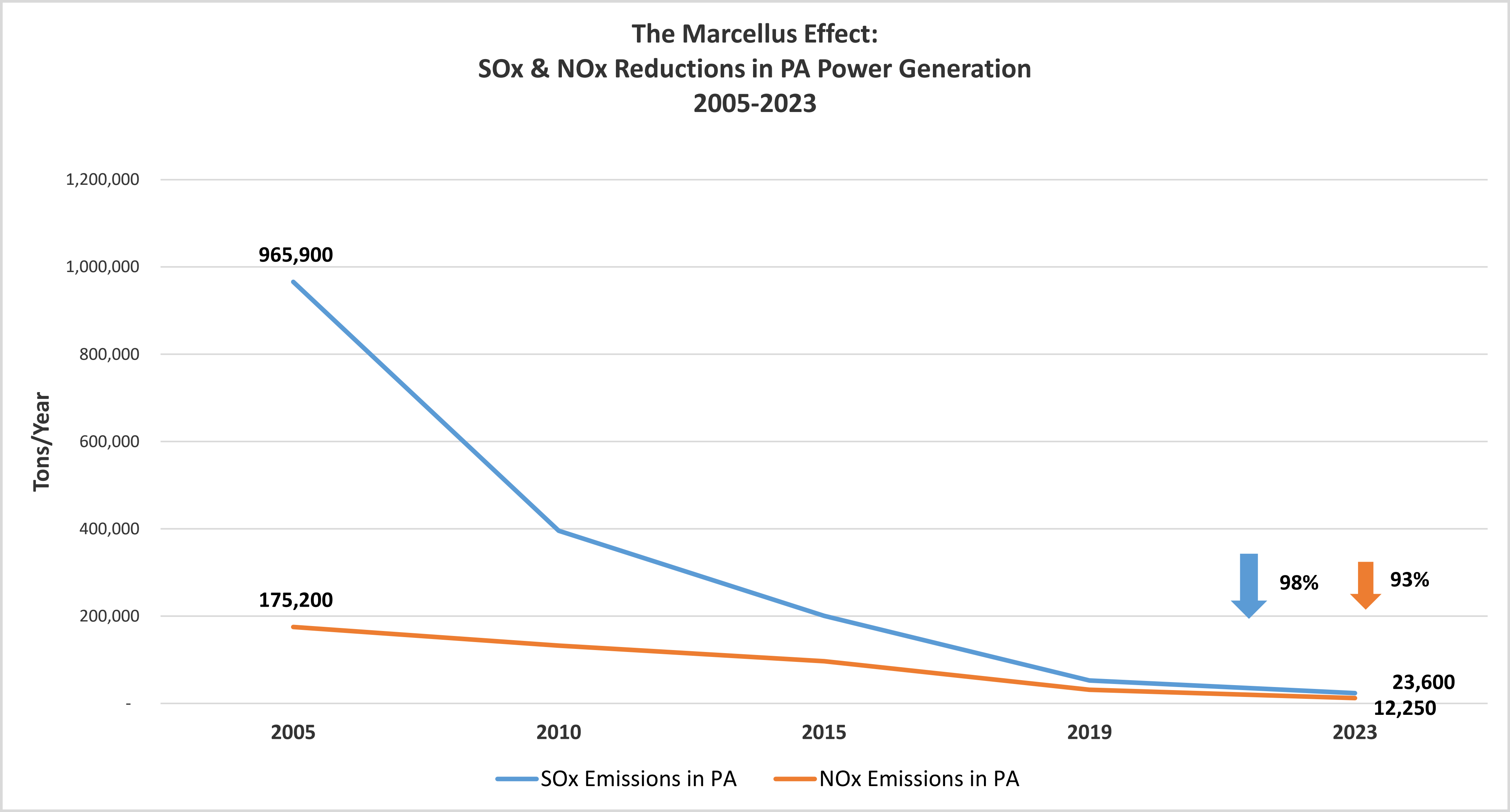
PA's Changing Energy Landscape

MARCELLUS SHALE COALITION®



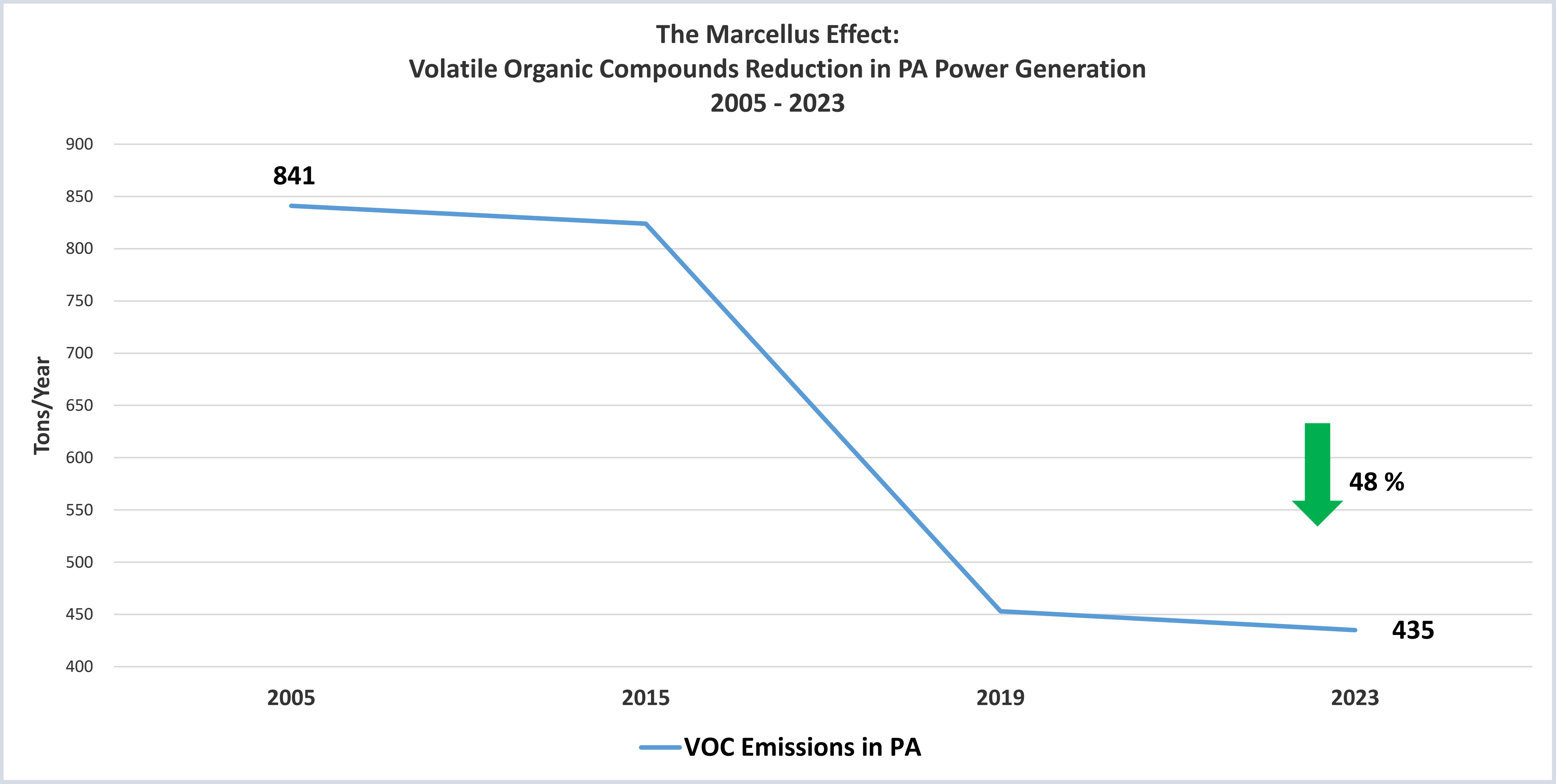
Source: U.S. Energy Information Administration – Electricity Data Browser

Enhancing Air Quality



Source: PA Department of Environmental Protection – Air Emission Report (Power BI) – Accessed February 2025

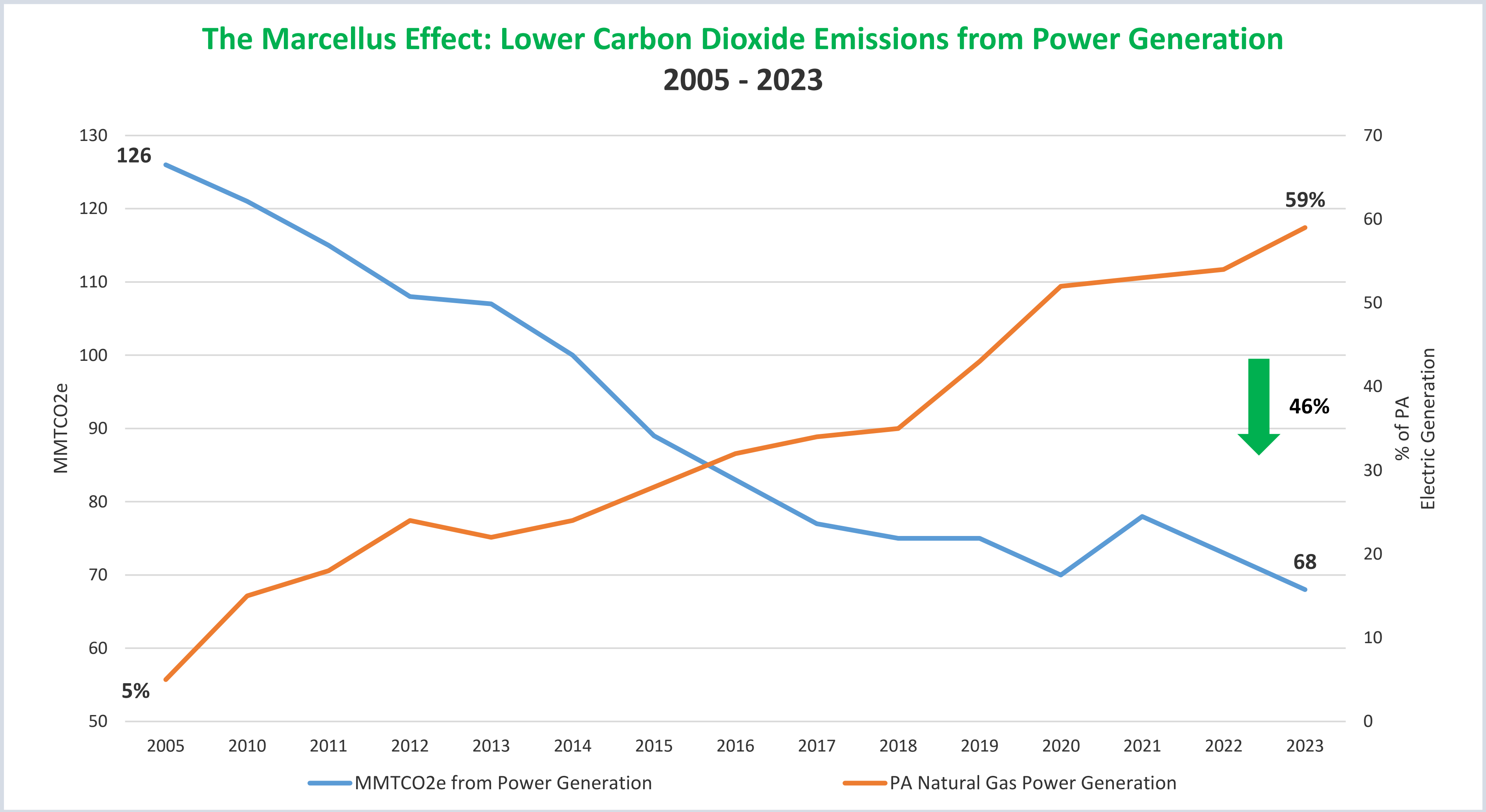
Enhancing Air Quality



Source: PA Department of Environmental Protection – Air Emission Report (Power BI) – Accessed February 2025

Leading on Climate Change

MARCELLUS SHALE COALITION®



Source: U.S. Energy Information Administration; PA IFO

Enhancing Air Quality

Environmental Benefits are Undeniable

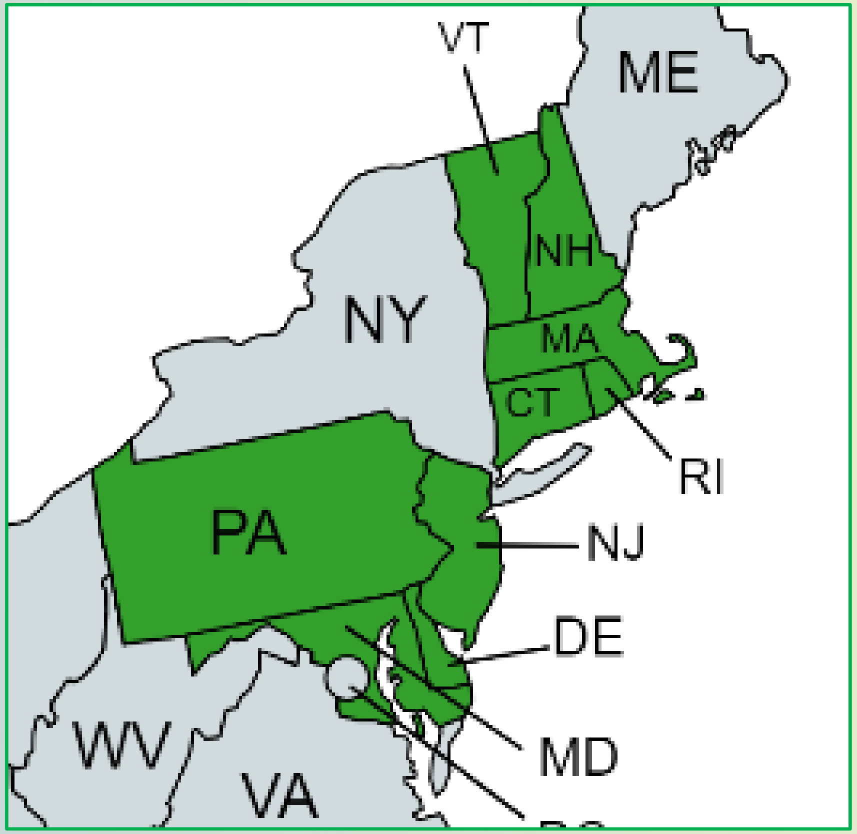
Since 2005…

- VOCs *down 48%*
- NOx *down 93%*
- SOx *down 98%*
- CO_2 *down 46%*

Reductions from PA Electric Power Generation Sector

Enhancing the Environment…Now and in the Future

- Thanks to natural gas electric generation, PA emitted 58 million metric tons fewer of CO_2 in 2023 compared to 2005.
- This is equivalent to removing **12.5 Million** cars from the road for a year.
- Or – removing every car in PA, CT, DE, MA, MD, NH, NJ, RI & VT – *combined*



Enhancing the Environment…Enhances Public Health

MARCELLUS SHALE COALITION®

Since 2005

- Natural gas electric generation has increased from 5% to 60% of all PA generation.
- As a result, **nitrogen oxide emissions** are **down 93%** (1,480,300 *fewer* tons emitted) and **sulfur oxide emissions** are **down 98%** (12,069,800 *fewer* tons emitted) from the PA electric generation sector.
- These emission reductions equate to public health benefits of between **$491 Billion - $1.13 Trillion** for Pennsylvania residents.

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