



# **NATURAL GAS IN WEST VIRGINIA'S POWER SECTOR**

Presentation Before the West Virginia Public Energy Authority

**Rebecca McPhail**  
President, West Virginia Manufacturers Association

December 7, 2022

# MAXIMIZING OUR RESOURCES

- ✓ Job Creation
- ✓ Economic Growth
- ✓ Expanded PJM Capacity

**13NEWS**

**New power plant to bring jobs to West Virginia**

*The Intelligencer.*  
Wheeling News-Register

<sup>Charleston</sup>  
**Gazette-Mail**

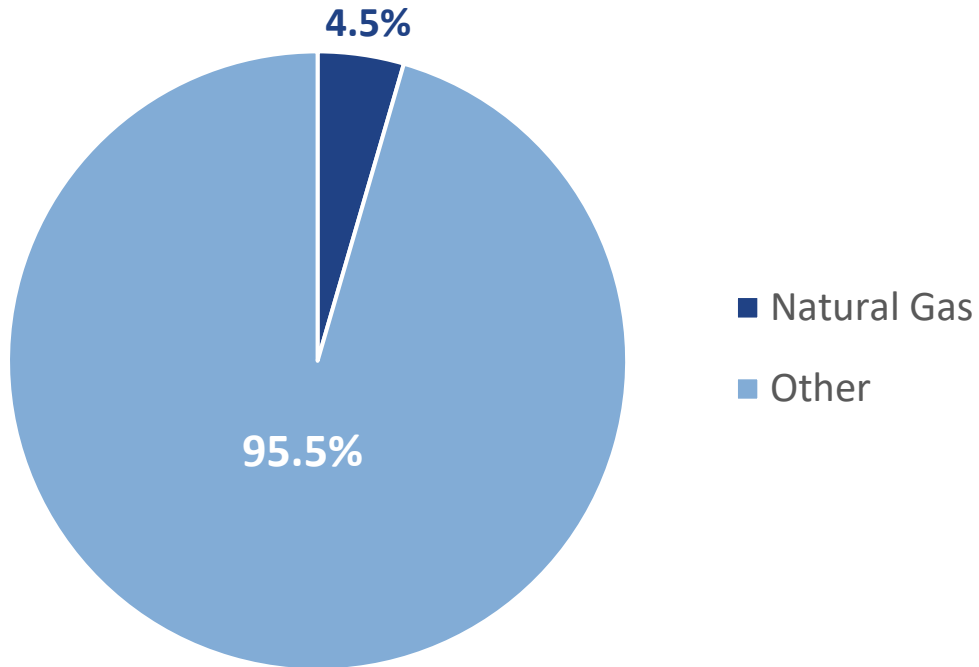
**Manchin, officials announce plans for natural gas plant in WV**

**Power Plant To Be \$3 Billion Investment in West Virginia**

- ~1,800 MW combined-cycle power station w/ CCS
- ~\$3 billion investment
- More than 1,000 WV skilled labor jobs
- 200 full time jobs once operational

# AT-A-GLANCE

West Virginia Net Electricity Generation  
By Source



**West Virginia** is one of **America's top natural gas producers** yet sits in the **bottom 10** for **in-state natural gas power generation**.

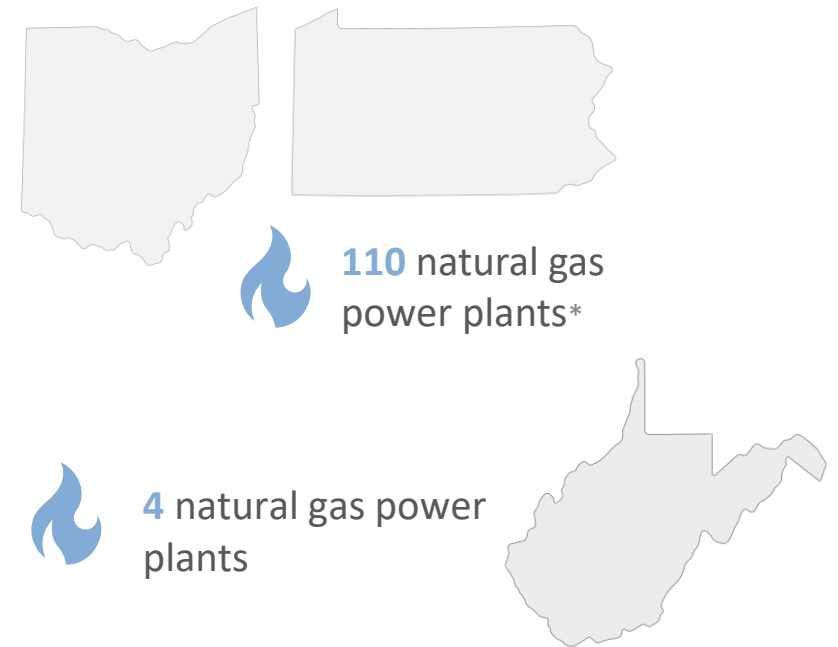
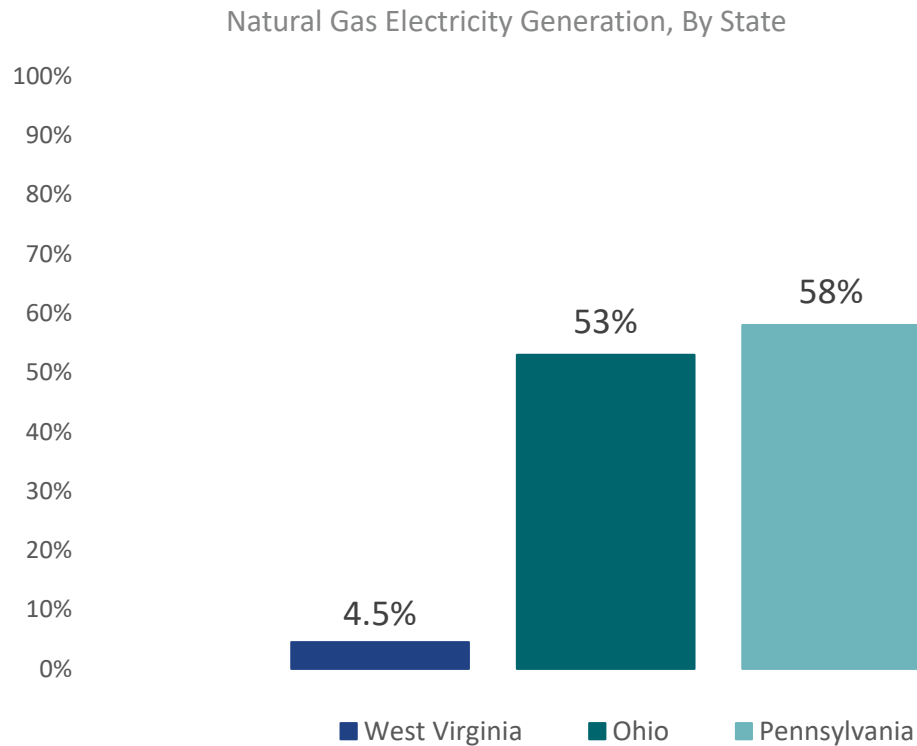


**#42**  
in the U.S. in net natural gas  
generation for the electric  
power sector.

We're missing out on significant **capital investments, job creation** and **environmental progress**.

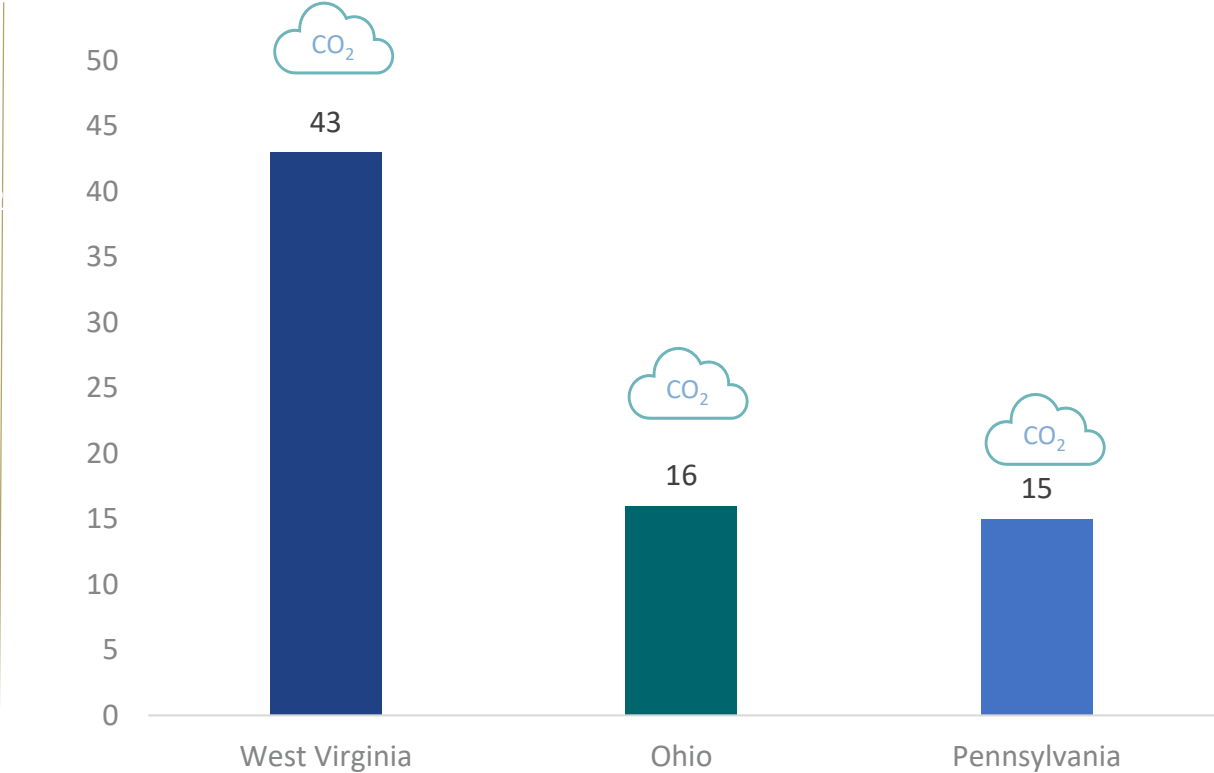
# LAGGING IN NATURAL GAS POWER GENERATION

We're way behind our neighbors in putting our abundant energy resources to use, losing out on billions of dollars in investment for new, highly efficient combined cycle natural gas power plants to make West Virginia competitive with Pennsylvania and Ohio.



\*includes heat exhaust, single and combined-cycle facilities

# Achieving Emissions Goals



Metric Tons (MT) of Energy-Related CO2 Emissions Per Capita

U.S. EIA, [Per Capita Energy-Related CO2 Emissions](#), Data Tables By State

# The Vital Need for 1-Off / 1-On

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“During the broader, long-term energy transition underway, we must remember that balance is crucial to supporting reliability. As we look forward, **thermal** energy sources provide the flexibility and other services we **need** to keep the grid strong and stable. **Until** another technology can provide those reliability attributes at scale, we will **need** those generators.”

-Stu Bresler, Senior VP, PJM (September 28, 2022 - WVPEA)

“The pace of resource **additions** needs to keep up with the pace of resource **retirements** that are being driven significantly by state and federal policy.”

-Stu Bresler, Senior VP, PJM (September 28, 2022 - WVPEA)

# MOVING FORWARD

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## Takeaways

- The PJM **baseload cannot be replaced by renewables** until the intermittency problem is solved
- Energy transitions must be on a **1-off/1-on** basis to maintain current energy needs
- West Virginia must **plan for the future today**
- Economic benefits are real and yet to be realized when it comes to natural gas power generation in West Virginia

## Path Forward

- Clear a path for West Virginia to be **THE regional energy leader**
- Maintain PJM grid stability and meet demand in the near term
- Focus on a **West Virginia benefit** through long term energy transitions
- An **All the Above (and below!)** approach should be a goal for power generation in West Virginia