NATURAL GAS IN WEST VIRGINIA’S POWER SECTOR
Presentation Before the West Virginia Public Energy Authority

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MAXIMIZING OUR RESOURCES

- Job Creation
- Economic Growth
- Expanded PJM Capacity

- ~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
**West Virginia Net Electricity Generation By Source**

4.5% Natural Gas

95.5% Other

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

- We’re missing out on significant capital investments, job creation and environmental progress.

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U.S. EIA, *Natural Gas Consumption by End Use*, Volumes Delivered to Electric Power Consumers, Annual
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.

natural gas power plants

*includes heat exhaust, single and combined-cycle facilities
Achieving Emissions Goals

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

West Virginia: 43
Ohio: 16
Pennsylvania: 15

U.S. EIA, Per Capita Energy-Related CO2 Emissions, Data Tables By State
"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

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