

Energy as the Bedrock of West Virginia's Economic Development

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Overview

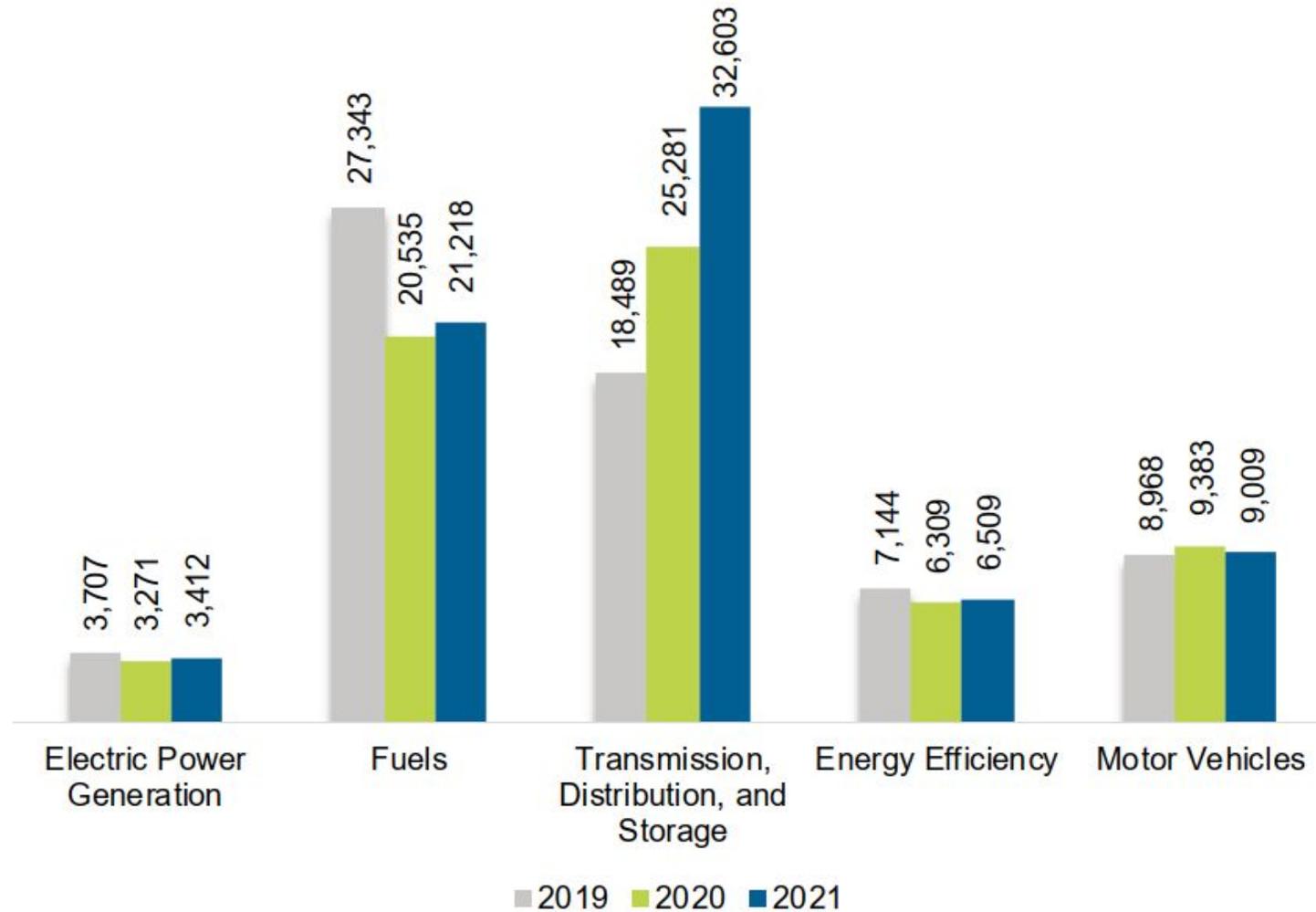
The energy industry impacts West Virginia's economy in three ways.

1 Directly, as a West Virginia producer and employer

2 As a cost driver for the state's economy, influencing its economic competitiveness

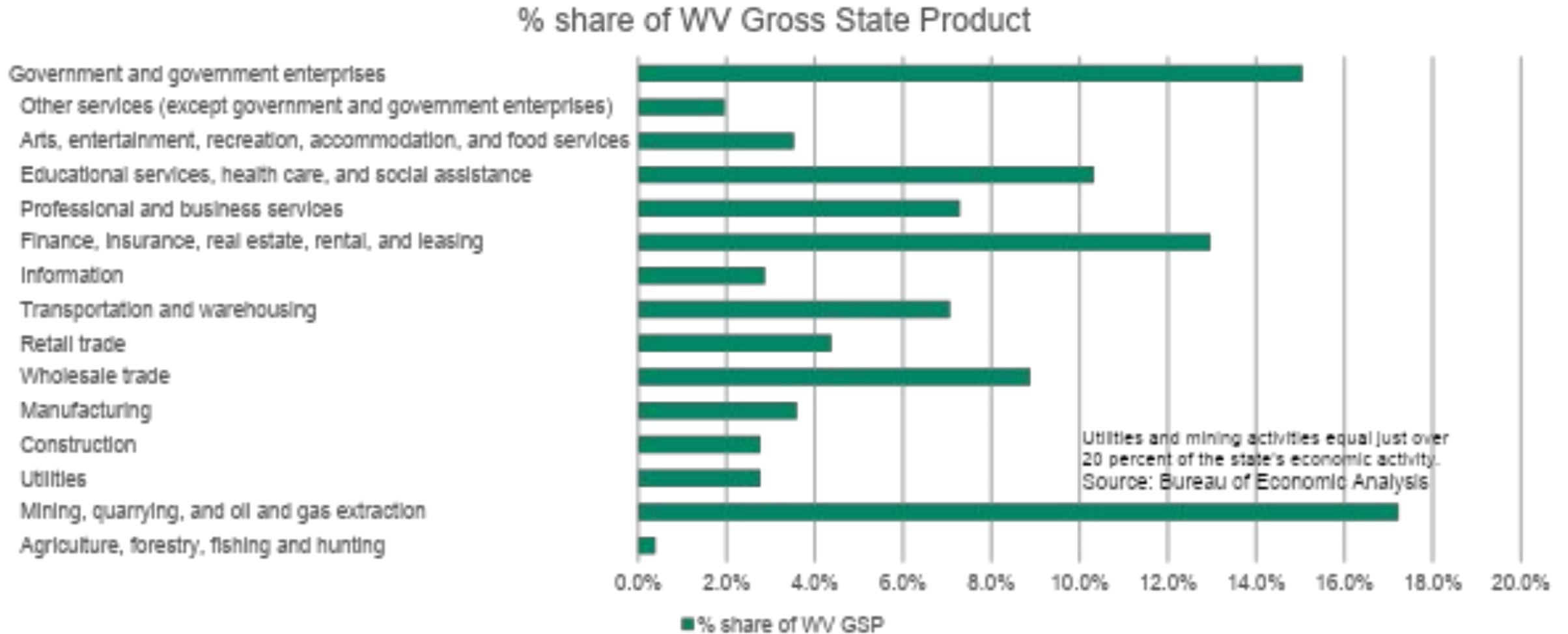
3 As a critical infrastructure and diversifying industry that supports business relocation and expansion here

Energy Directly Accounts for About 10 Percent of West Virginia's Employment



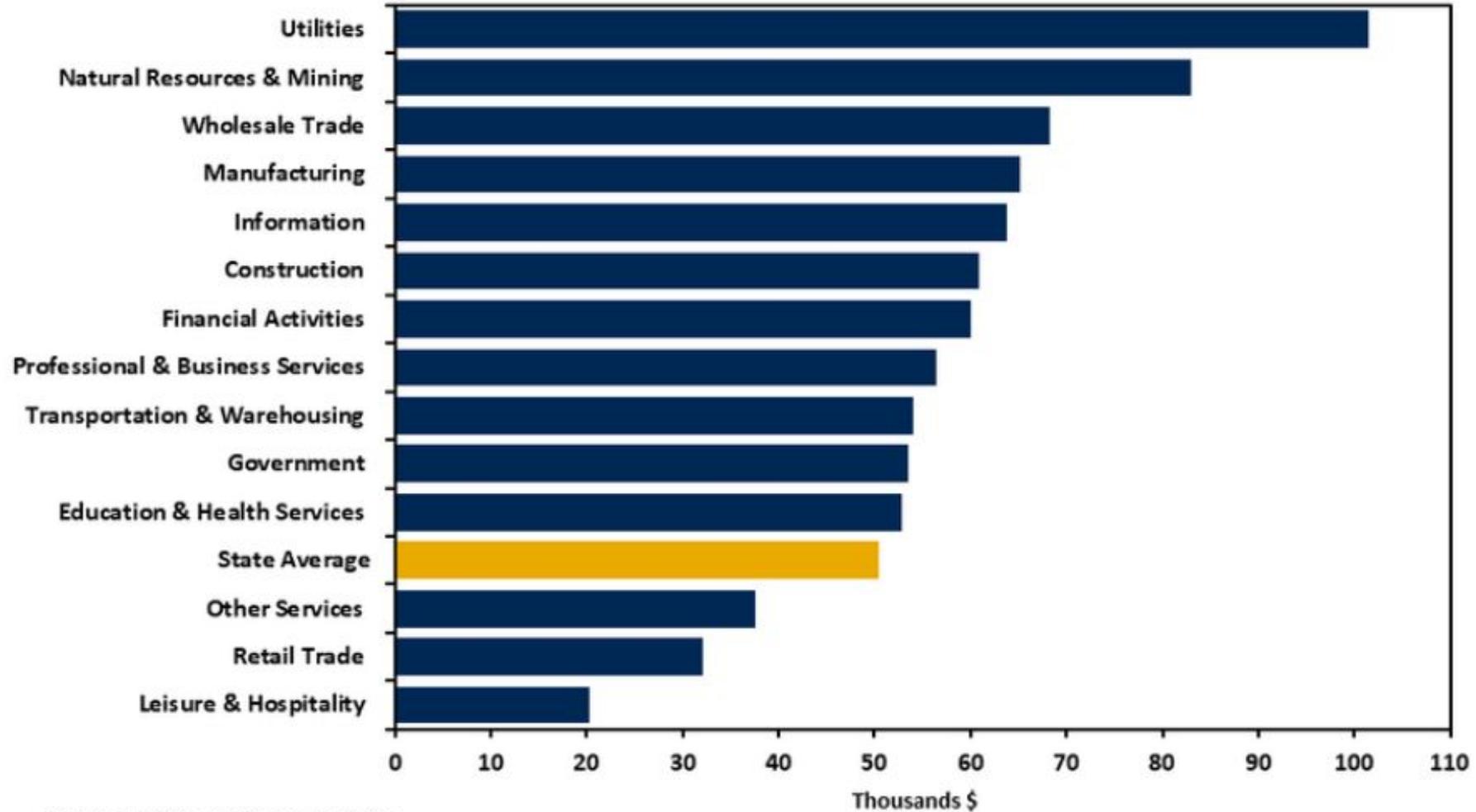
Source: US Energy Administration, Bureau of Labor Statistics

Just Over 20% of West Virginia's Economic Activity is Energy-Related



Source: Bureau of Economic Analysis, AECOM

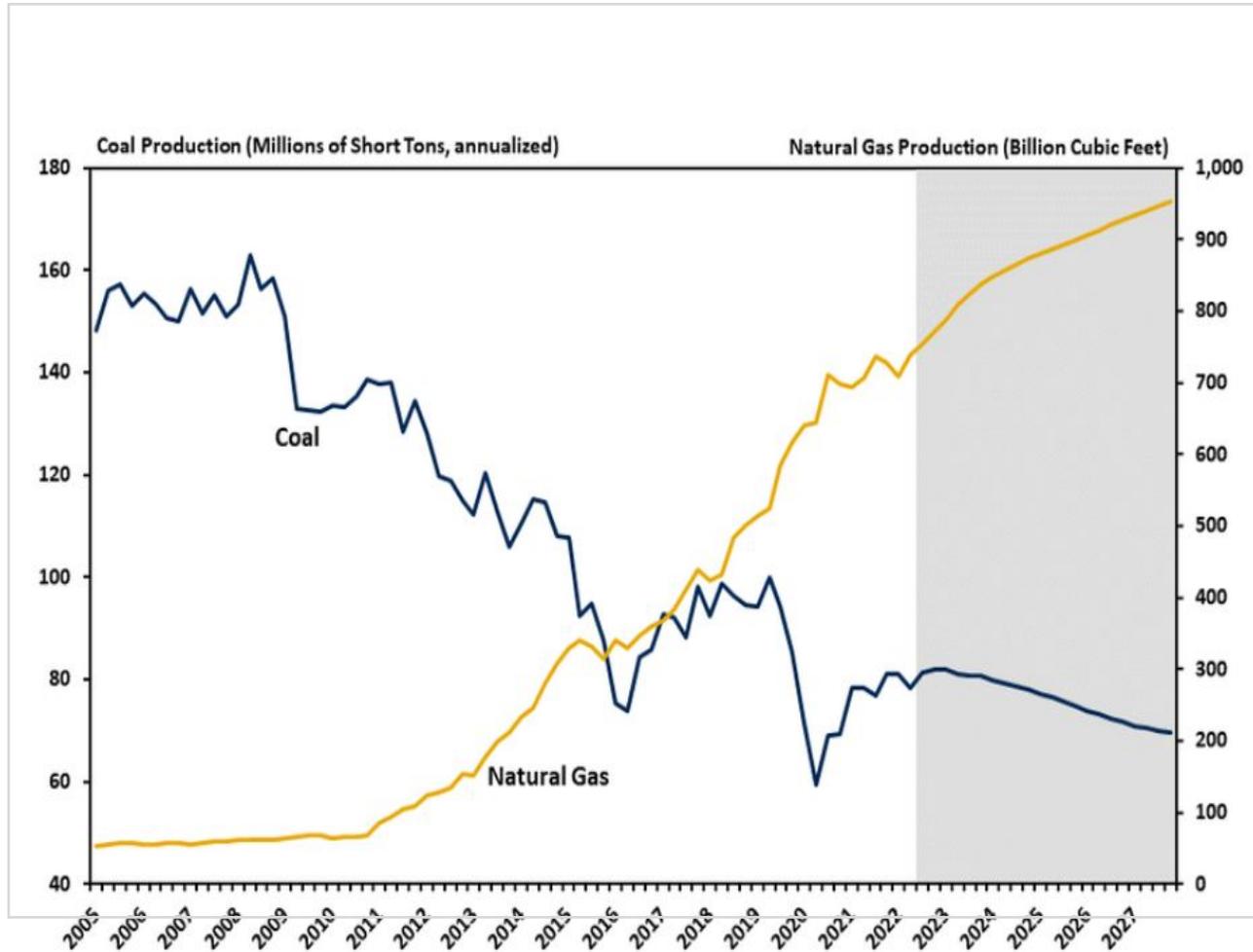
The Industry Pays Top Salaries in the State



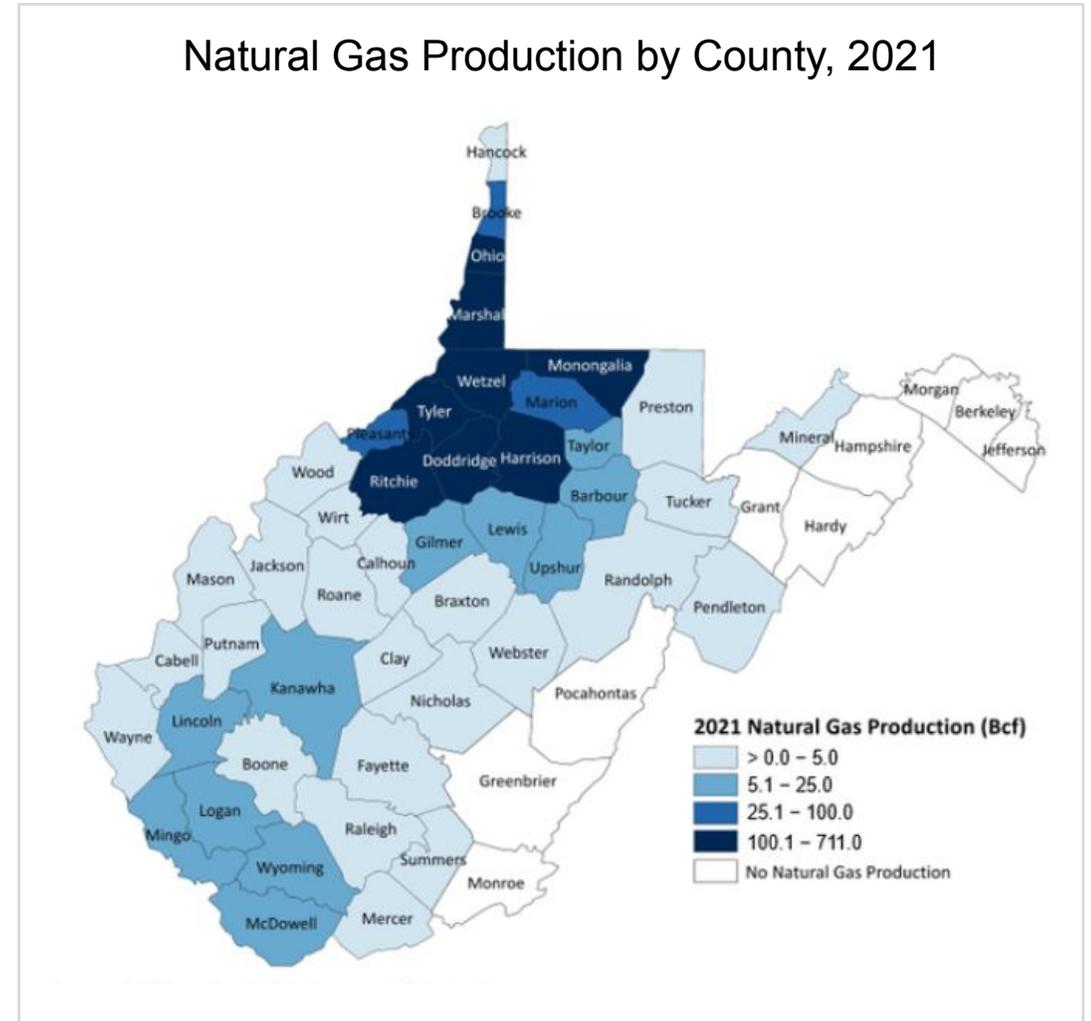
Source: US Bureau of Labor Statistics

Average Annual Salary, 2021
West Virginia Outlook, 2023-2027, WVU

West Virginia' Energy Industry Composition is Changing

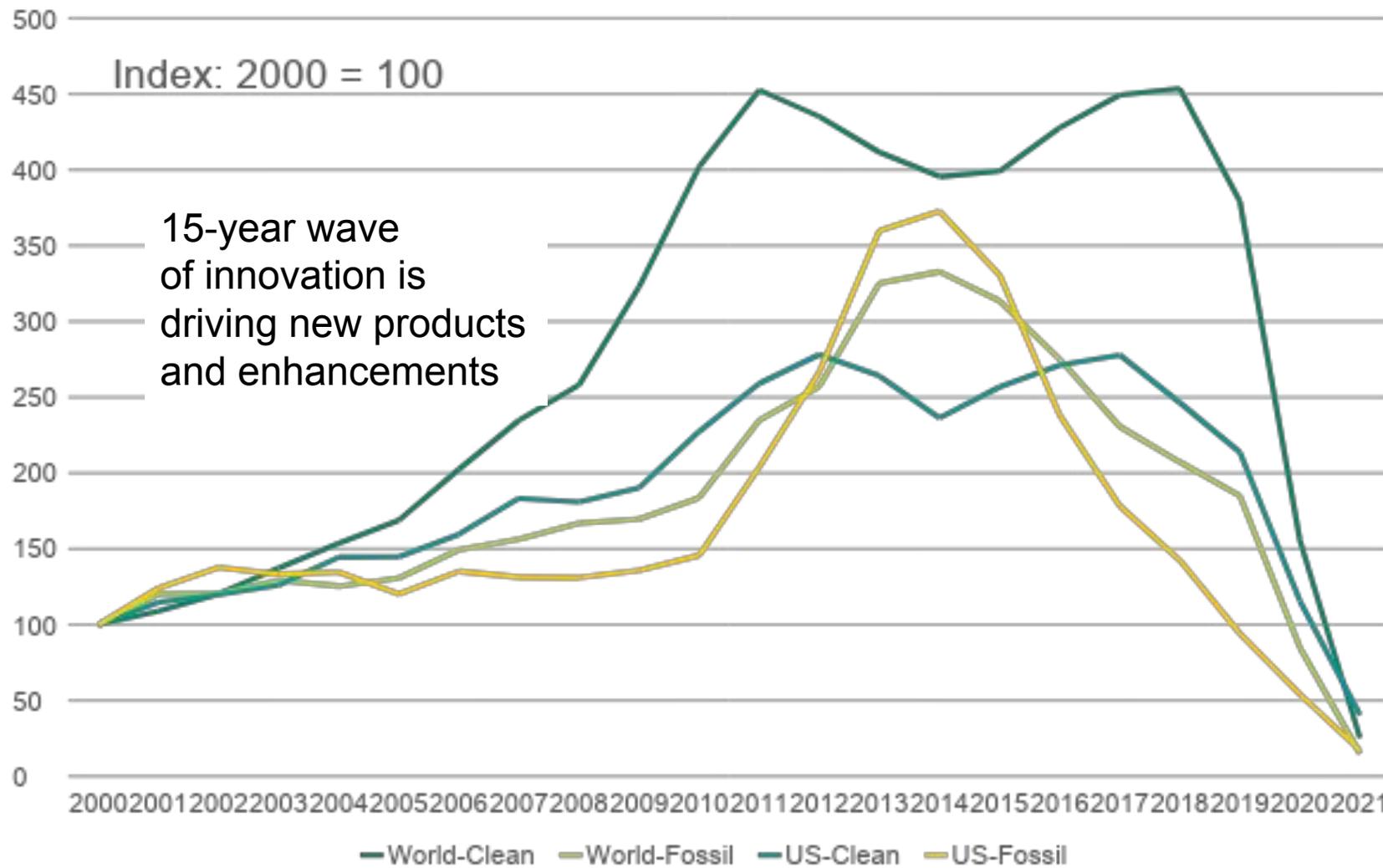


West Virginia Outlook, 2023-2027, WVU



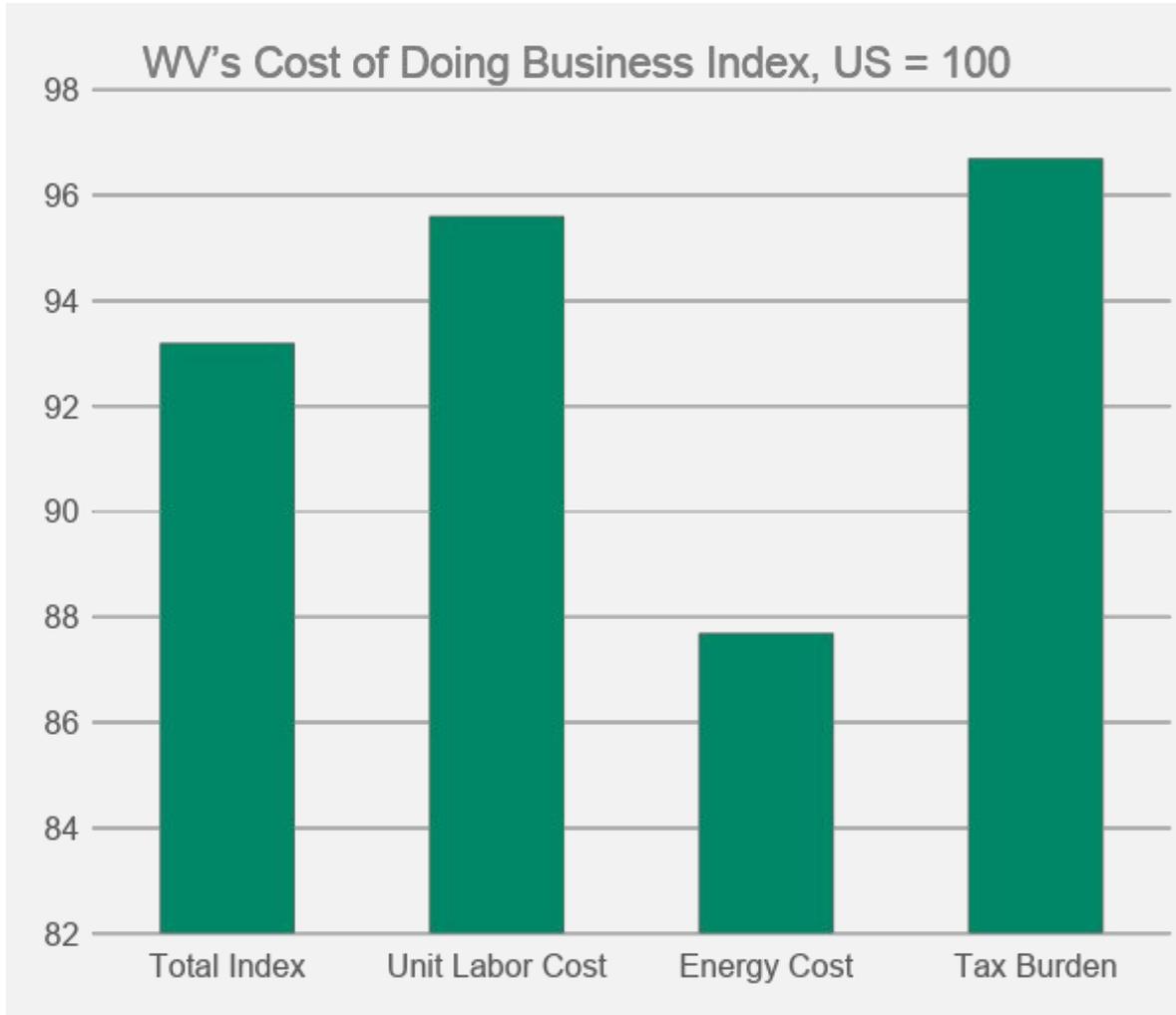
West Virginia Outlook, 2023-2027, WVU

A Large Wave of Energy Patents Are Moving to Commercial Use

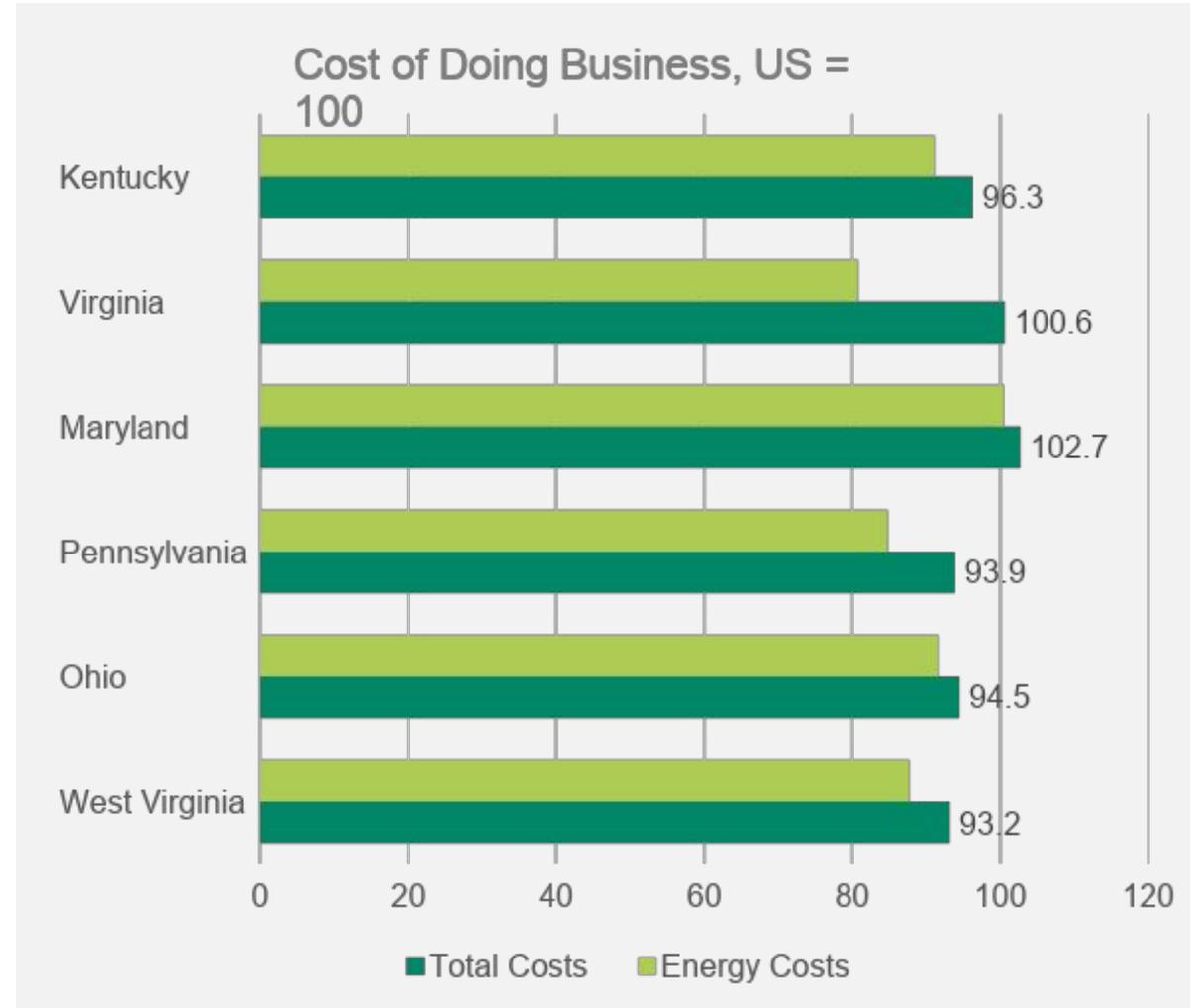


Source: International Energy Agency, Energy Technology Patents Data Explorer

Energy Costs Contribute to West Virginia's Competitive Business Costs



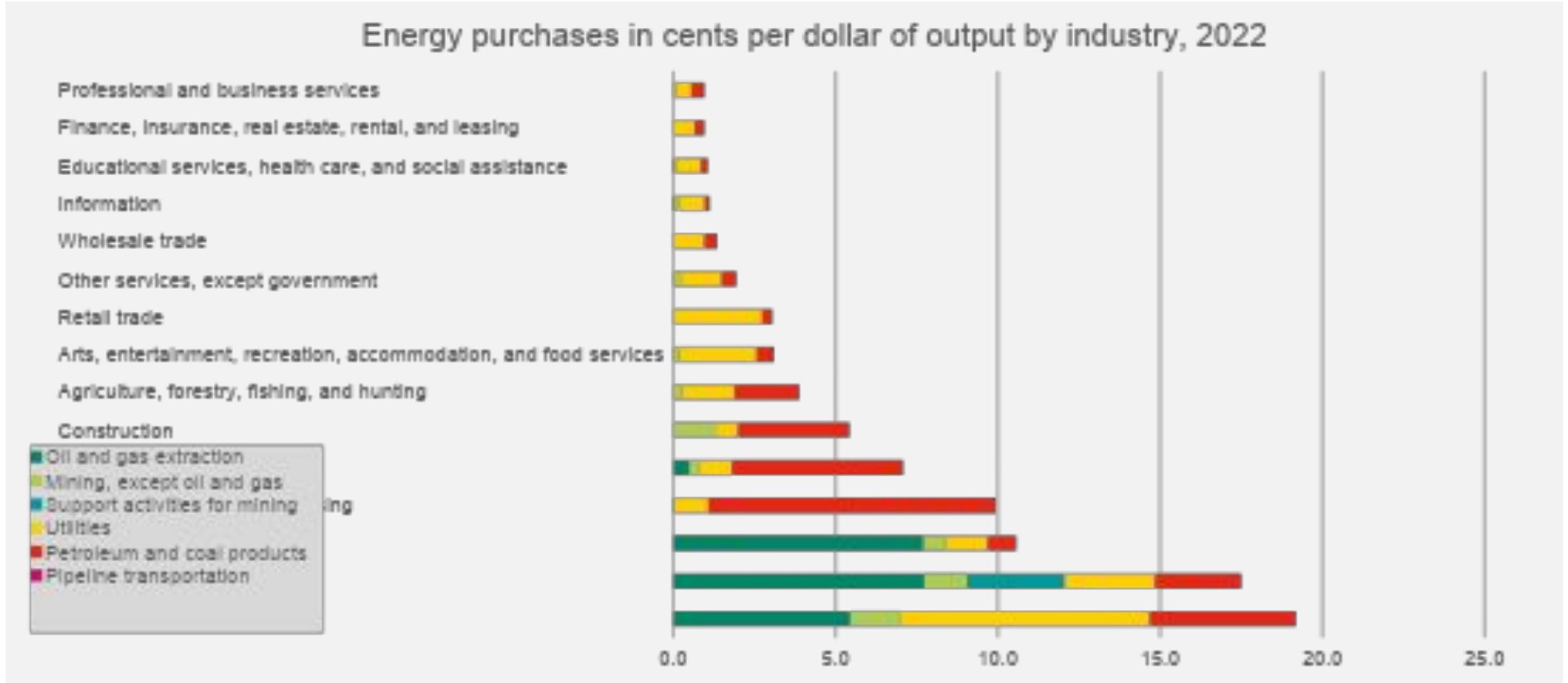
Source: Moody's Analytics



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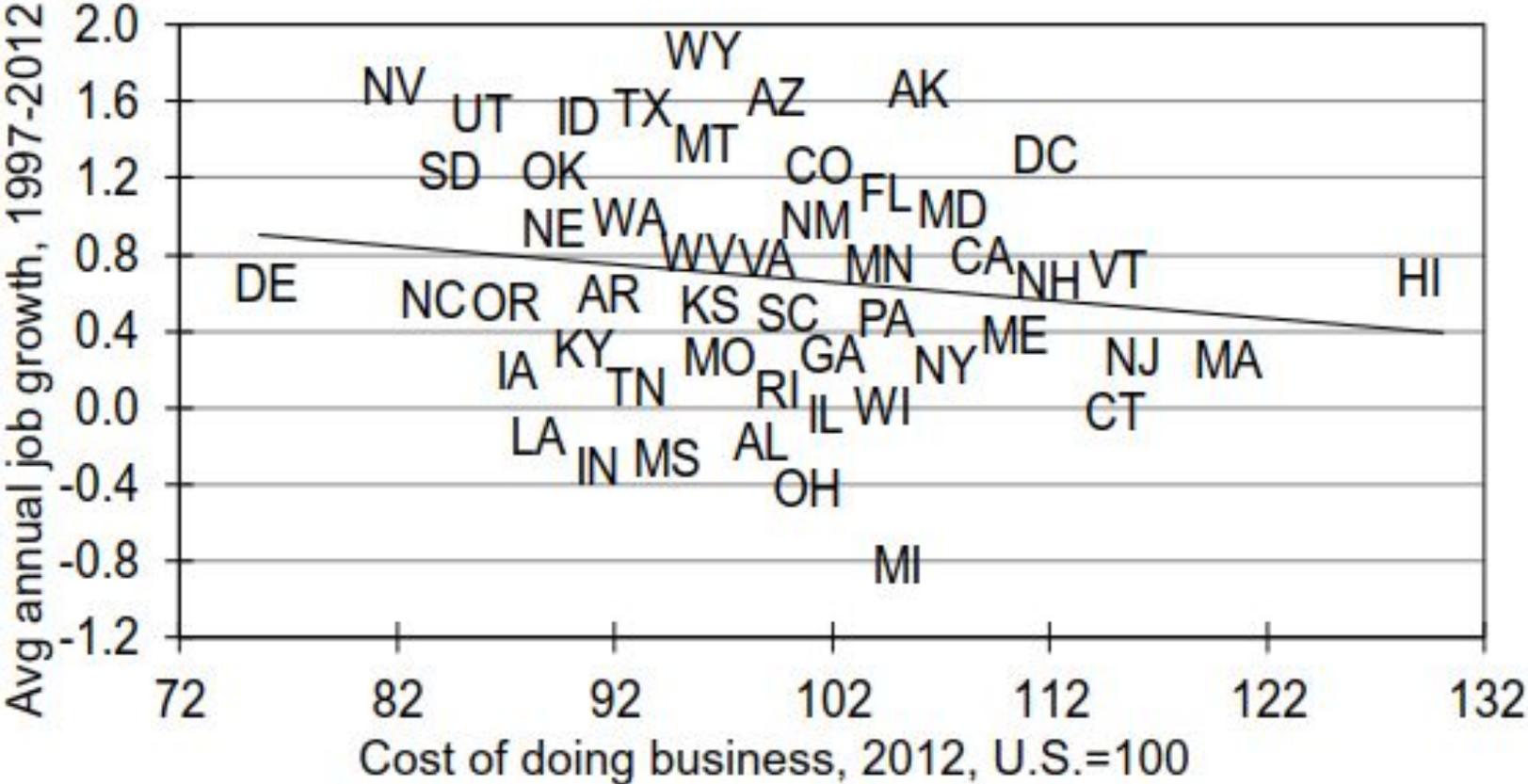
Use of Energy Varies by Industry, Influencing Sensitivity to Business Costs

Energy purchases in cents per dollar of output by industry, 2022



Source: Bureau of Economic Analysis, AECOM

Business Costs Influence Economic Growth



Sources: BLS, Moody's Analytics

Cost Structure Influences Firm Site Selection Decisions

Combined Ratings: Corporate Survey

Ranked Selection Factors	2022
1. Labor costs	89.1
2. Quality of life	87.1
3. Availability of skilled labor	85.8
4. Energy availability	82.3
5. Construction costs	81.2
6. ICT/Broadband	80.7
7. Corporate tax rate	79.7
8. Energy costs	79.4
9. Environmental regulations	79.0
10. Available land	78.1

Note and Source: All figures are percentages and are the total of the “very important” and “important” ratings of the Area Development Corporate Survey and are rounded to the nearest tenth of a percent.

Recent Expansions and Relocations

Berkshire Hathaway—renewable microgrid to power an industrial park

Form Energy—new battery storage technology

Fidelis New Energy—hydrogen fuel/data centers

Toyota’s production facility in Putnam County—expanding production of components for electric motors

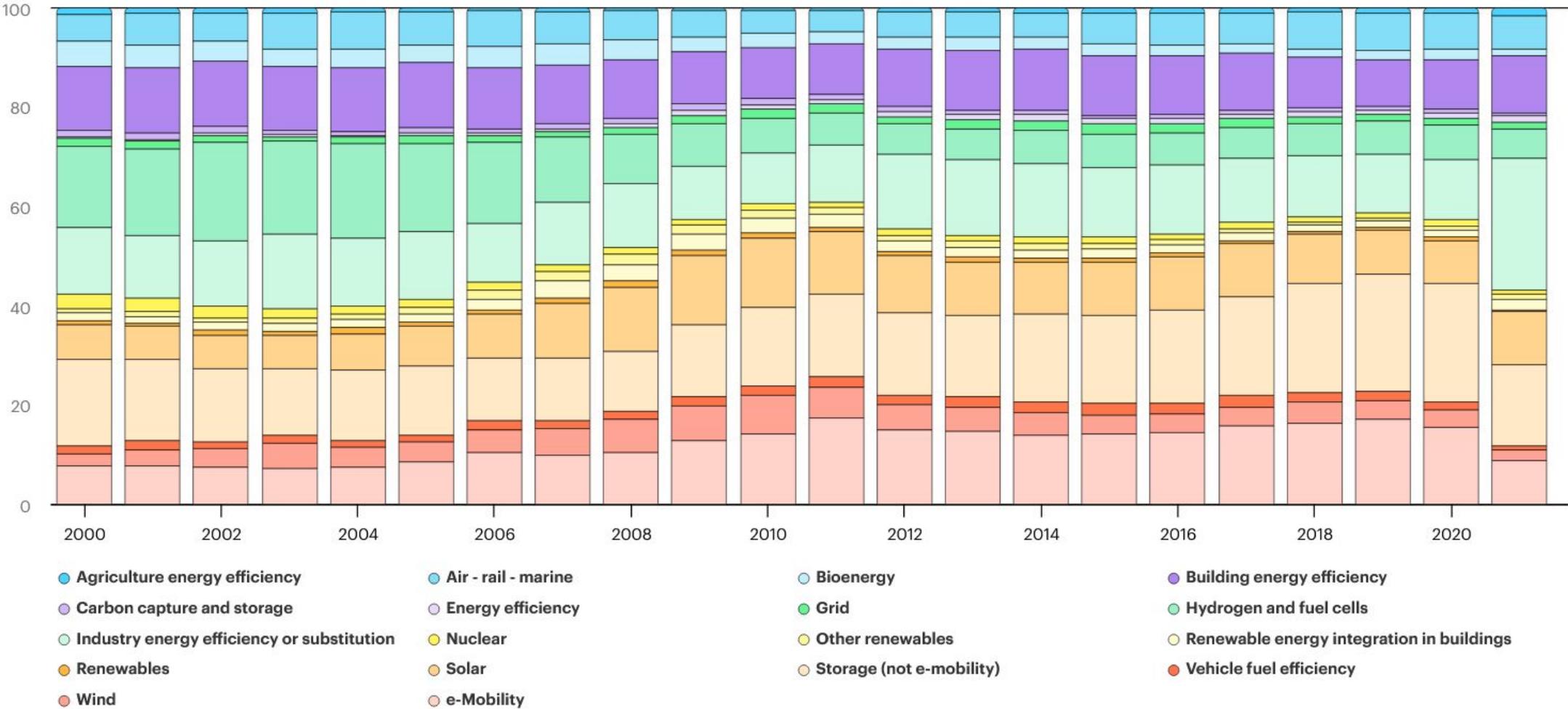
Sparkz Gigafactory—electric batteries

Steel of WV—supplying materials to construct new ship for Atlantic Coast offshore wind industry

Source: Company press releases

Thank You!

Innovation Is Driving An Expanding Mix of Technologies in the Market



Source: International Energy Agency, Energy Technology Patents Data Explorer