

  
**CONSUMER  
ENERGY  
ALLIANCE**  
THE VOICE OF THE ENERGY CONSUMER



# Energy: Behind the Headlines

**Gas and Oil Association of West Virginia  
2025 Winter Meeting**



Consumer Energy Alliance was formed in 2006 on the premise that it would **focus on improving the public's understanding of energy.**

CEA is a **leading advocacy organization for energy education and sound energy policies.**

**550,000+**

**Energy Advocates**

Cross Section of the  
Economy

Farmers,  
Manufacturers,  
Labor, Transportation,  
Industrial/Commercial,  
Local Chambers,  
Small Businesses,  
Families

**375+**

**Affiliate Members**

Board of Directors

GE  
Nucor Steel  
VA Manufacturers Assn  
Caterpillar  
FL Hispanic Chamber  
Rice Univ Baker Institute  
Wortham Insurance  
ATA  
NACS

**Chapters**

**National & Local**

Regional Chapters

Alaska  
Gulf Coast  
Northeast  
Mid-Atlantic  
Mid-Continent  
Midwest  
Rockies  
Southeast  
Southwest

**OPEN  
THE  
GULF**



**ADVANCING NONPARTISAN ENERGY POLICY  
BY ADVOCATING FOR AFFORDABLE, RELIABLE, AND CLEANER  
ENERGY SOLUTIONS FOR ALL AMERICANS**



- The American Energy Consumer
- Dark Age Diplomacy
- LNG
- Power Crunch
- Questions



**THE HILL**

**Credit Card Delinquencies  
Surge, Almost 1 in 5  
Users Maxed-Out**

**MarketWatch**

**Consumer Confidence  
Drops to 21-Month Low  
Due to Worries About Food  
and Gas Prices**

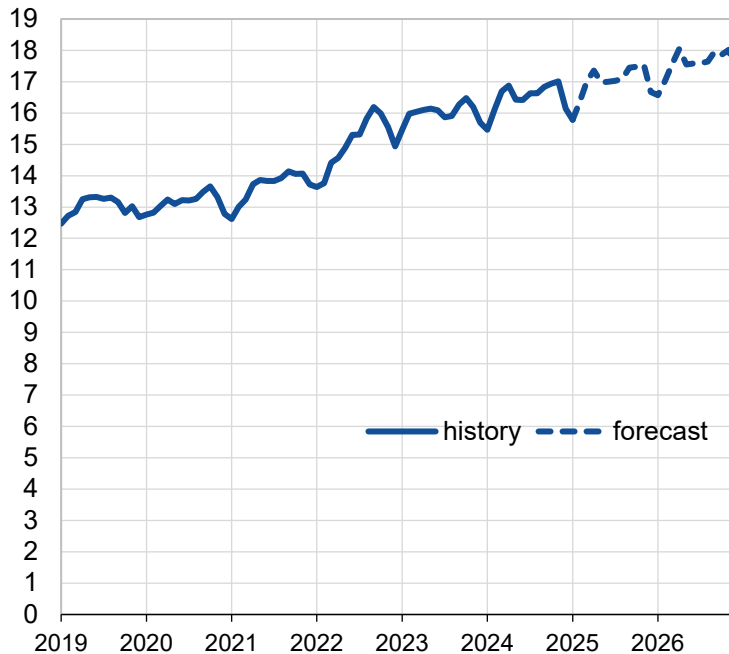
THE WALL STREET JOURNAL.

**WSJ**

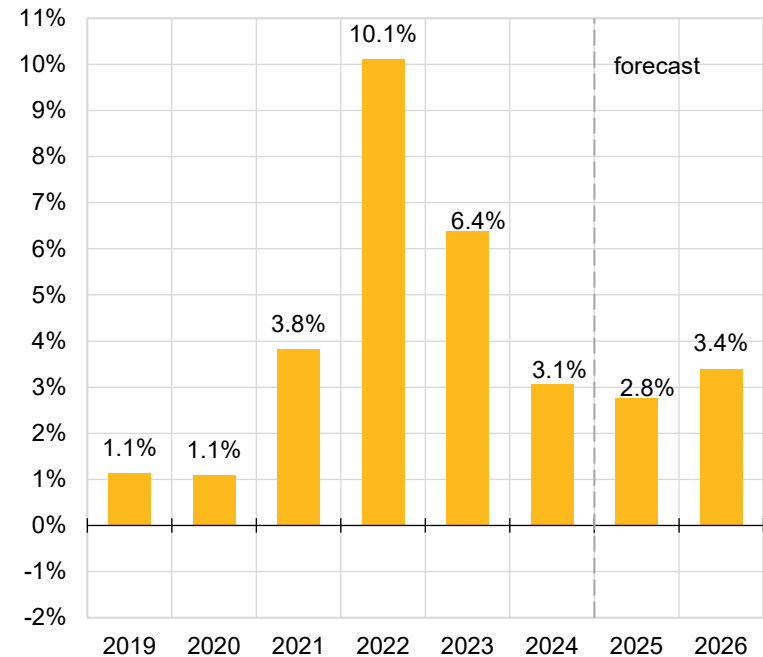
**Inflation Puts More  
Retirees at Risk of Running  
Out of Money**



**U.S. monthly nominal residential electricity price**  
cents per kilowatthour



**Annual growth in nominal residential electricity prices**  
percent



Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, February 2025



- Light-Duty / Heavy-Duty Vehicle Rules
- Waters of the United States
- National Environmental Policy Act Rollback
- GHG Guidance and Regulations
- SEC Climate Disclosure Rule
- National Ambient Air Quality Standards
- Clean Power Plan 2.0
- LNG Export “Pause”
- Federal Lease Sale Delays and Cancellations

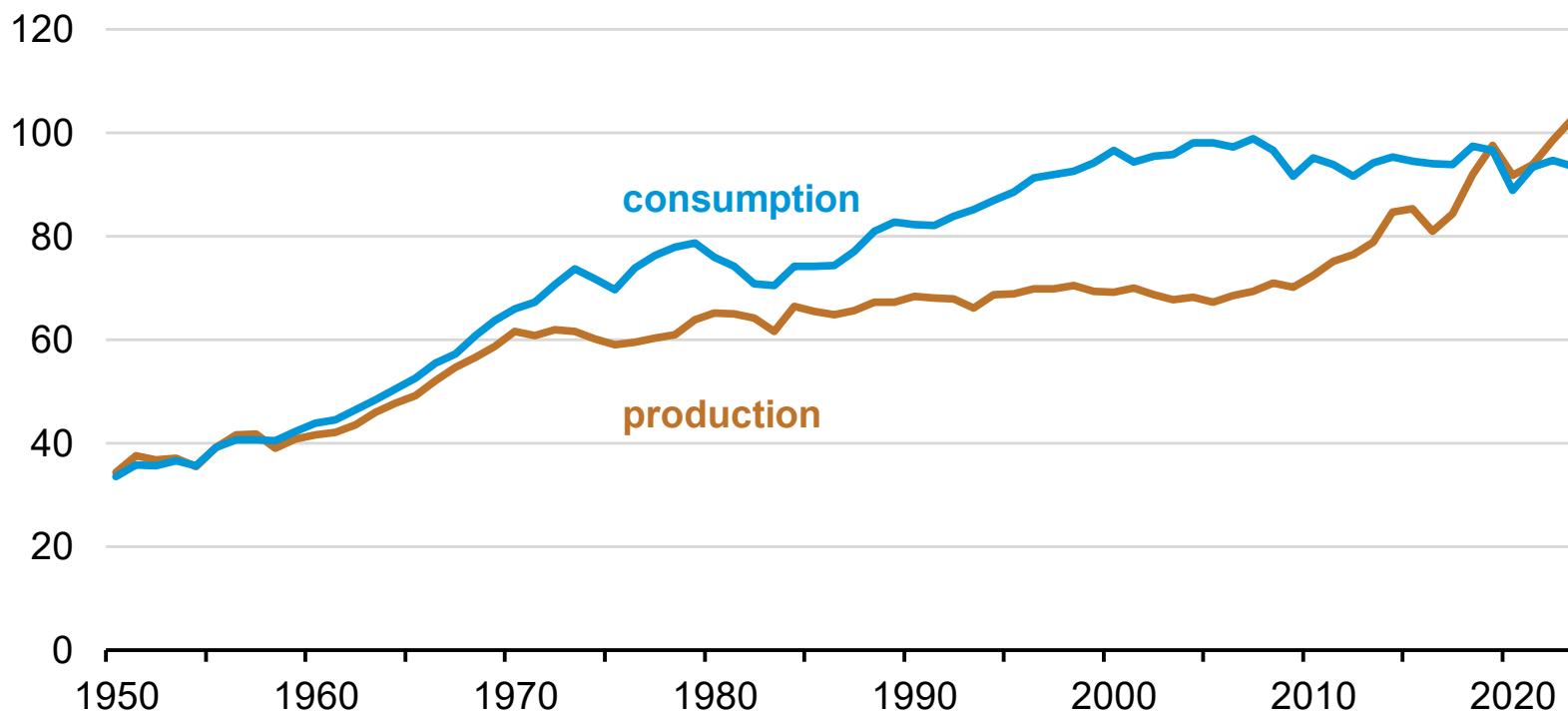
<b>Trends in Rulemaking Volume Across Fall Unified Agendas</b>										
<i>Year</i>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Active Items	2321	224	209	1977	239	260	263	2678	2651	2524
Long-Term Items	465	499	558	762	655	604	586	624	596	644
<u>Total Prospective Items</u>	<u>2786</u>	<u>274</u>	<u>265</u>	<u>2739</u>	<u>305</u>	<u>320</u>	<u>322</u>	<u>3302</u>	<u>3247</u>	<u>3168</u>
“Major” Active Items	123	149	112	70	106	116	182	200	236	244
“Major” Long-Term Items	36	30	34	42	31	32	30	52	32	41
<u>Total “Major” Items</u>	<u>159</u>	<u>179</u>	<u>146</u>	<u>112</u>	<u>137</u>	<u>148</u>	<u>212</u>	<u>252</u>	<u>268</u>	<u>285</u>
“Significant” Active Items	943	861	756	606	863	985	989	1033	1079	1042
“Significant” Long-Term Items	188	182	221	252	207	216	207	285	259	289
<u>Total “Significant” Items</u>	<u>1131</u>	<u>104</u>	<u>977</u>	<u>858</u>	<u>107</u>	<u>120</u>	<u>119</u>	<u>1318</u>	<u>1338</u>	<u>1331</u>



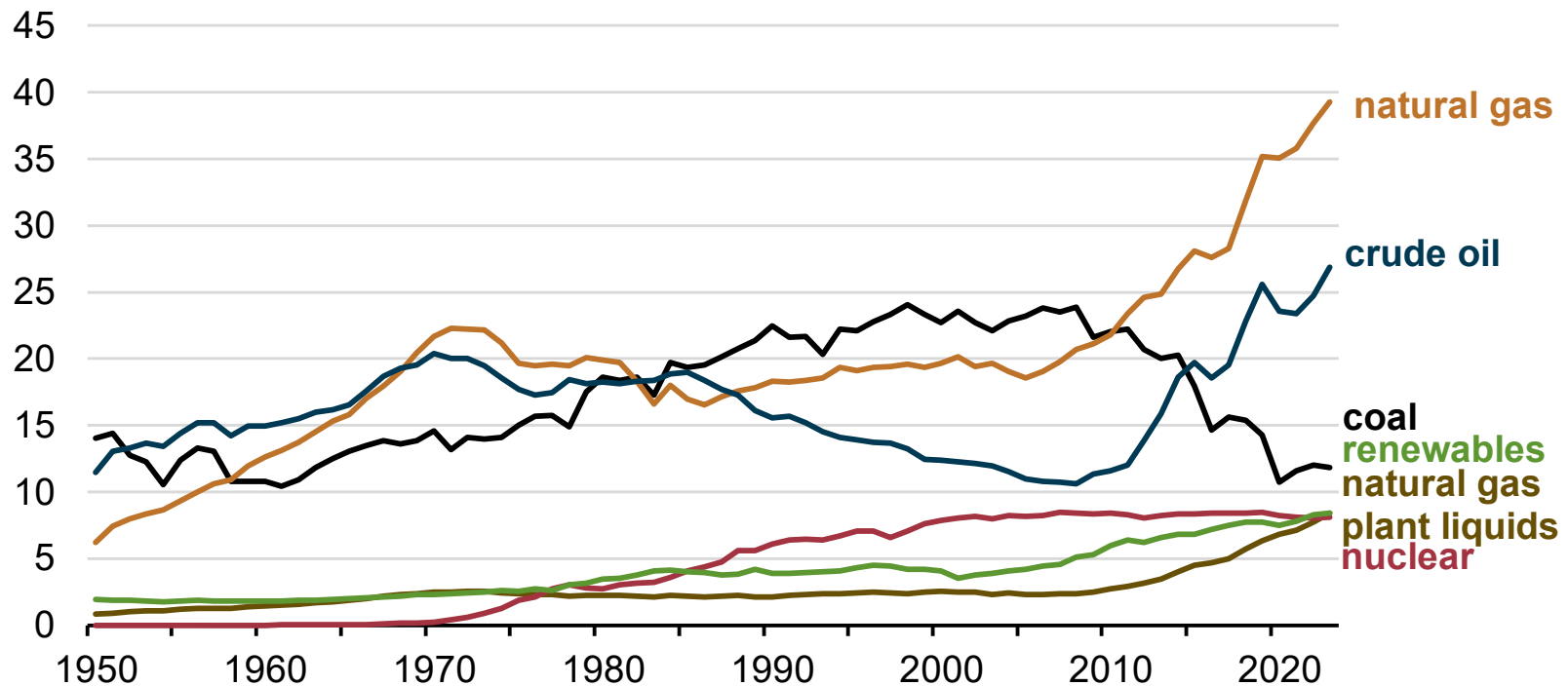


U.S. primary energy production and consumption (1950–2023)

quadrillion British thermal units



U.S. primary energy production by source (1950–2023)  
quadrillion British thermal units





**AP**



**Trump Creates Council for  
'Energy Dominance,'  
Boosts Natural Gas Exports  
and Offshore Drilling**

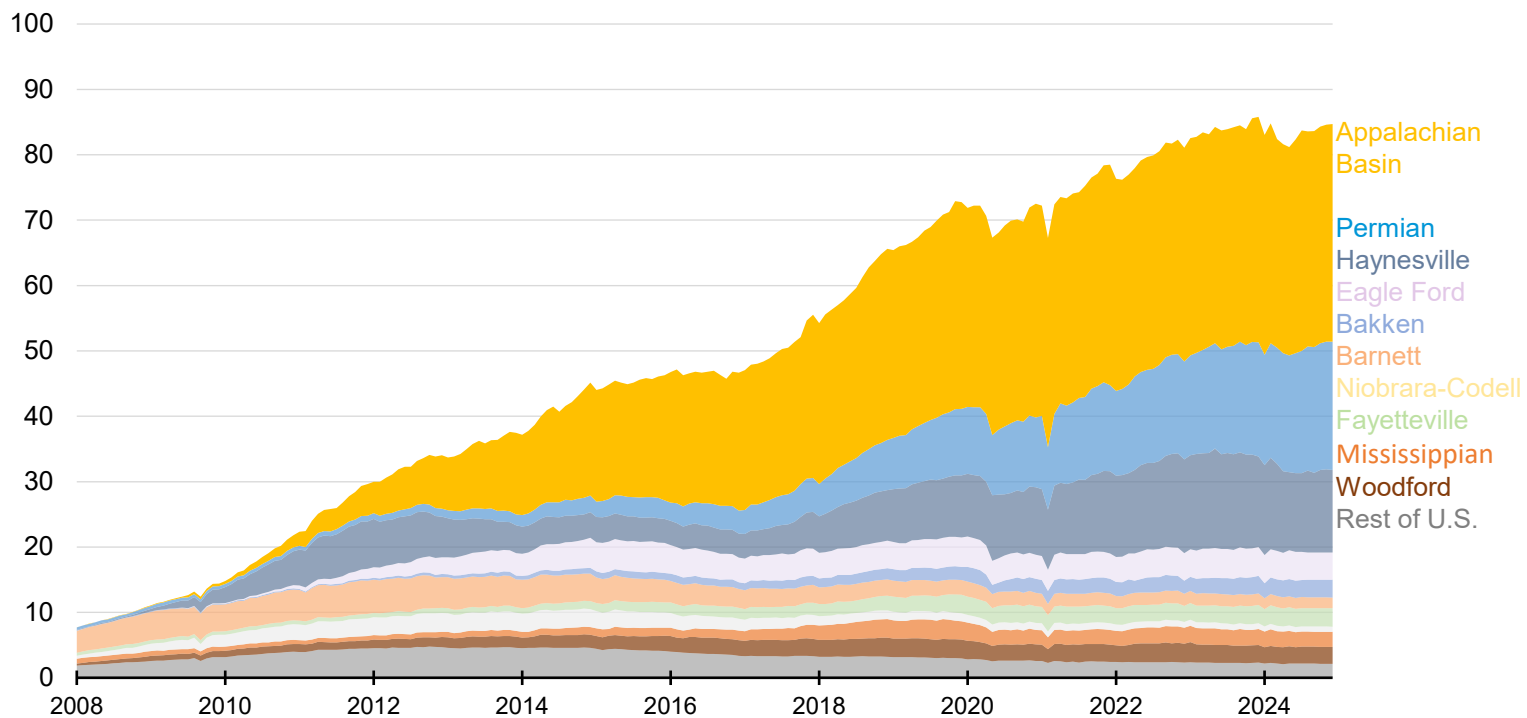
**FT** FINANCIAL  
TIMES

**Modi-Trump Energy  
Pledge Signals Bonanza for  
US Gas Exporters**

**POLITICO**

**Latvia: Let's Buy More  
US LNG To Hurt Russia,  
Placate Trump**

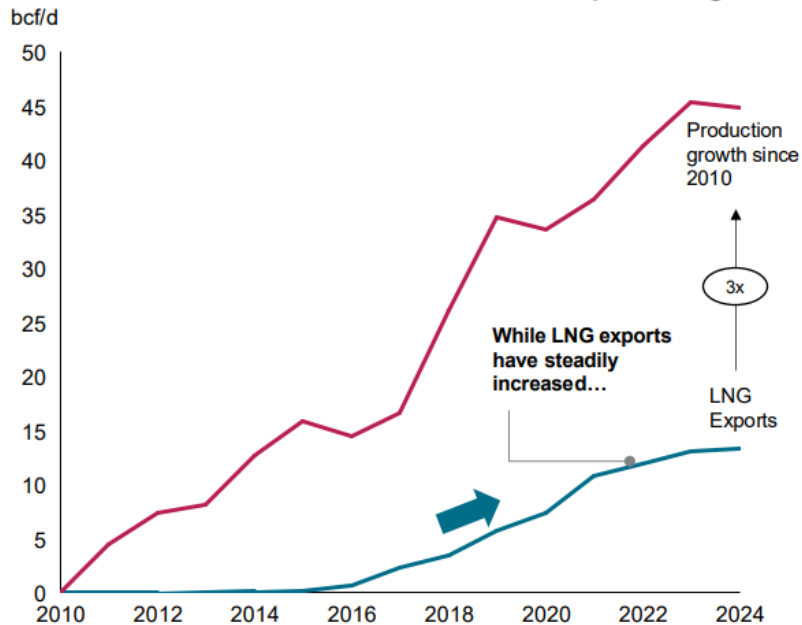
**Monthly U.S. dry shale natural gas production by formation**  
billion cubic feet per day



Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, January 2025

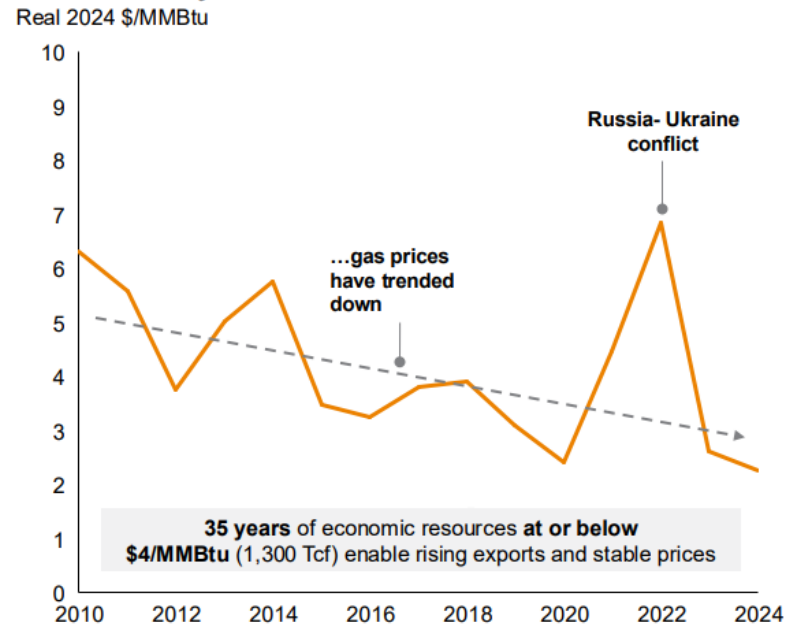


### US Lower 48 Gas Production Growth vs LNG Export Feedgas



Source: S&P Global Commodity Insights.

### Historical Henry Hub Gas Prices





# **POWER**

**PJM Facing Capacity  
Shortage as Early as  
2026/2027 Delivery Year**



**THE BALTIMORE BANNER**

**Local Power Grid  
Operator's Failure  
To Plan Is Costing  
Marylanders Millions**

# **E&E NEWS**

**Shapiro Threatens To Pull  
Pennsylvania Out of PJM  
Over Electricity Prices**

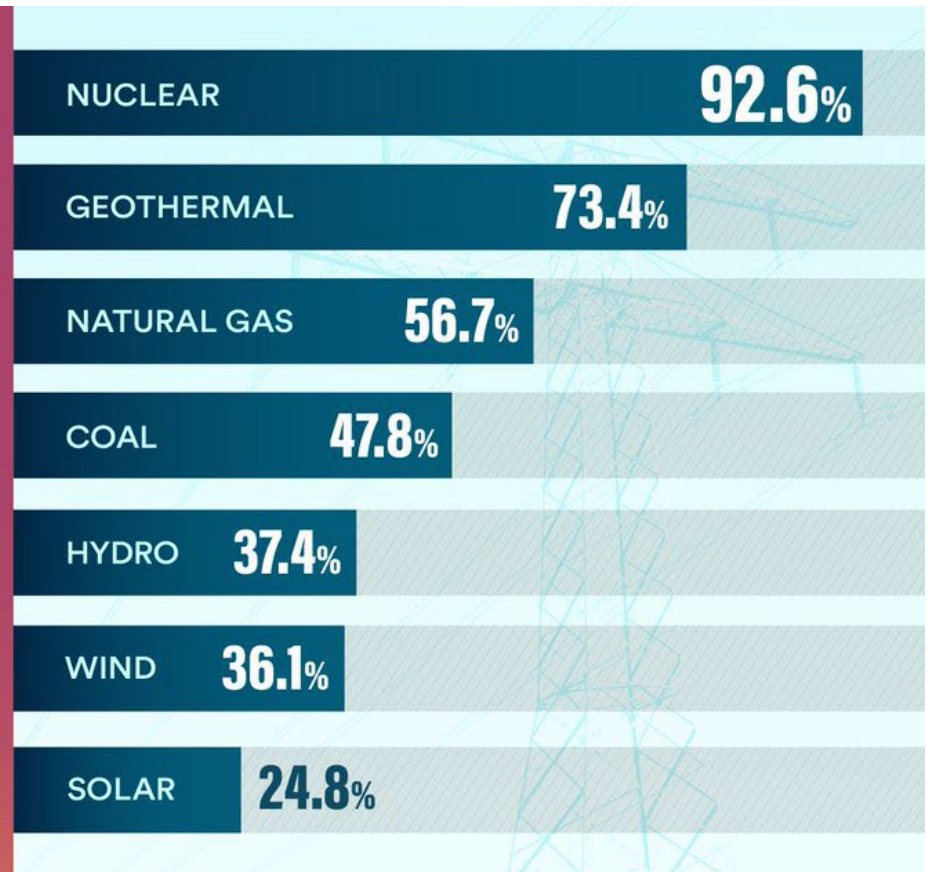


## Capacity Factor by Energy Source, 2022

Source: Energy Information Administration

*Capacity factor* measures a power plant's actual generation compared to the maximum amount it could generate in a given period without any interruption.

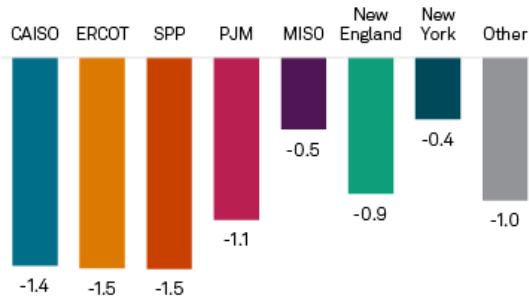
U.S. DEPARTMENT OF  
**ENERGY** | Office of  
NUCLEAR ENERGY | [energy.gov/ne](https://energy.gov/ne)



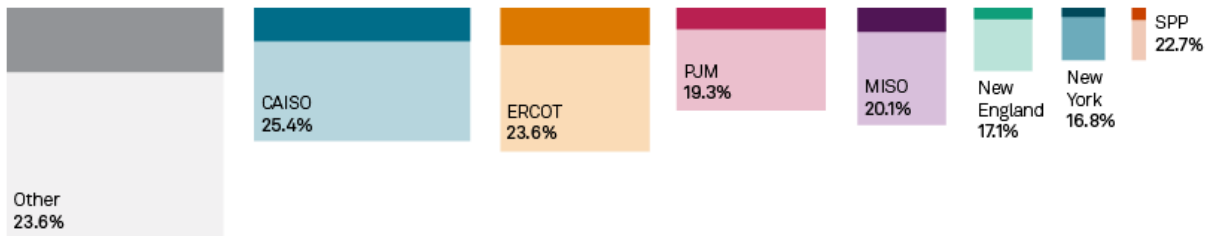
## US solar by ISO, 2023

As of Nov. 12, 2024.  
 Based on projects in operation in 2023 and 2022; annual capacity factor data from the US EIA for full-year 2024 is expected to be released in fall 2025. Capacity factors are averages weighted by the capacity of each included project.  
 Sources: S&P Global Market Intelligence; US Energy Information Administration.  
 © 2024 S&P Global.

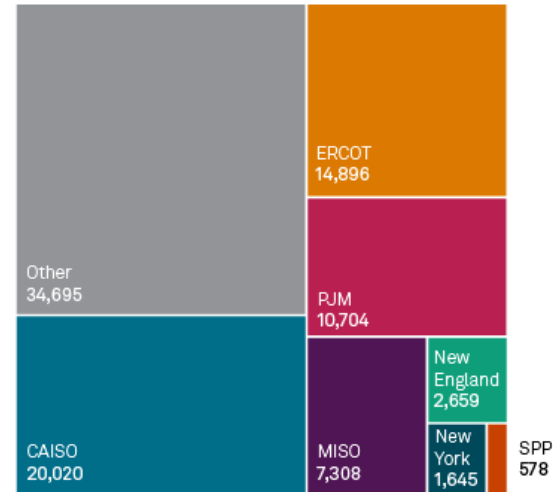
### Capacity factor 2022–2023 percentage point change



### Capacity factor (%)



## Operating capacity (MW)

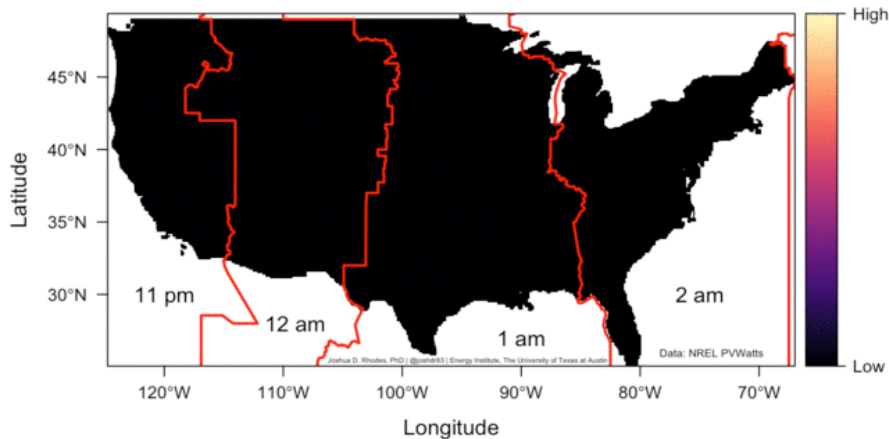




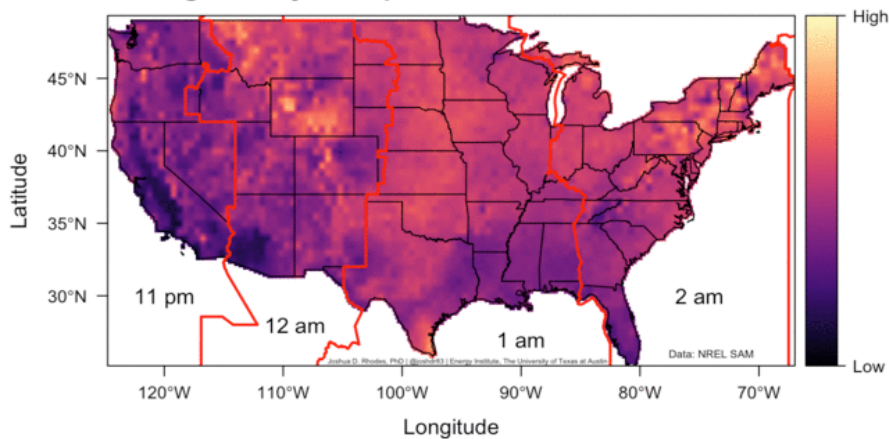


# POWER CRUNCH: INTERMITTENCY & LIMITATIONS

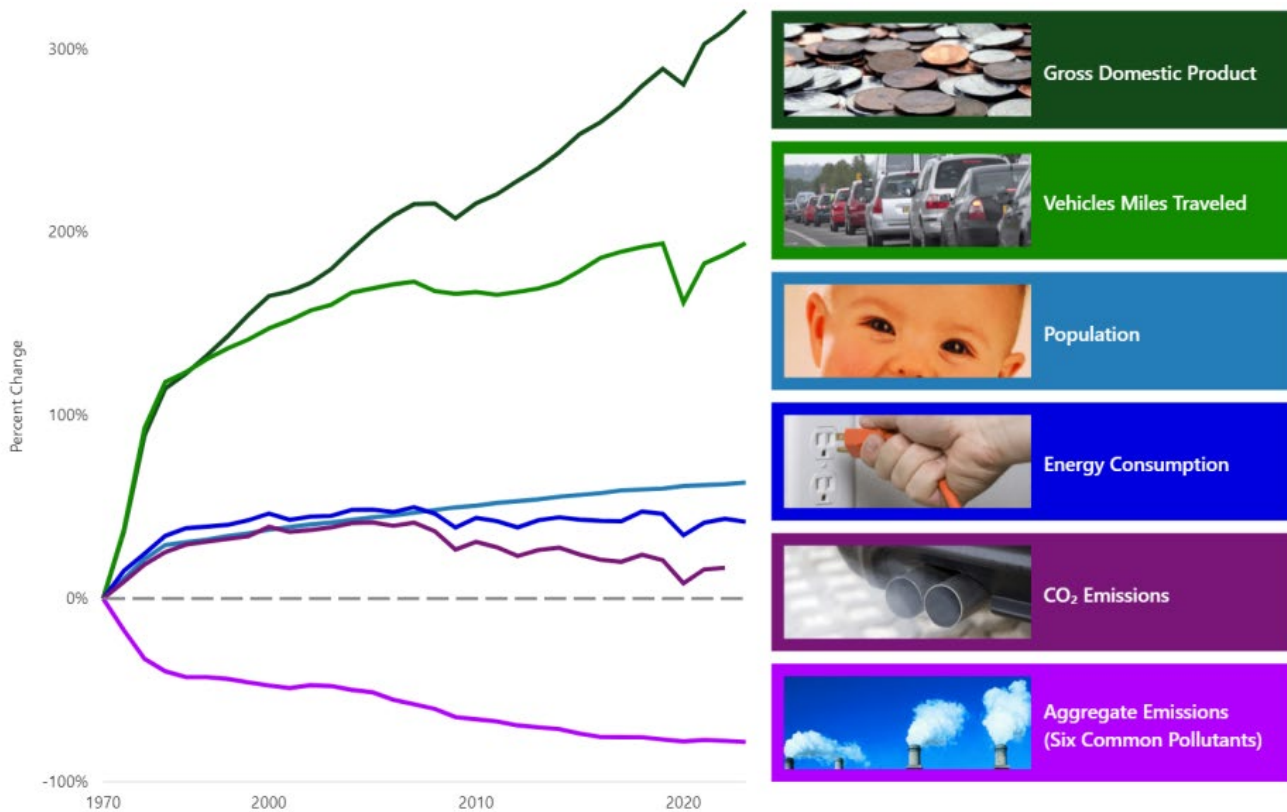
Average hourly solar power resource across the U.S.



Average hourly wind power resource across the U.S.



Comparison of Growth Areas and Declining Emissions  
1970-2023





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**Consumer Energy Alliance Midwest**

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