

Decarbonizing America's Energy System: The Status and Outlook for Market-Oriented, Large-Scale Solutions

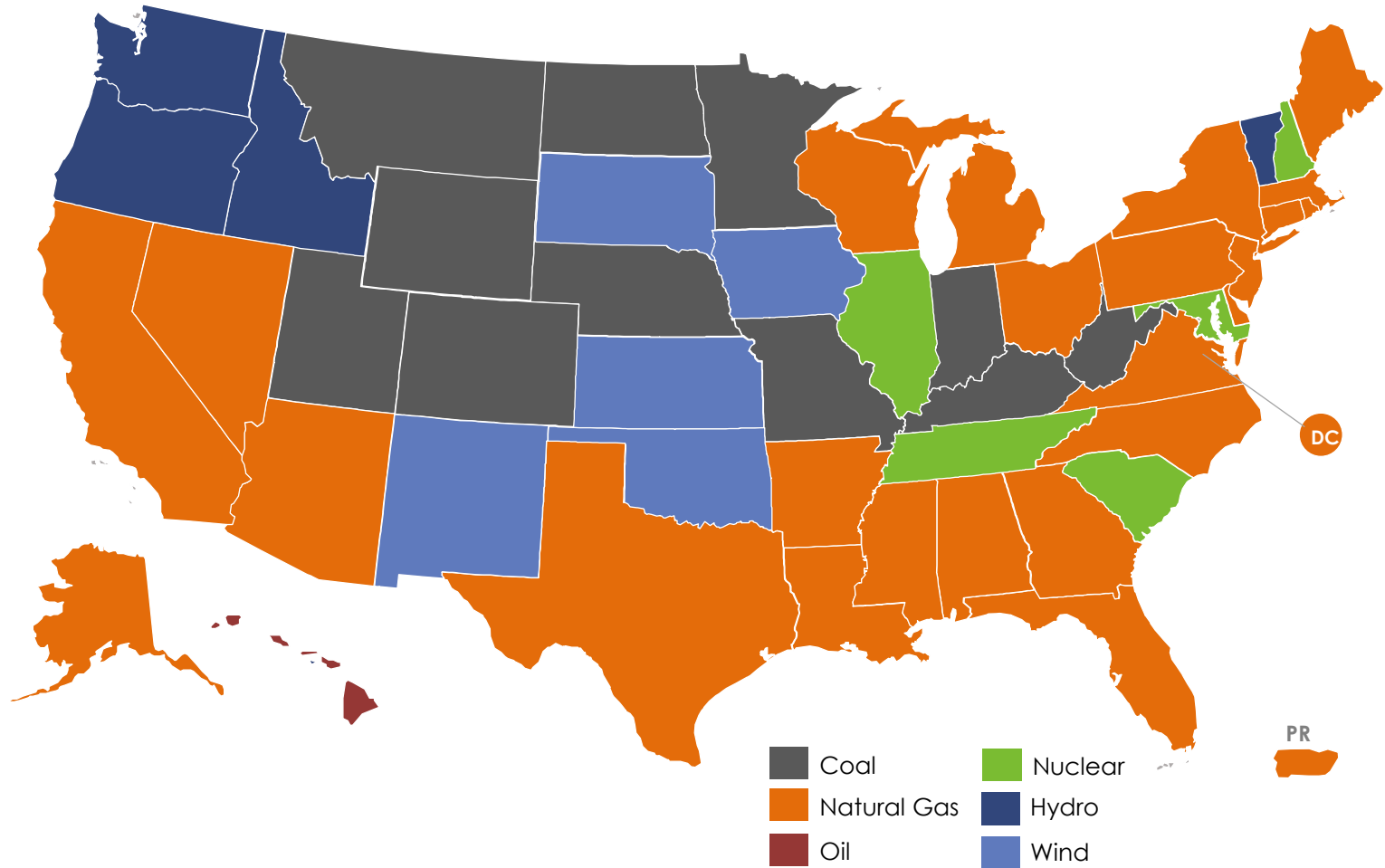
NASEO Annual Meeting
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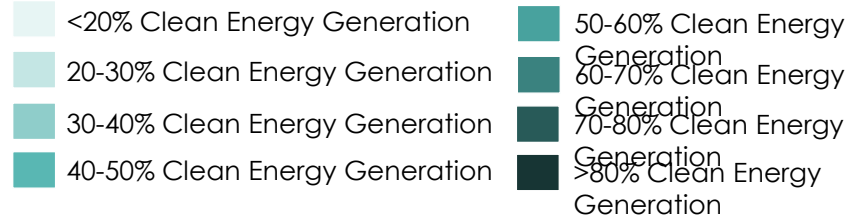
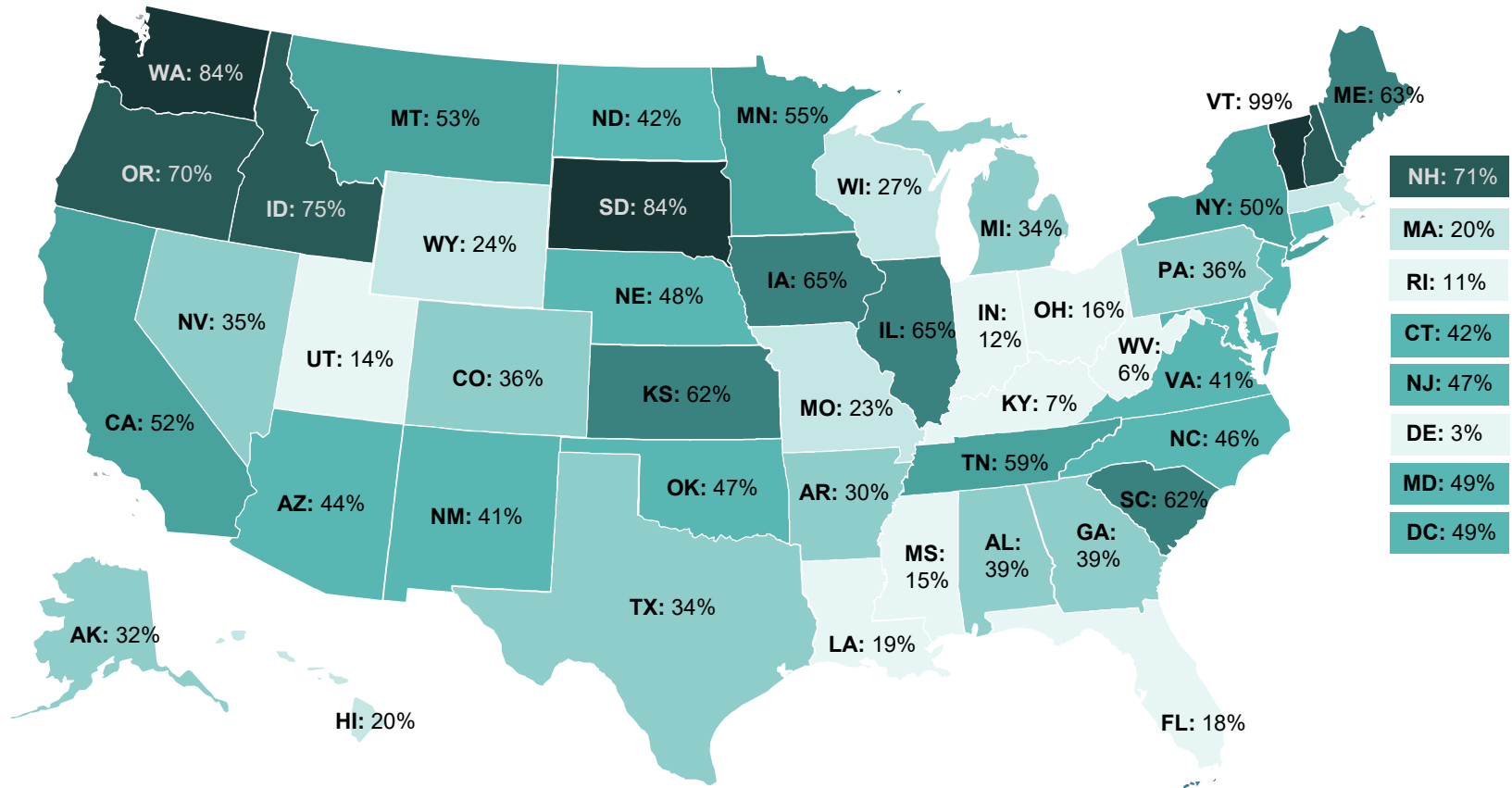
About NCCETC & DSIRE

- **NC Clean Energy Technology Center**
- **DSIRE:** Database of State Incentives for Renewables & Efficiency (...and storage, EVs, EV charging)
 - Visit www.dsireusa.org
- **50 States Reports** – Solar, Grid Modernization, EVs, & Power Decarbonization
 - Exec summaries available at www.dsireinsight.com/publications
 - State energy office staff are eligible for complimentary copies – email dsire-admin@ncsu.edu

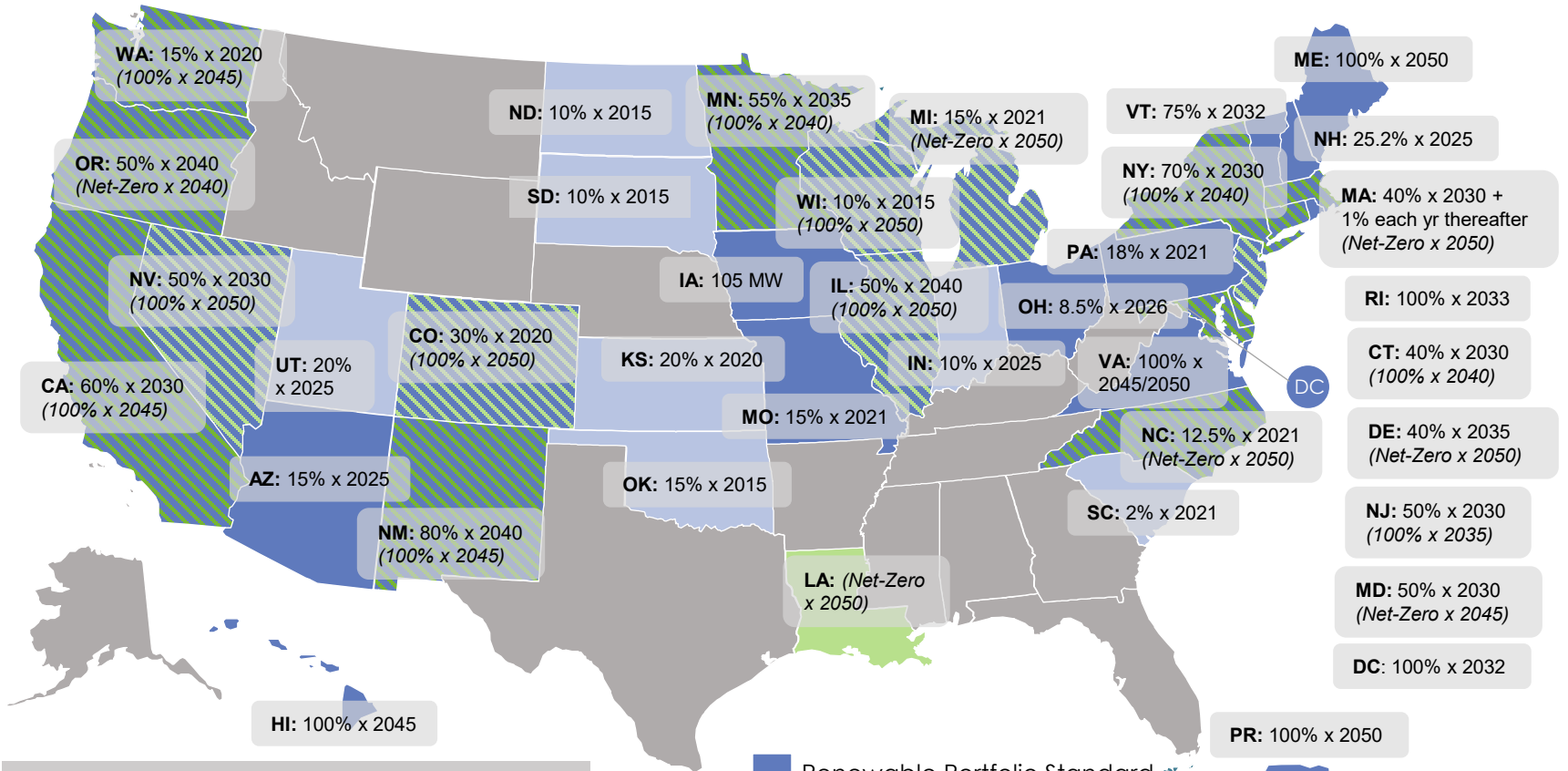
Greatest Contributing Resource to State Generation Mix (2022)



Percentage of Clean Electricity Generated by State (2022)



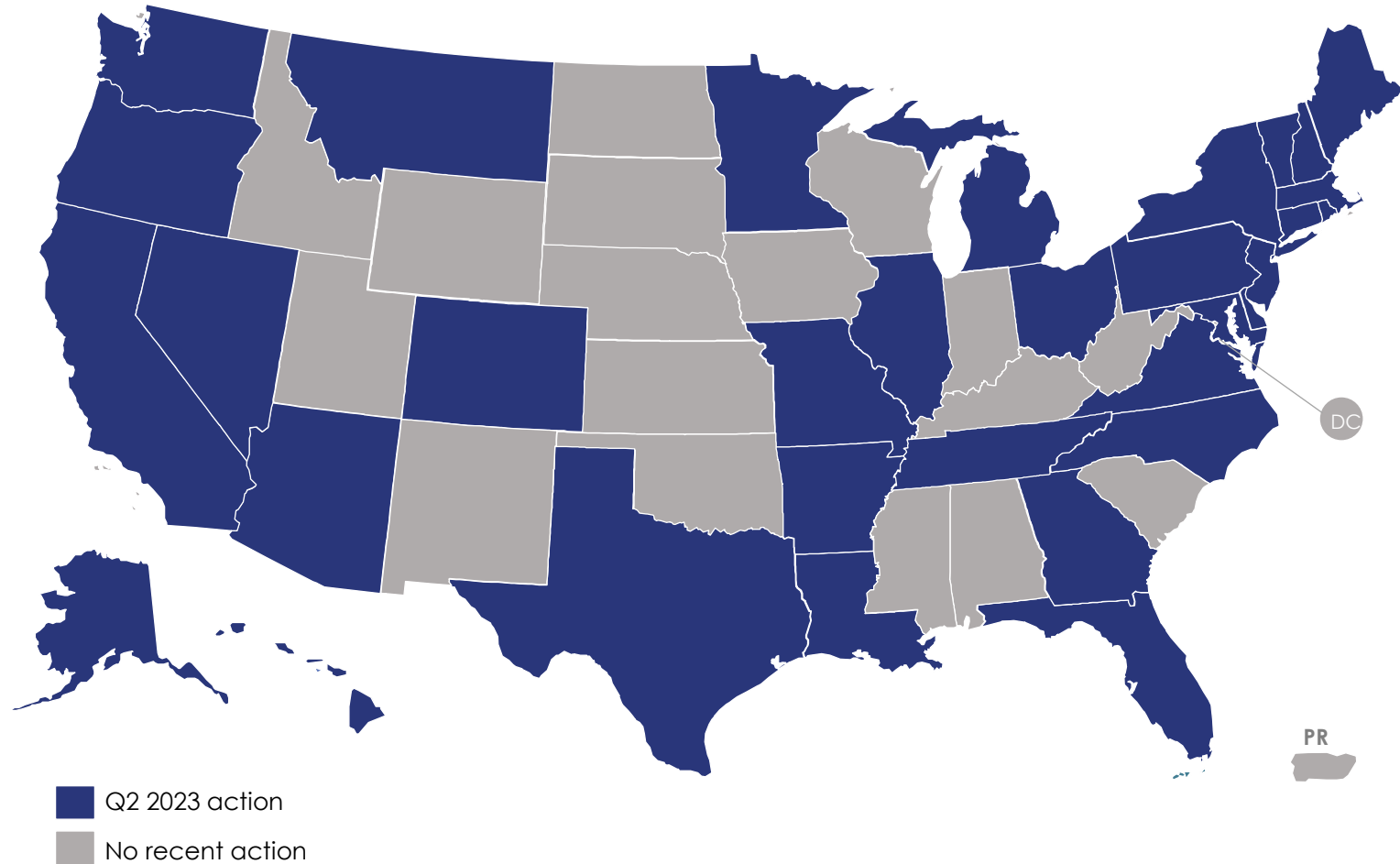
State Clean and Renewable Energy Targets (August 2023)



22 States + DC, PR have 100% clean energy or net-zero electricity emissions targets

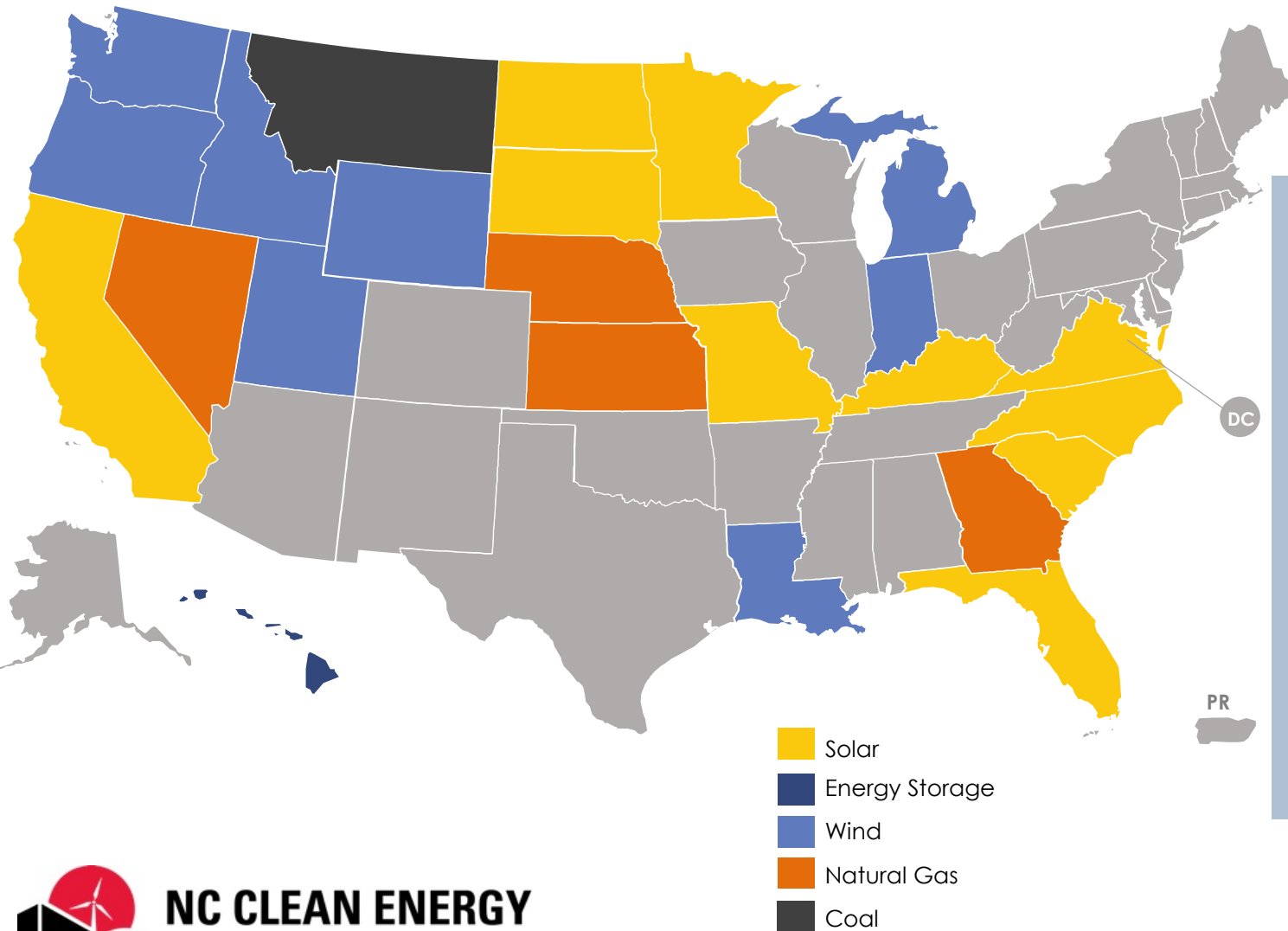
- Renewable Portfolio Standard
- Renewable Portfolio Goal
- Clean Energy or Net-Zero GHG Standard
- Clean Energy or Net-Zero GHG Goal

Q2 2023 Action on Clean Energy Targets and Carbon Reduction Policies



33 States took action on Clean Energy Targets and Carbon Reduction Policies during Q2 2023

Largest Planned Resource Addition in Utility Integrated Resource Plans (Q2 2023)



Total Additions:
Solar: 84 MW
Wind: 47 MW
Storage: 30 MW
Gas: 20 MW
Nuclear: 2 MW
Hydrogen 1.5 MW
Bioenergy: 1 MW

Total Retirements:
Coal: 31 MW
Gas: 8 MW
Nuclear: 3 MW
Oil: 1.5 MW