

Energy Actions NC State Climate Leaders Symposium

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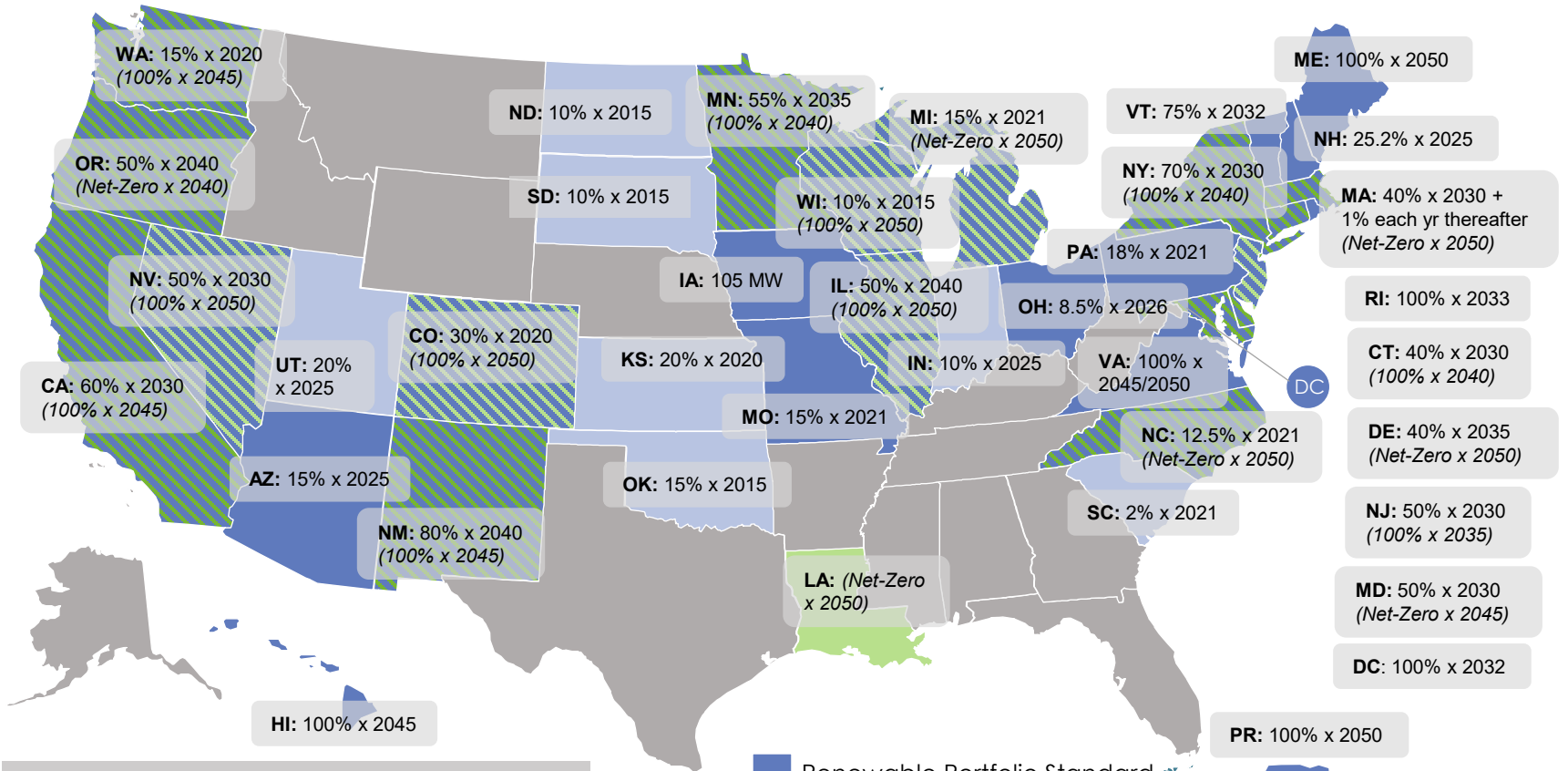
About the NC Clean Energy Technology Center

- UNC System-chartered Public Service Center administered by the College of Engineering at North Carolina State University
- Mission is to advance a sustainable energy economy by educating, demonstrating and providing support for clean energy technologies practices, and policies.
- Objective research, analysis, education, & technical assistance
- Manage the Database of State Incentives for Renewables and Efficiency (DSIRE – www.dsireusa.org)

Federal Funding – IIJA & IRA

- **Infrastructure Investment and Jobs Act (IIJA)**
 - Also known as the Bipartisan Infrastructure Law, or BIL
 - Signed Nov. 2021
 - National Electric Vehicle Infrastructure (NEVI) program
- **Inflation Reduction Act (IRA)**
 - Signed Aug. 2022
 - Federal Investment Tax Credit
 - EV Tax Credit
 - Home Efficiency Rebates
 - Home Electrification and Appliance Rebates
- And MUCH, MUCH more!

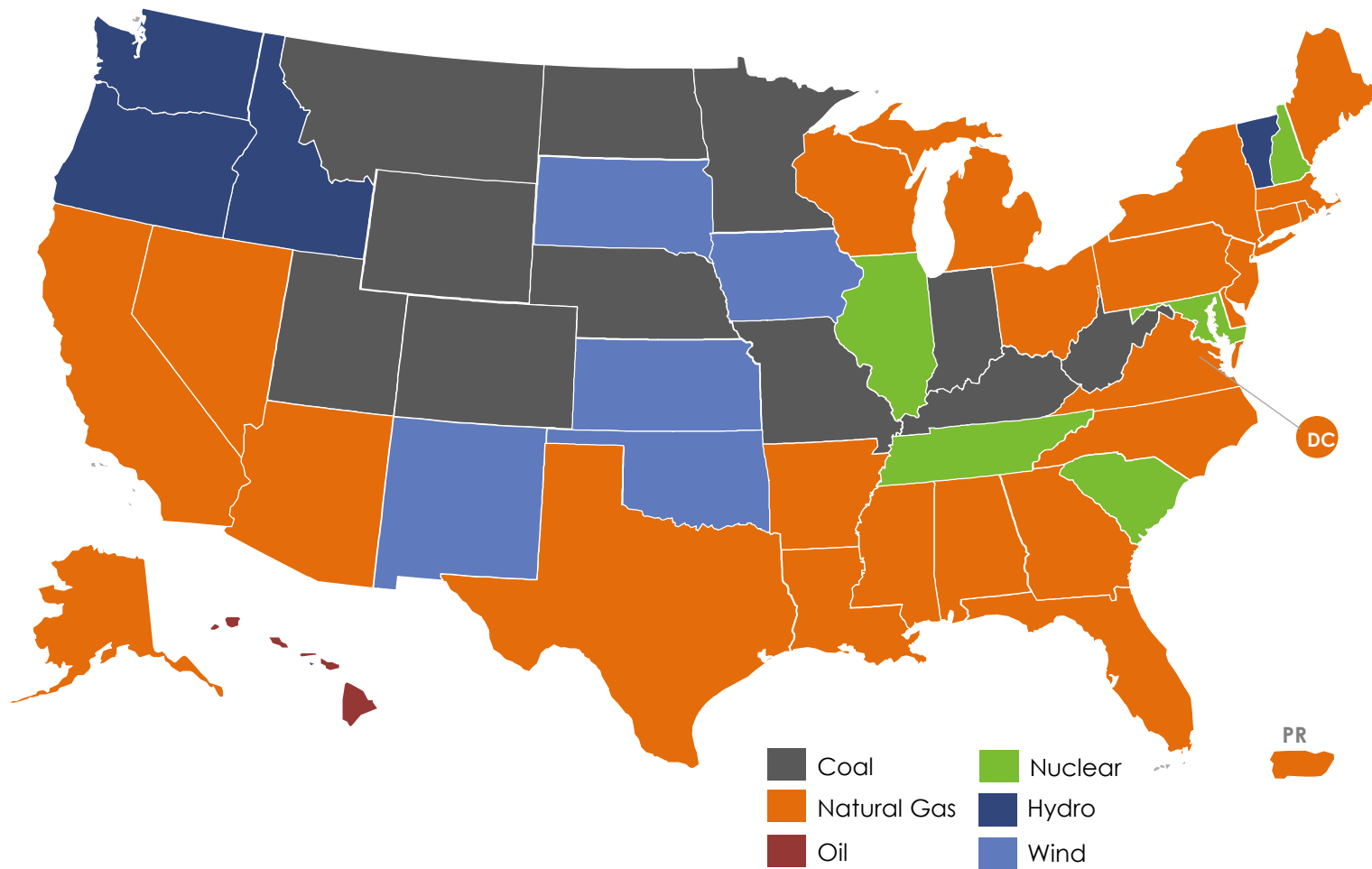
State Clean and Renewable Energy Targets (August 2023)



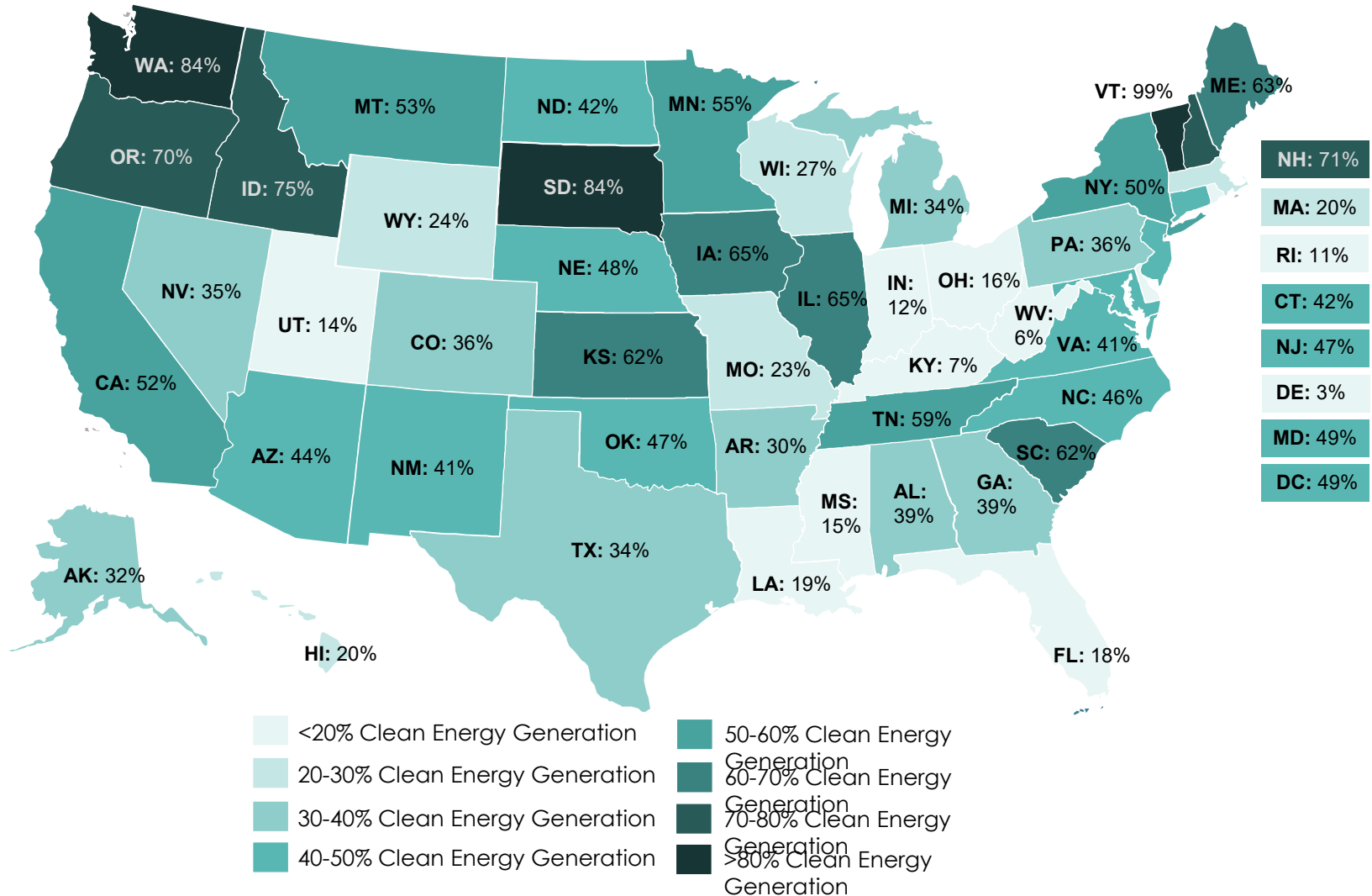
22 States + DC, PR have 100% clean energy or net-zero electricity emissions targets

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

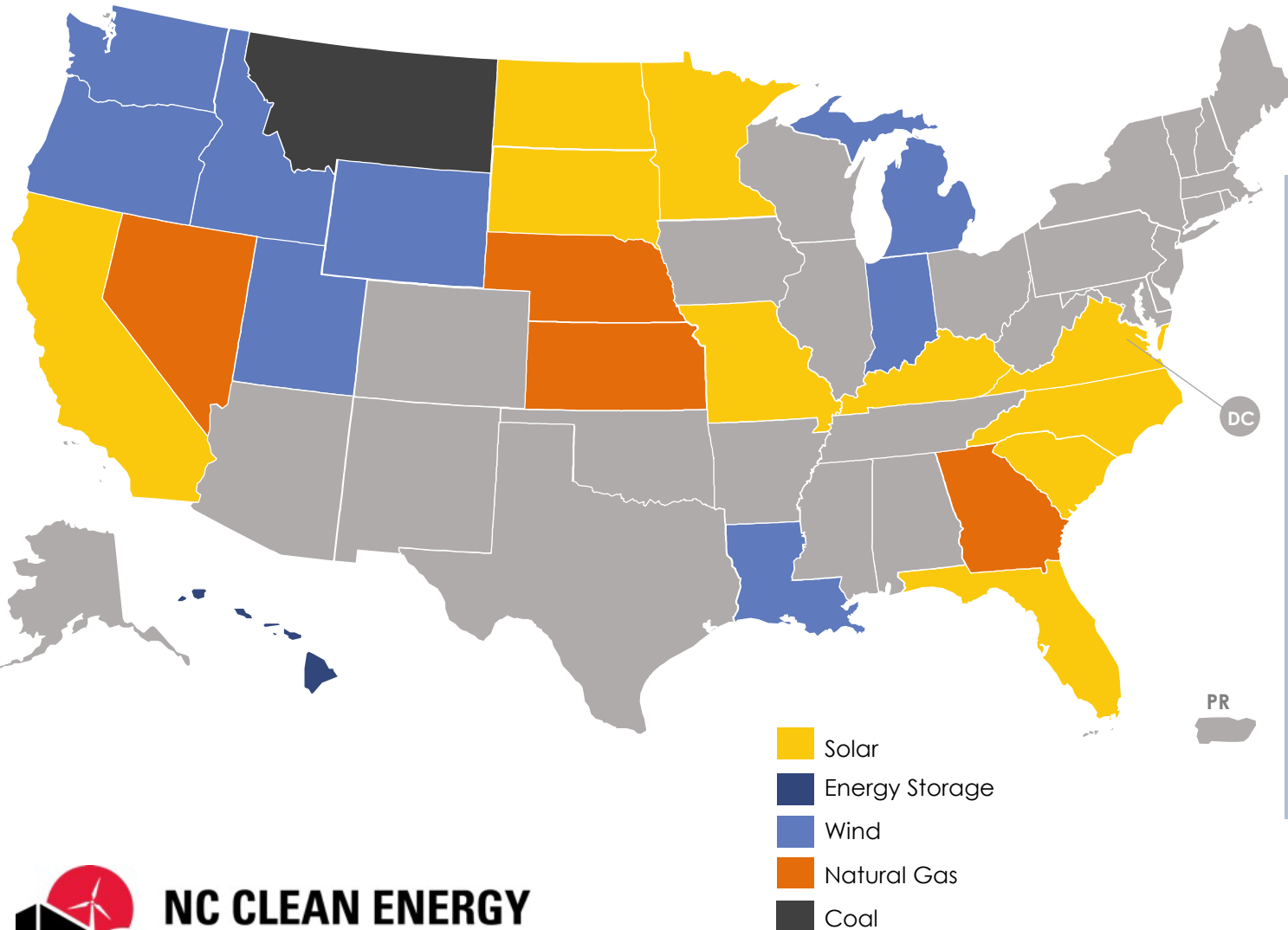
Greatest Contributing Resource to State Generation Mix (2022)



Percentage of Clean Electricity Generated by State (2022)



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



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

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