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.
Greatest Contributing Resource to State Generation Mix (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