The Role of Nuclear in the Clean Energy Transition

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Bipartisan organization
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Services
• State policy research
• Technical assistance and training
• Provide a forum where policymakers can exchange ideas
• Lobbying for states’ interests at the federal level
This recent NCSL report provides background on nuclear energy in the U.S. and a review of recent state and federal policies.

Recent State Nuclear Legislation

2016: 74 bills introduced
2022: 160 bills introduced
Nuclear Policies

A growing number of states have enacted and considered policies to support existing and new nuclear, while management of spent nuclear fuel remains a sticking point.
Zero Emissions Credits

- IL, NJ, NY
- Provides $/MWh for nuclear plants that demonstrate they’re at risk of closure

State-Supported PPAs

- CT
- Allows the state’s lone nuclear plant to bid half of its capacity into state-backed power purchase agreements

Civil Nuclear Credit Program

- CA
- Legislature enacted two measures to extend the life of Diablo Canyon NPP for grid reliability

Preserving the Existing Fleet

Five states have acted to prevent the premature closure of existing nuclear reactors and a recent federal program will provide additional support moving forward.
Support for Advanced Reactors

States are increasingly enacting policies to support advanced reactor development, including particular interest in coal-to-nuclear conversions.

Coal-to-Nuclear

Establish preference for replacing retired coal plants with advanced nuclear.

Streamlining Rules & Regulations

Incorporate nuclear into state energy policy, planning and regulations.

Studies/Task Forces/Workforce

Explore policies to reduce barriers, provide funding for workforce development.
Renewable & Clean Energy Standards

- **Renewable Portfolio Standard**
  - AK
  - WA
  - MT
  - ND
  - MN
  - WI
  - ID
  - WY
  - SD
  - IA
  - IL
  - IN
  - OH
  - PA
  - NJ
  - CT
  - DE
  - DC
  - MD
  - VA
  - WV
  - NC
  - SC
  - NC
  - TN
  - OK
  - LA
  - MS
  - AL
  - GA
  - FL
  - TX
  - CA
  - UT
  - NM
  - AZ
  - HI
  - UT
  - NM
  - AZ
  - HI

- **Clean Energy Standard**
  - ME
  - VT
  - NH
  - RI
  - NY
  - MA
  - CT
  - NJ
  - PA
  - OH
  - IN
  - IL
  - IA
  - SD
  - WY
  - WY
  - PA
  - NJ
  - CT
  - DE
  - DC
  - MD
  - VA
  - WV
  - NC
  - SC
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  - TX
  - CA
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  - NM
  - AZ
  - HI
  - UT
  - NM
  - AZ
  - HI

NATIONAL CONFERENCE OF STATE LEGISLATURES
Restrictions on New Nuclear Development

- Restrictions on New Nuclear
- Repealed Restrictions
The Clean Energy Transition is forcing nuclear back into the discussion. Red and Blue states are considering how nuclear might contribute.

States are looking to nuclear due to:

- Dispatchable, Carbon-Free Power
- Reliability & Resilience
- Economic & Workforce Issues
- Capacity & Scale
- Federal Support (IIJA/IRA)

Opponents most often point to concerns over spent nuclear fuel and the high upfront capital costs for new builds.
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Reach out anytime!