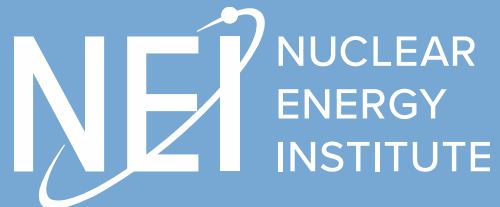
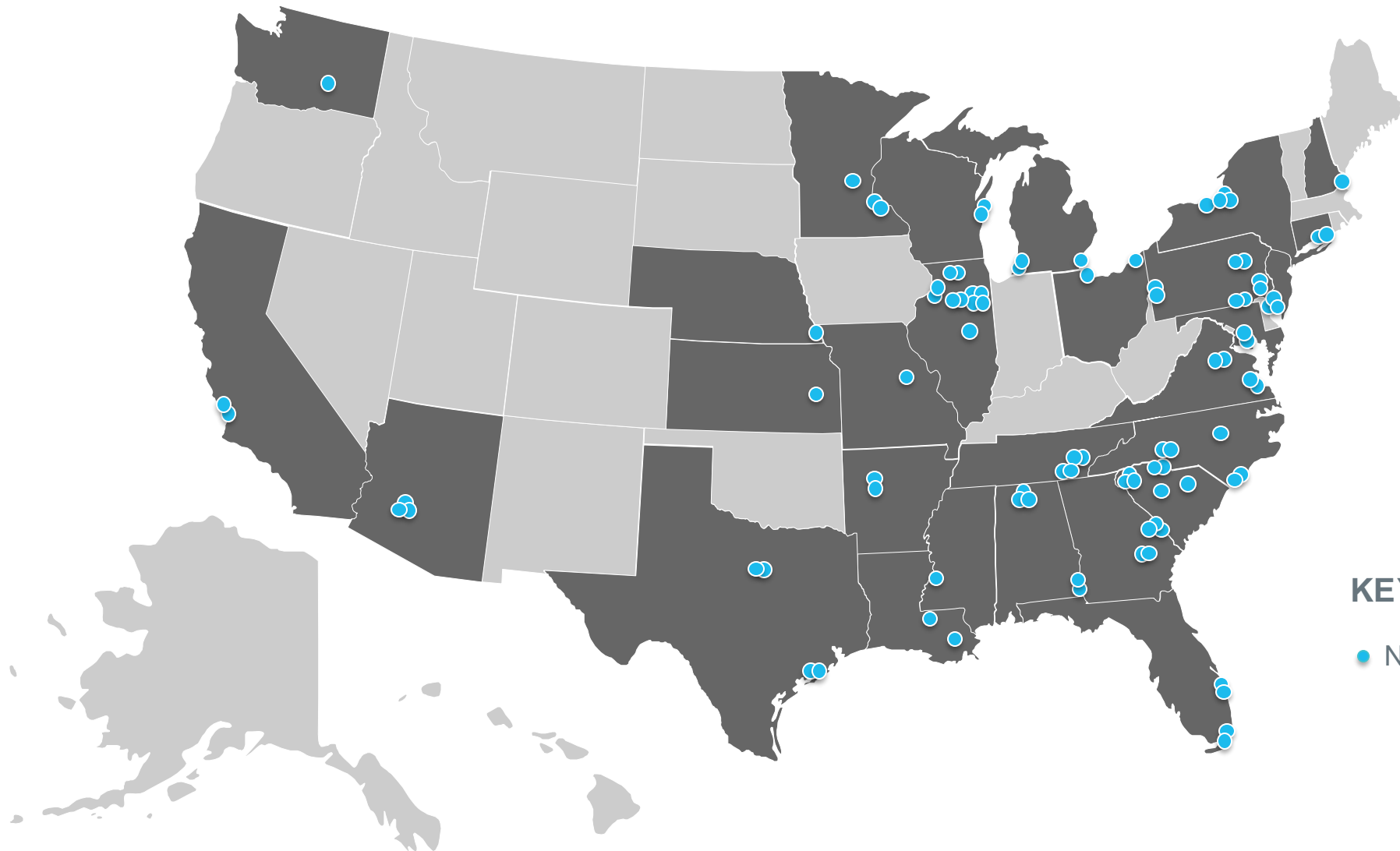


Nuclear Energy Overview: NCSL Energy Supply Task Force

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Nuclear Provides Majority of Emissions-Free Electricity



Nuclear generated 19% of electricity in the U.S.

From 94 reactors at 53 plant sites in 28 states

KEY

● Nuclear power reactor

Nuclear State Policy Trends

200+ BILLS INTRODUCED THAT IMPACT NUCLEAR IN 2023

- ✓ Nuclear Moratorium Repeals
- ✓ Clean Energy Standards and Definitions
- ✓ SMR Studies
- ✓ Task Forces, Working Groups, Commissions
- ✓ Used Fuel and Decommissioning
- ✓ Workforce Development
- ✓ Regulatory Reform
- ✓ Advanced Nuclear
- ✓ Hydrogen
- ✓ Fusion

2023 State Actions for Nuclear Energy

CES and Defining Clean

Minnesota, Idaho, Tennessee,
North Carolina, Michigan

Workforce Development

Virginia, West Virginia, South
Carolina

SMR Incentive

Indiana

SMR Study

North and South Dakotas

Moratorium Repeal

Illinois

Energy Study

Colorado

Nuclear and Hydrogen

Nebraska

Nuclear Working Group or Authority

Kentucky, Connecticut, Ohio

Coal to Nuclear

Texas

Nuclear Recycling Program

Arkansas

Interim SMR Study

Oklahoma, West Virginia

Nuclear Energy Caucus

Washington, Texas, Michigan

2023 Governor Actions

- Tennessee's Governor Lee's **\$50 Million** for Incentives and Nuclear Energy Advisory Council
- Michigan's Governor Whitmer **\$150 Million** for re-activating Palisades in state budget
- Governor Youngkin's budget includes **\$2 Million** for the Virginia Nuclear Innovation Hub
- Governor Abbott directing the PUCT to create a working group to develop rules for advanced nuclear

2024 State Actions

- 130+ Nuclear Bills
 - States Watchlist
 - ◆ Virginia
 - ◆ Kentucky
 - ◆ Michigan
 - ◆ Connecticut
 - ◆ Tennessee
 - ◆ Texas



Key Federal Policy Developments

Bipartisan Infrastructure Bill

Civil Nuclear Credit Program

\$6B to support financially challenged plants

ARDP Funding

\$2.5B funding for two projects

Nuclear Hydrogen Hub

\$8B total in the bill

Inflation Reduction Act

Production Tax Credit (PTC) for Operating Plants

Up to \$15 per MWh

Technology-Inclusive PTC for Clean Electricity

\$30 per MWh

Technology-Inclusive Investment Tax Credit (ITC) for Clean Electricity

30% + 10% in energy communities + 10% using U.S. components

Clean Hydrogen Credit

\$3 per kilogram

118th Congress

Nuclear Fuel Security Act

LEU/HALEU domestic production authorizing legislation contained in FY 2024 NDAA

FY 2024 Appropriations Legislation

\$2.72 Billion for domestic fuel production

Additional \$800 Million for Small Modular Reactors

40 Year Reauthorization of the Price-Anderson Indemnification Act

Federal Policy Update

NRC Modernization

- **ADVANCE ACT** – Voted out of Committee 16-3; passed Senate in NDAA (2023)
- **American Energy Advancement Act** – Passed House 365-36
- Negotiated agreement and **looking for vehicle**
- **Agreement passed the House in S.870 the Federal Fire Prevention and Control Act 393-13**

Chris Hanson Nomination

- Senate EPW Business Meeting held on May 1
- Advanced out of Senate EPW Committee with bipartisan vote of 18-1
- **Awaiting Senate floor vote**