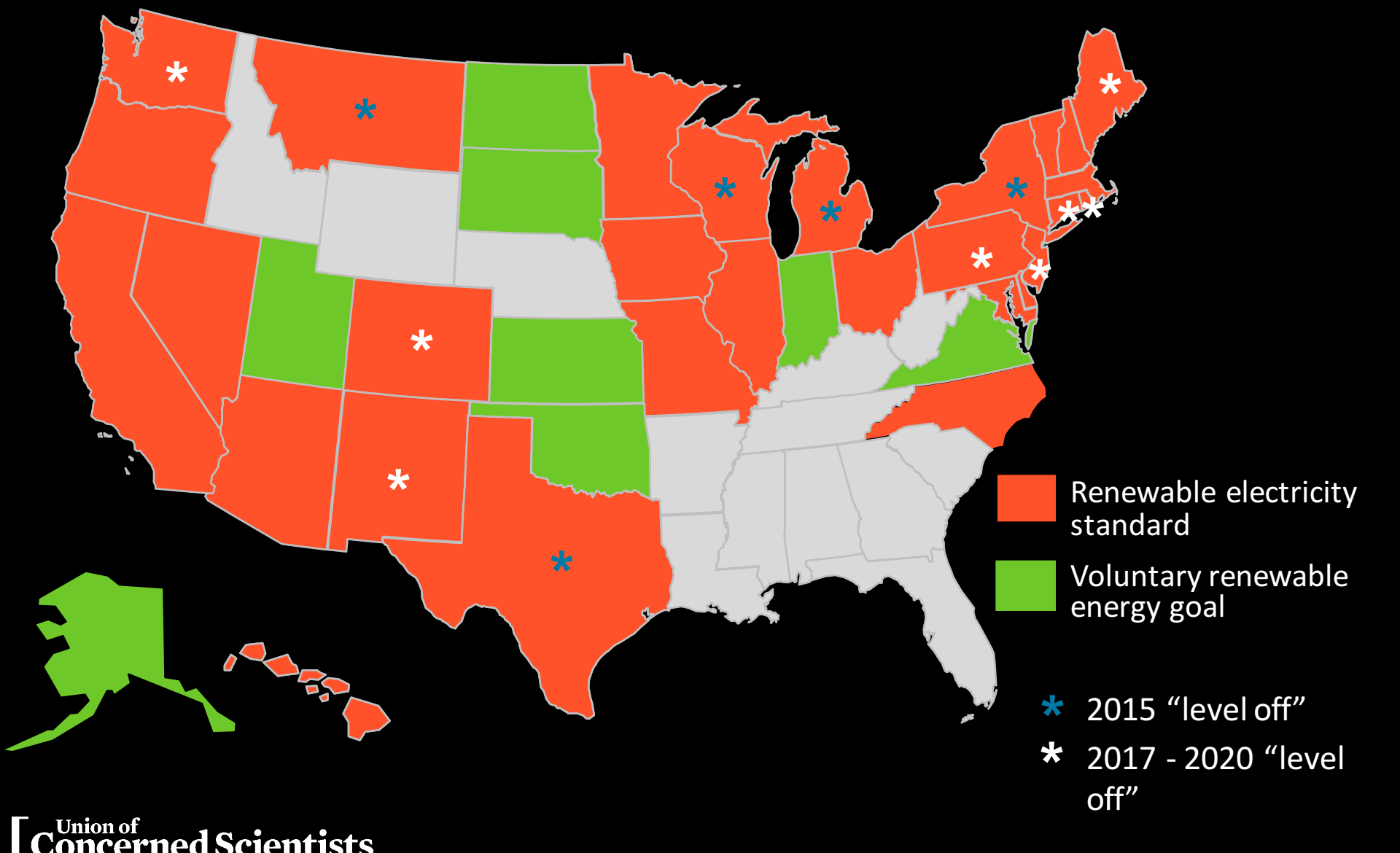
An Outlook on RES and Compliance Markets

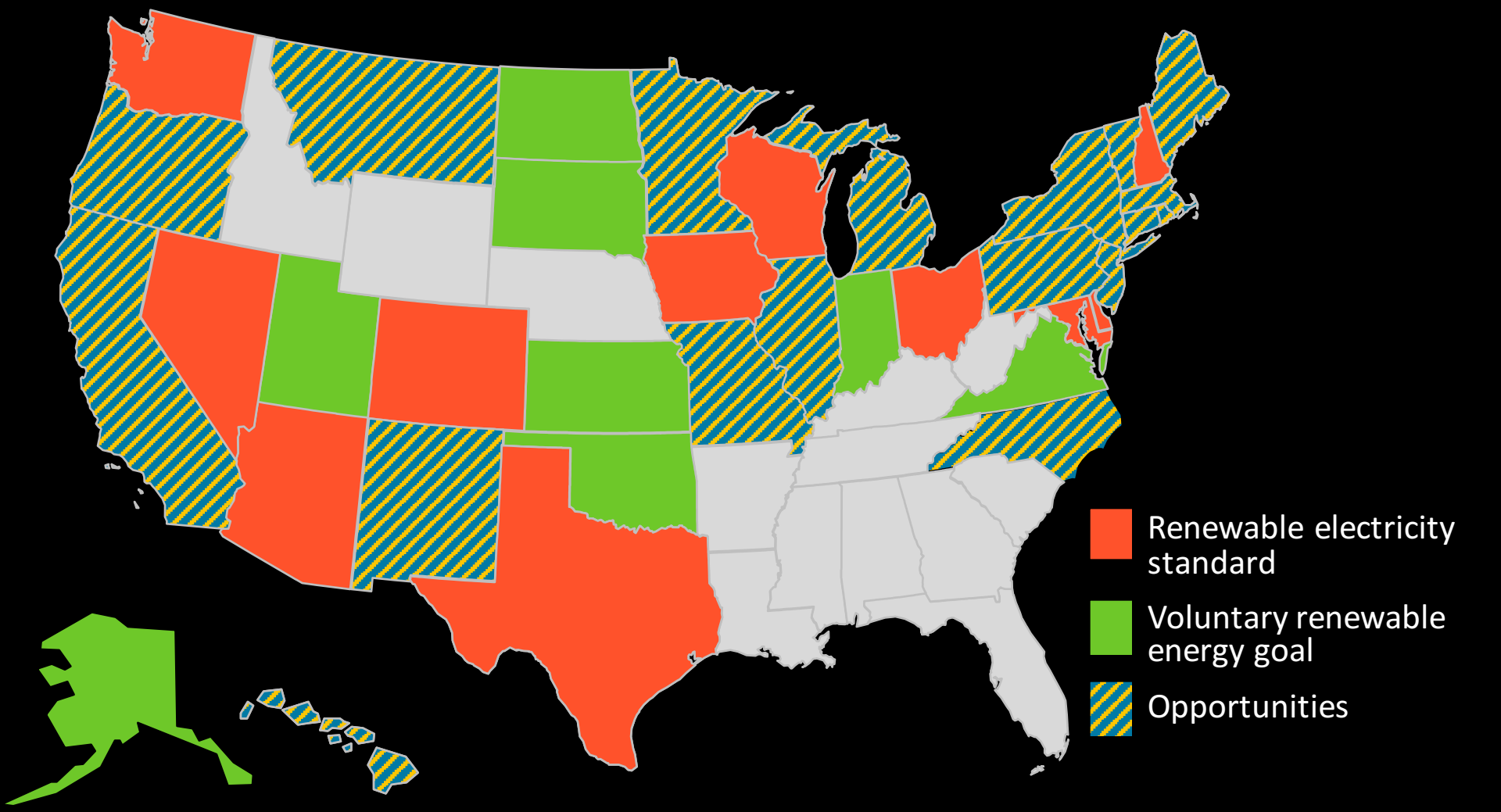
Union of Concerned Scientists

Renewable Electricity Standards



Union of Concerned Scientists

RES Strengthening Opportunities - 2015



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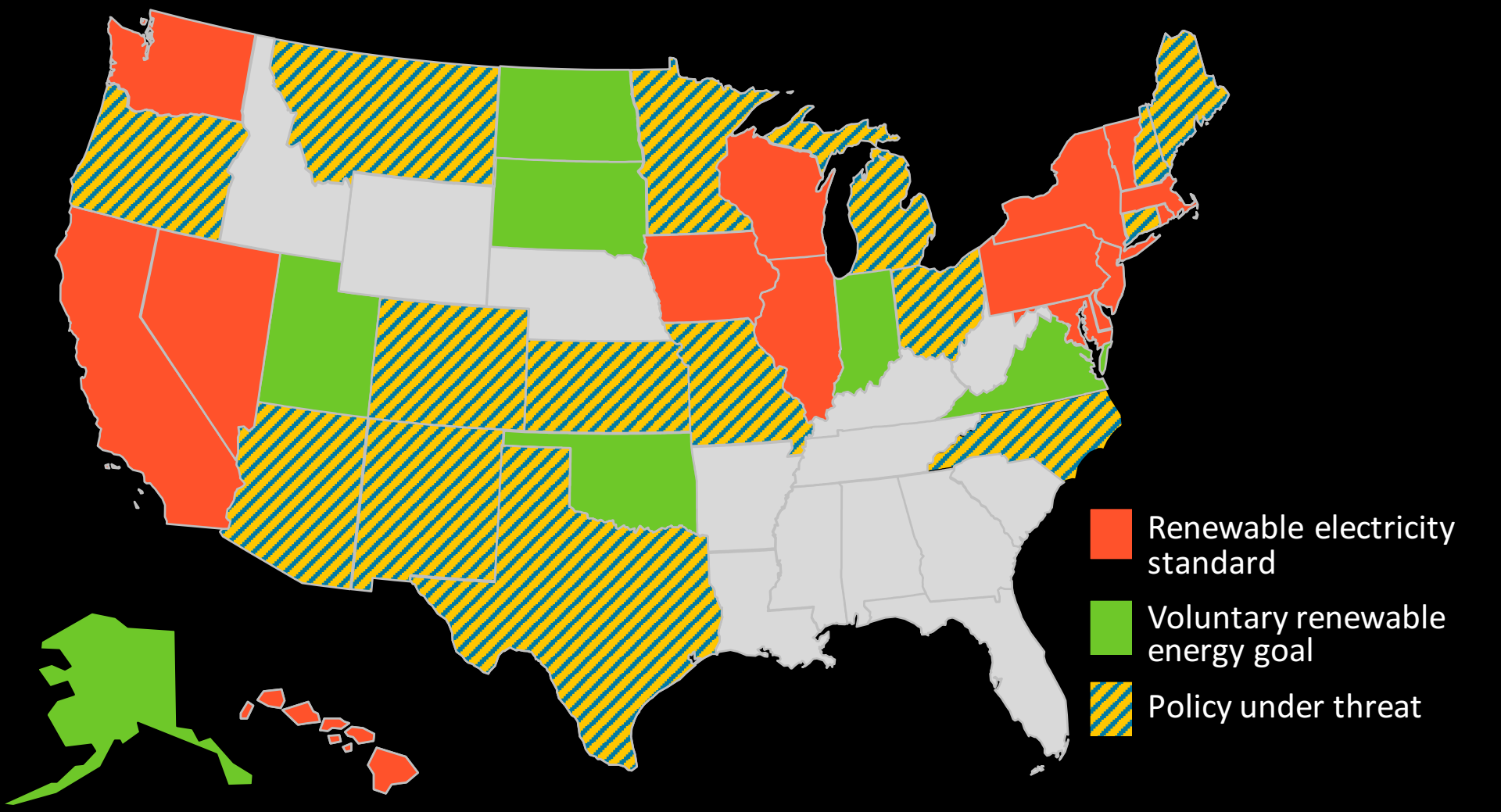
RES Policies Under Threat - 2015



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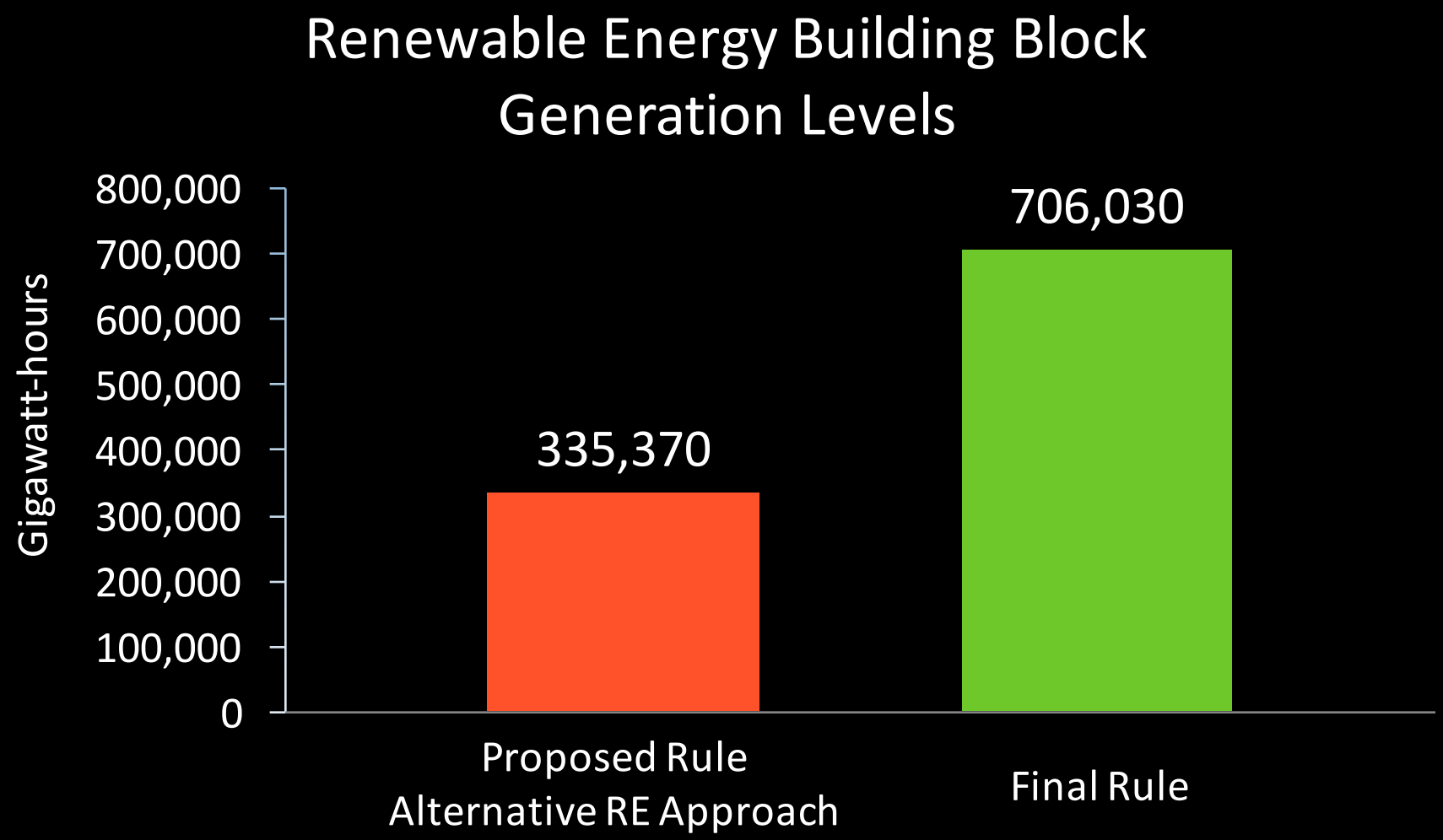
Opportunities for Renewable Energy under the Clean Power Plan

A Stronger Role for Renewables



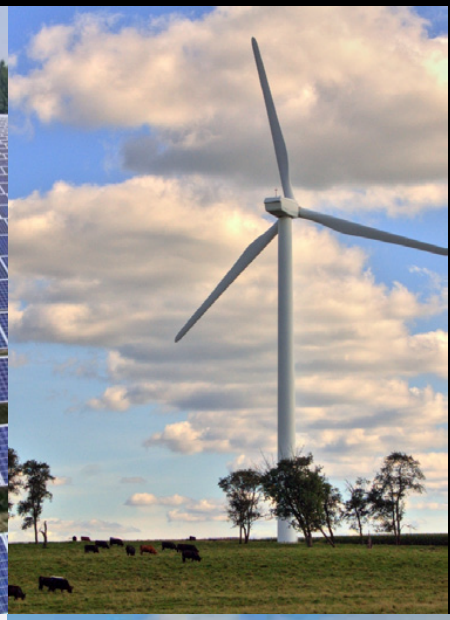
Emissions Reduction Trading Mechanisms

Clean Energy Incentive Program

- Spurs early investments in wind and solar
- Rewards on-time completion of state compliance plans
- Reduces overreliance on natural gas

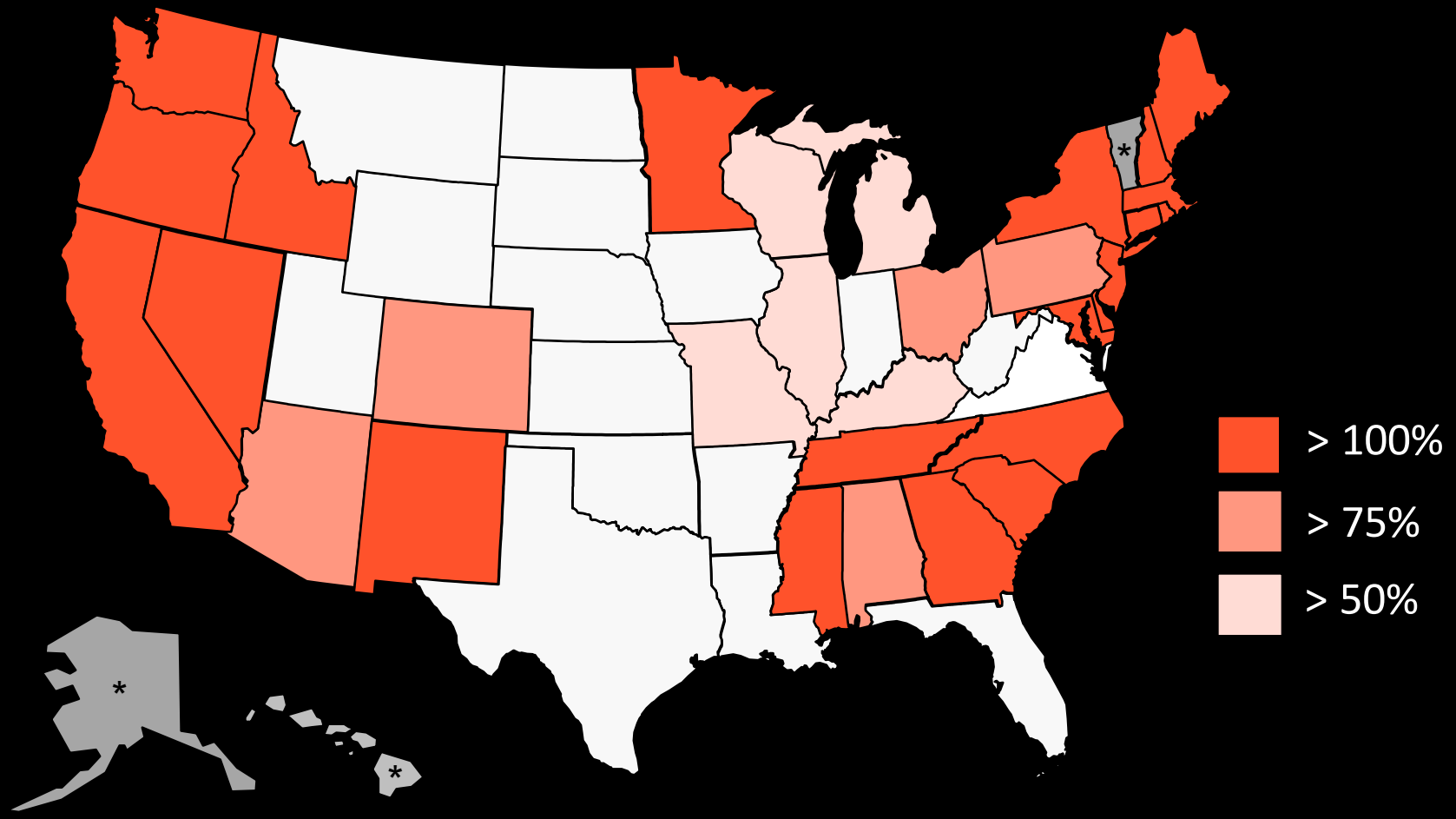
Existing State Carbon Cutting Commitments

- Renewable electricity standards
- Energy efficiency standards
- Coal plant retirements / switching to natural gas
- Power plant carbon caps
- Under construction nuclear



States of Progress

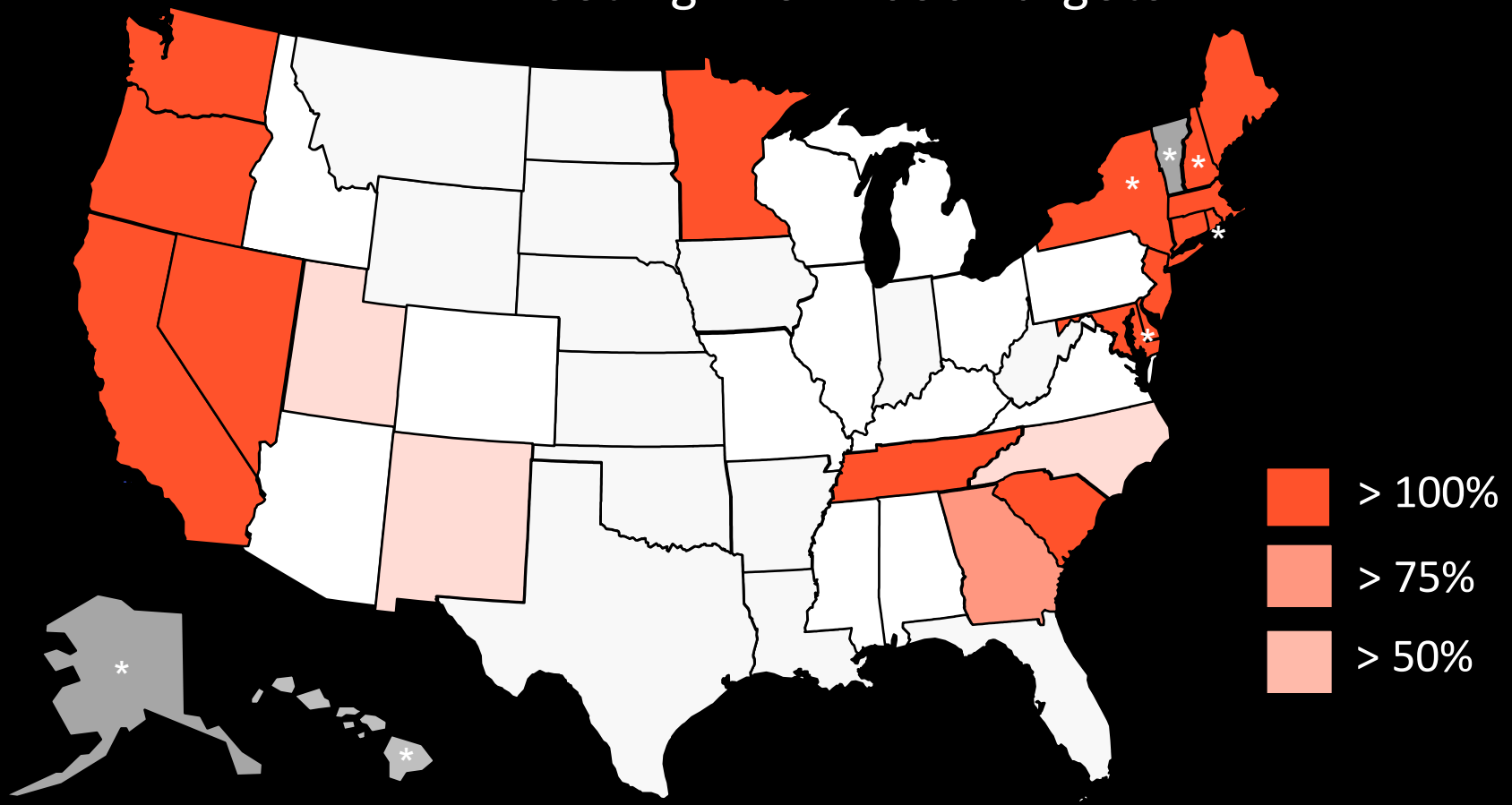
Existing Clean Energy Commitments Put Most States in Strong Position to Achieve the Clean Power Plan's 2022 Targets



*Alaska, Hawaii, and Vermont have no obligations under the Clean Power Plan.

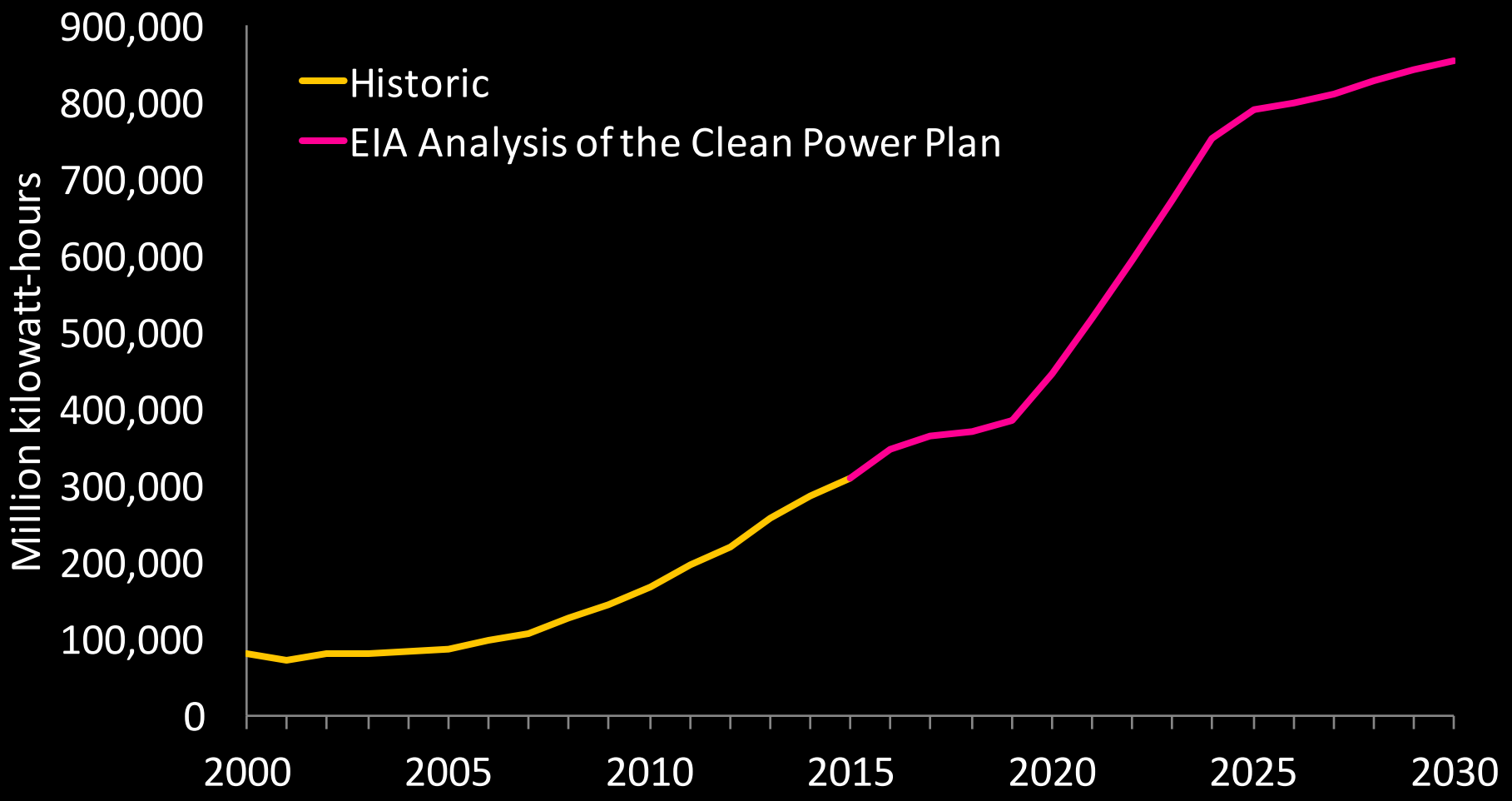
States of Progress

20 States Will Be More Than Halfway Toward Meeting Their 2030 Targets



*While as individual states, Delaware, New Hampshire, Rhode Island, and New York do not exceed their 2030 final targets, we assume they will as members of the nine-states Northeast Regional Greenhouse Gas Initiative (RGGI). Collectively, the RGGI states are projected to be more than 200% of the way toward their combined 2030 emission reduction targets under the Clean Power Plan. Alaska, Hawaii, and Vermont have no obligations under the Clean Power Plan.

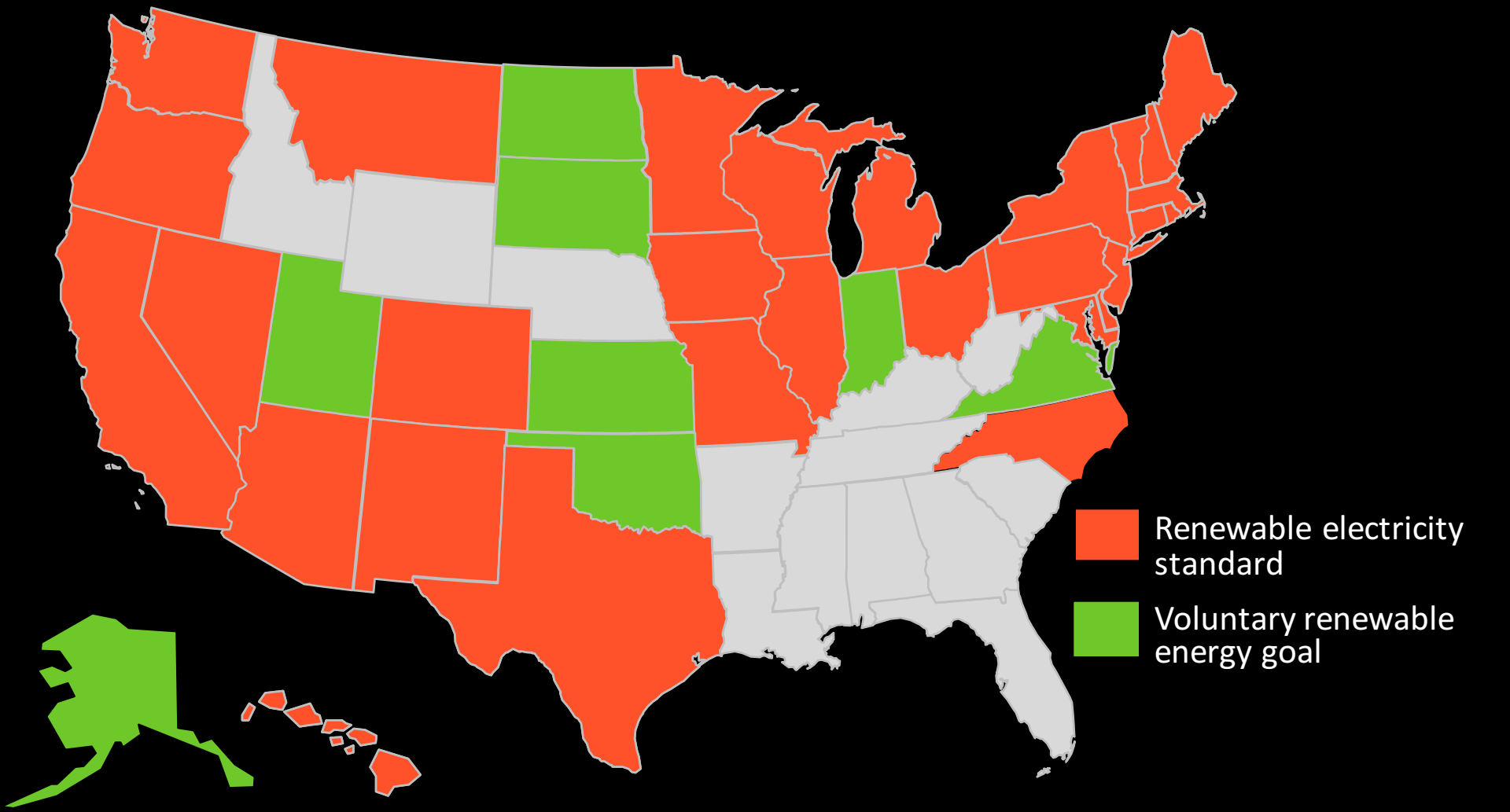
Renewable Energy Under the Clean Power Plan



Complementary Policies are Key

- Renewable electricity standards
- Voluntary RE markets
- Net metering
- Tax incentives
- Financing mechanisms
- Invest in advanced transmission technologies
- Coordinate with regional grid operators

Renewable Electricity Standards



Montana
- ALEC
- American Tradition Institute
- Beacon Hill Institute
- Montana Policy Institute
- State Policy Network

Minnesota
- ALEC
- American Tradition Institute
- Beacon Hill Institute
- Minnesota Free Market Institute
- State Policy Network
- The Center of the American Experiment

Ohio
- ALEC
- American Tradition Institute
- American Energy Alliance
- Beacon Hill Institute
- Continental Economics
- Energy and Environment Legal Institute
- Heartland Institute
- Institute for Energy Research
- State Policy Network

Washington
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- Beacon Hill Institute
- National Center for Policy Analysis
- PacifiCorp
- Puget Sound Energy
- State Policy Network
- Washington Policy Center

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- Wisconsin Policy Institute

Maine
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- Maine Heritage Policy Center
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- The Yankee Institute

Oregon
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- Beacon Hill Institute
- Cascade Policy Institute
- Commonwealth Foundation
- Manhattan Institute
- National Center for Policy Analysis
- State Policy Network
- Umatilla Electric Cooperative

Pennsylvania
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- Beacon Hill Institute
- Commonwealth Foundation
- Heartland Institute
- National Center for Policy Analysis
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Utah
- ALEC
- Rocky Mountain Power

Kansas
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- Americans for Prosperity
- Americans for Tax Reform
- Beacon Hill Institute
- Heartland Institute
- Kansas Chamber of Commerce
- Kansas City Power & Light
- Koch Industries
- Kansas Policy Institute
- State Policy Network
- Westar Energy

Oklahoma
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- Americans for Prosperity
- Oklahoma Gas & Electric Co.
- Public Service Co. of Oklahoma

West Virginia
- ALEC

Arizona
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- Arizona Public Service
- Beacon Hill Institute
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- State Policy Network
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North Carolina
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- American Commitment
- American Conservative Union
- Americans for Prosperity
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- American Tradition Institute
- Beacon Hill Institute
- Committee for a Constructive Tomorrow
- Competitive Enterprise Institute
- Duke Energy
- Freedom Action
- Heartland Institute
- Institute for Energy Research/ American Energy Alliance
- Independent Women's Forum
- John Locke Foundation
- John W. Pope Civitas Institute
- National Center for Public Policy Research
- National Taxpayers Union
- State Policy Network

Texas
- Institute for Policy Innovation
- State Policy Network
- Texas Public Policy Foundation

Source: Energy Policy Institute