



U.S. State and Regional Action on Climate Change

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- Motivation for state action
- The landscape of state policies that address climate change
- Highlights from states taking the lead
- State policy diffusion

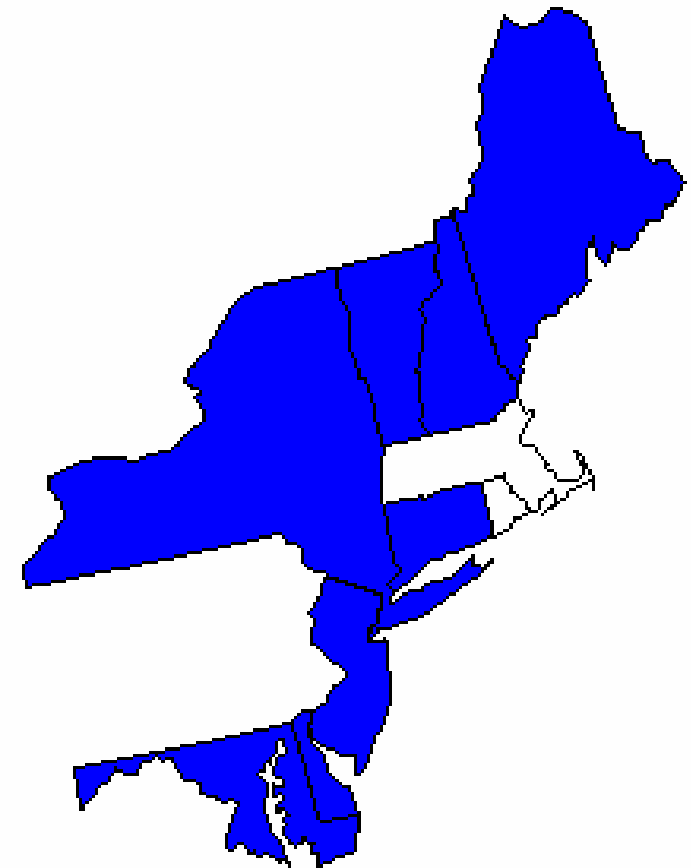
- Concern about climate impacts
- Economic development
- Energy price volatility
- Energy independence
- Air quality concerns
- Traffic congestion

- Direct and Indirect GHG Emission Reductions
- Governors and legislators are acting
- Almost Every State is Doing Something:
 - Regional Initiatives
 - Climate Action Plans and GHG reporting
 - Electricity (renewable energy mandates, carbon adders, public benefit funds, green pricing, REC tracking)
 - Transportation (CA GHG vehicle standards, smart growth, transportation management, cleaner fuels and vehicles)
 - Ag and Forestry (sequestration, renewable energy, biofuels, ethanol)
 - Other (e.g., energy efficiency, waste management)

Regional Greenhouse Gas Initiative

An Initiative of the Northeast & Mid-Atlantic States of the U.S.

- Regional cap-and-trade program initially covering power plant CO₂ emissions
- Initiated 2003 by NY Gov. Pataki, agreement announced Dec. 2005
- First mandatory U.S. GHG cap-and-trade program
- Stabilize emissions at current levels 2009 until 2015, 10% reduction by 2019

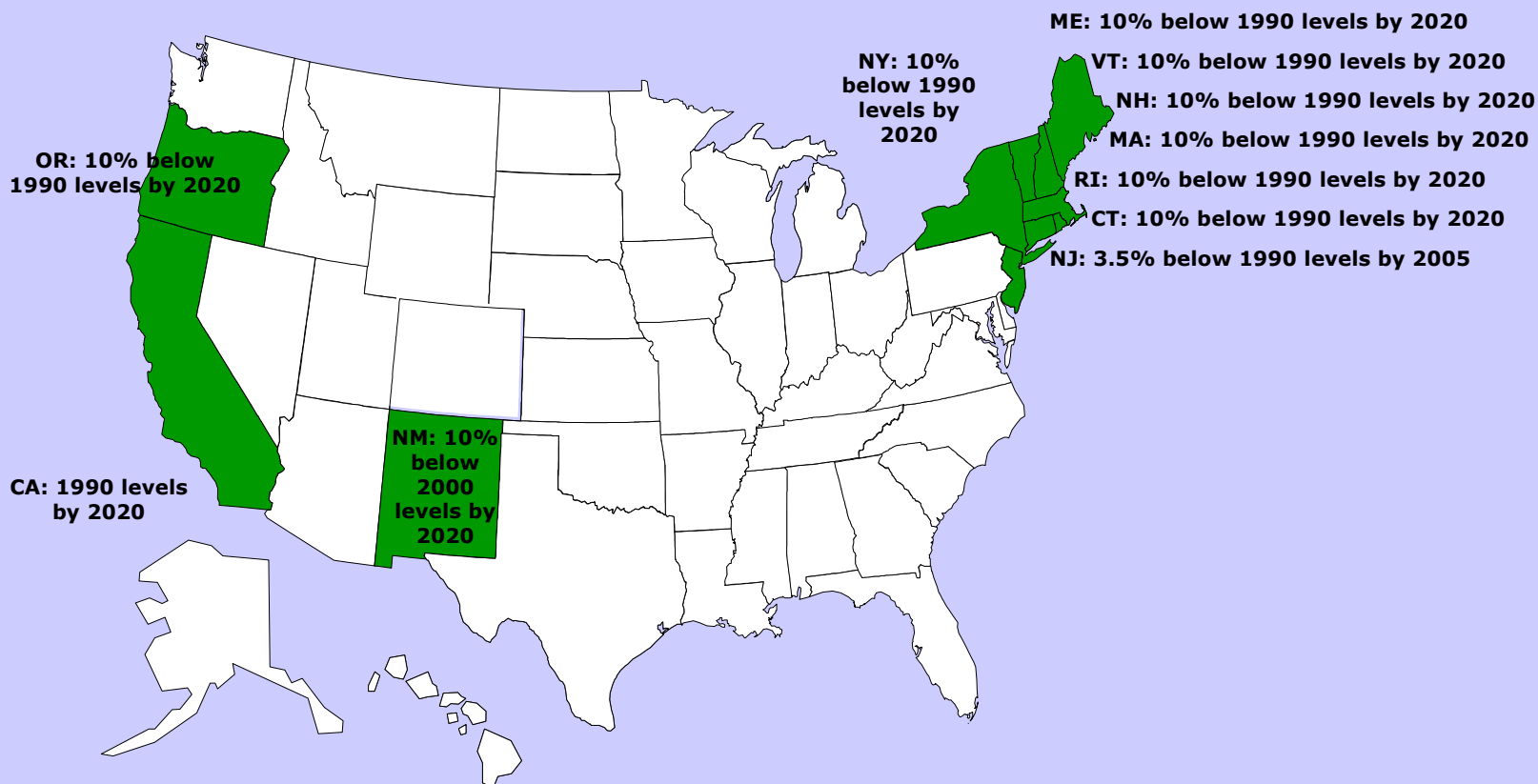


- Potential model for national policy
- First U.S. mandatory cap-and-trade system for GHG emissions
- Possible linkage to EU-ETS, CDM
- Novel standards approach to offsets
- Real data to inform policy

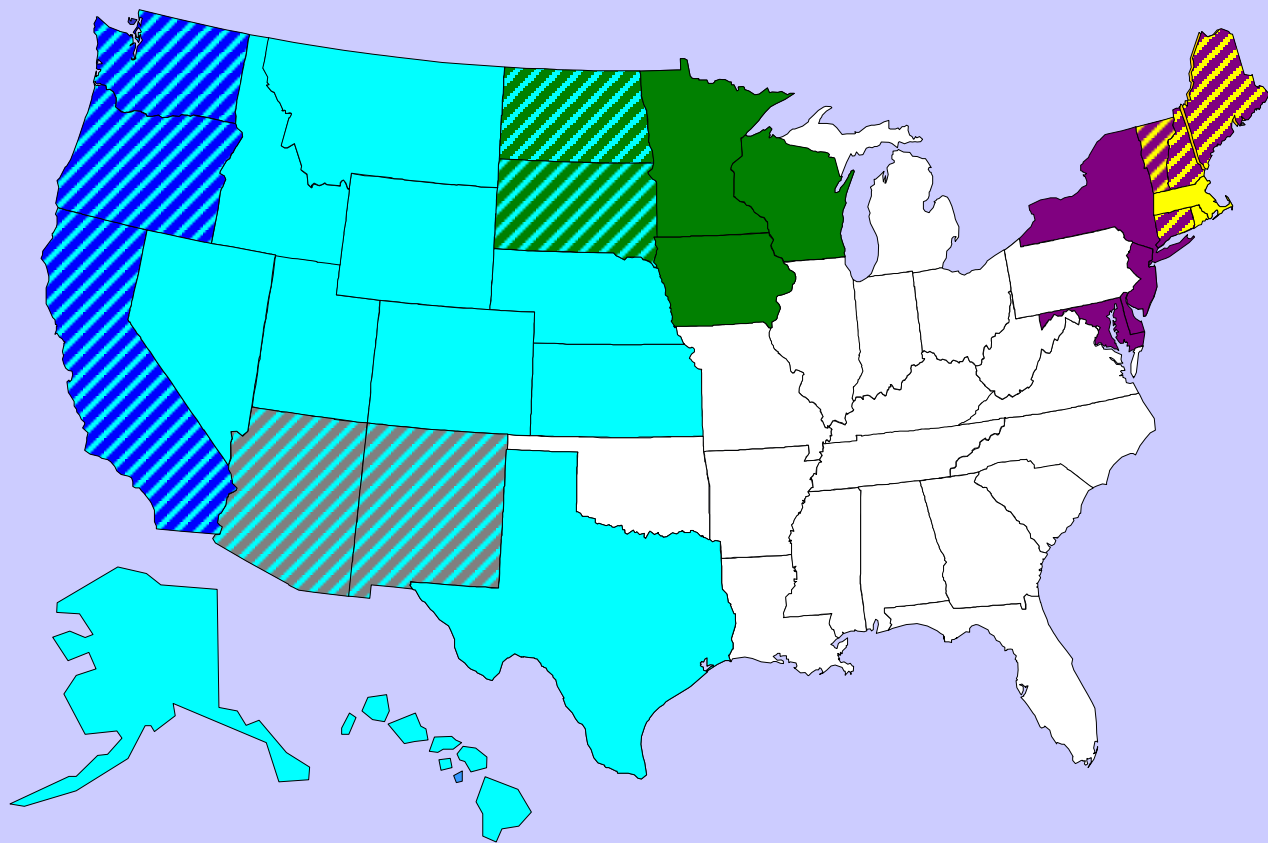
- Governor Schwarzenegger set California's targets at:
 - 2000 levels by 2010
 - 1990 levels by 2020
 - 80% below current emissions by 2050
- Governor's Climate Action Team
- Nunez/Pavley Legislation
- Renewable Portfolio Standard
- Vehicle GHG standards
- Energy Commission Integrated Energy Policy Report (IEPR); CPUC carbon adder
- Every agency is doing something







- Alaska
 - Legislative Commission on Climate Change
- Arizona
 - Governor's executive order established advisory group to develop plan, targets
- New Mexico
 - 2000 levels by 2012, 10% below 2000 by 2020
 - Governor's Advisory group
- North Carolina
 - Legislative Commission on Climate Change
- Montana
 - Governor creating climate change advisory council

State GHG Emission Targets

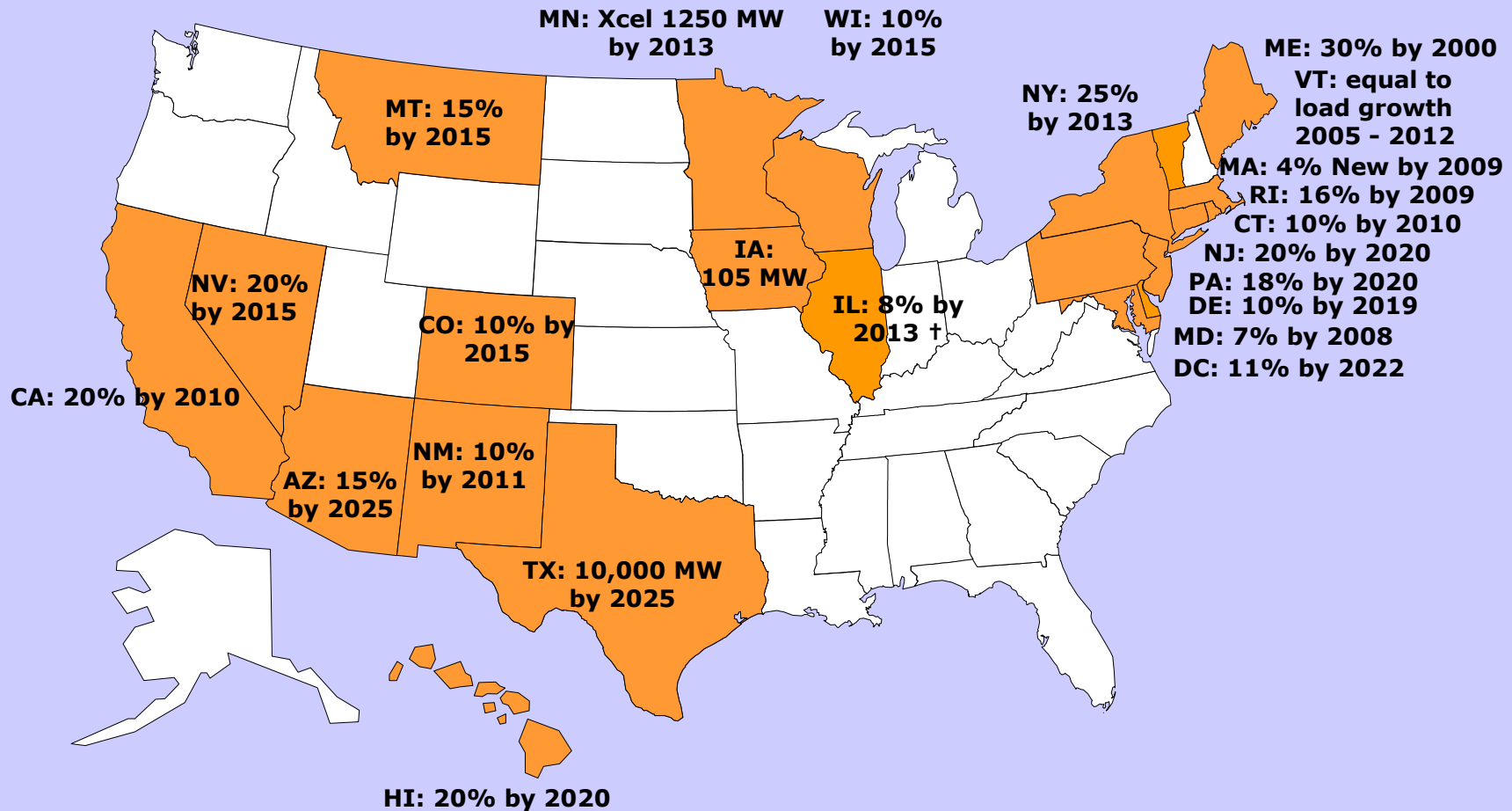


Regional Initiatives



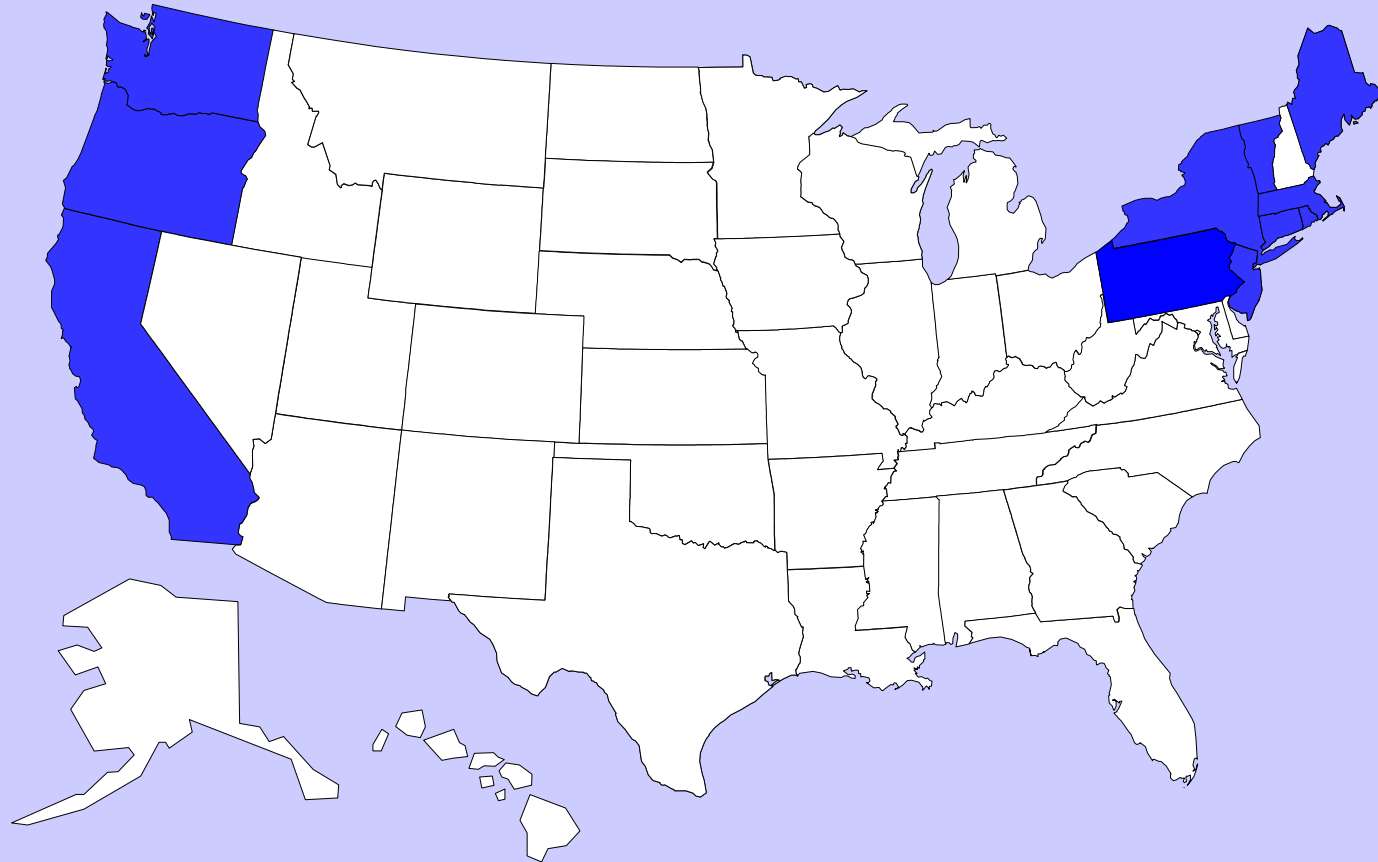
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|--|---|---|
|  West Coast Governors' Initiative |  Powering the Plains |  NEG-ECP |
|  Southwest Climate Change Initiative |  WGA |  RGGI |

Renewable Portfolio Standards



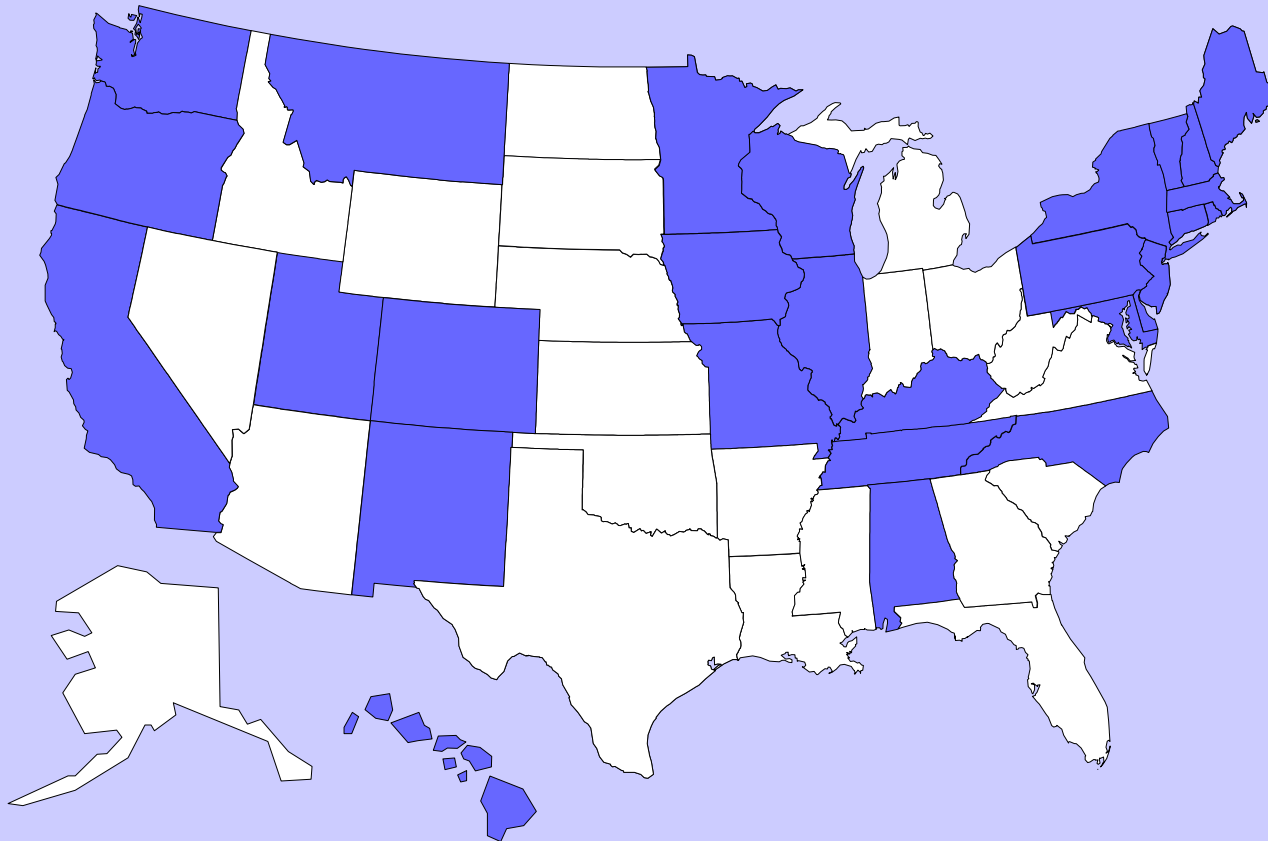
IL implements its RPS through voluntary utility commitments

Vehicle GHG Standards



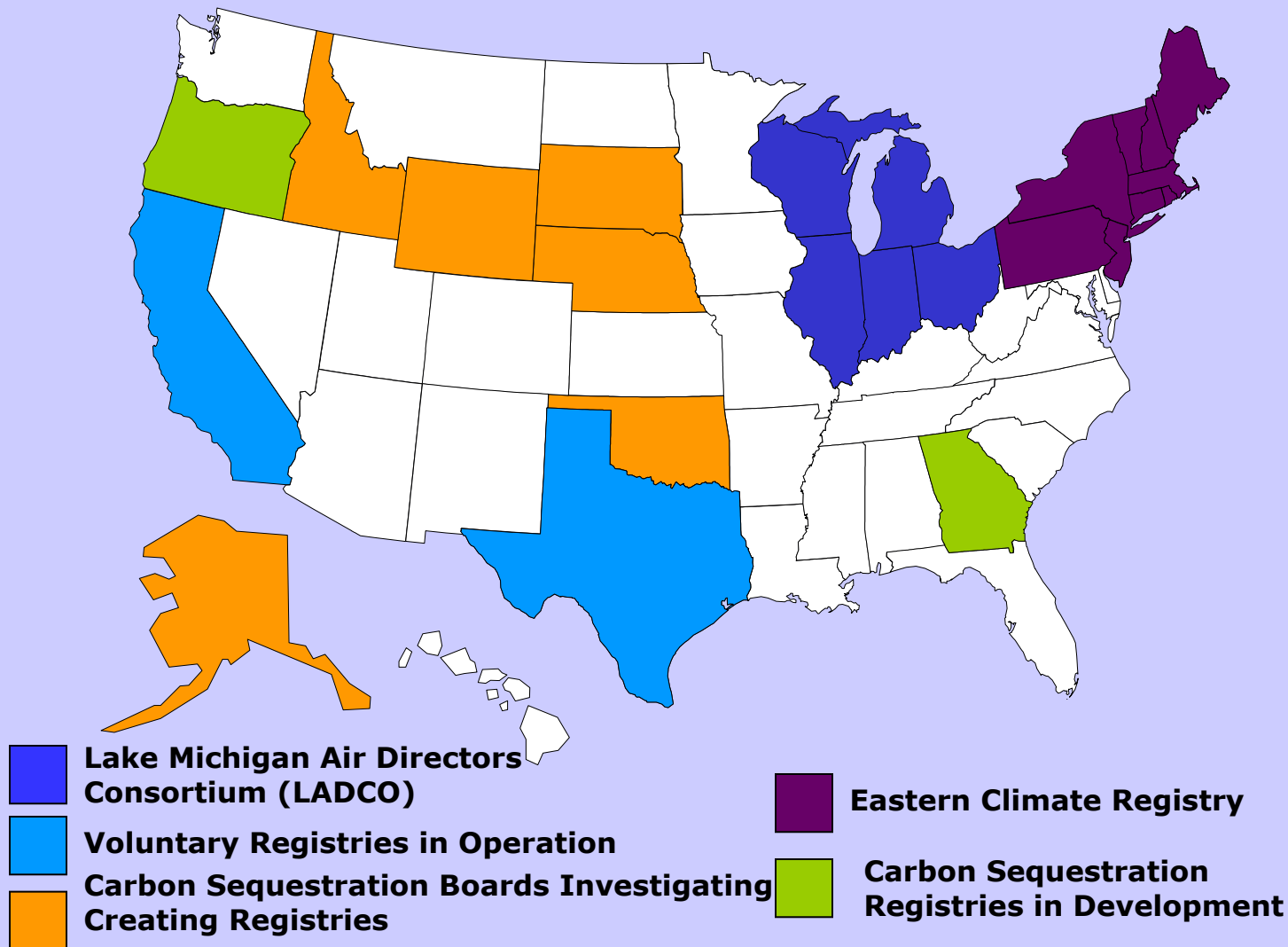
 **States Poised to Follow California's GHG Emissions Standards for Vehicles**

Climate Action Plans

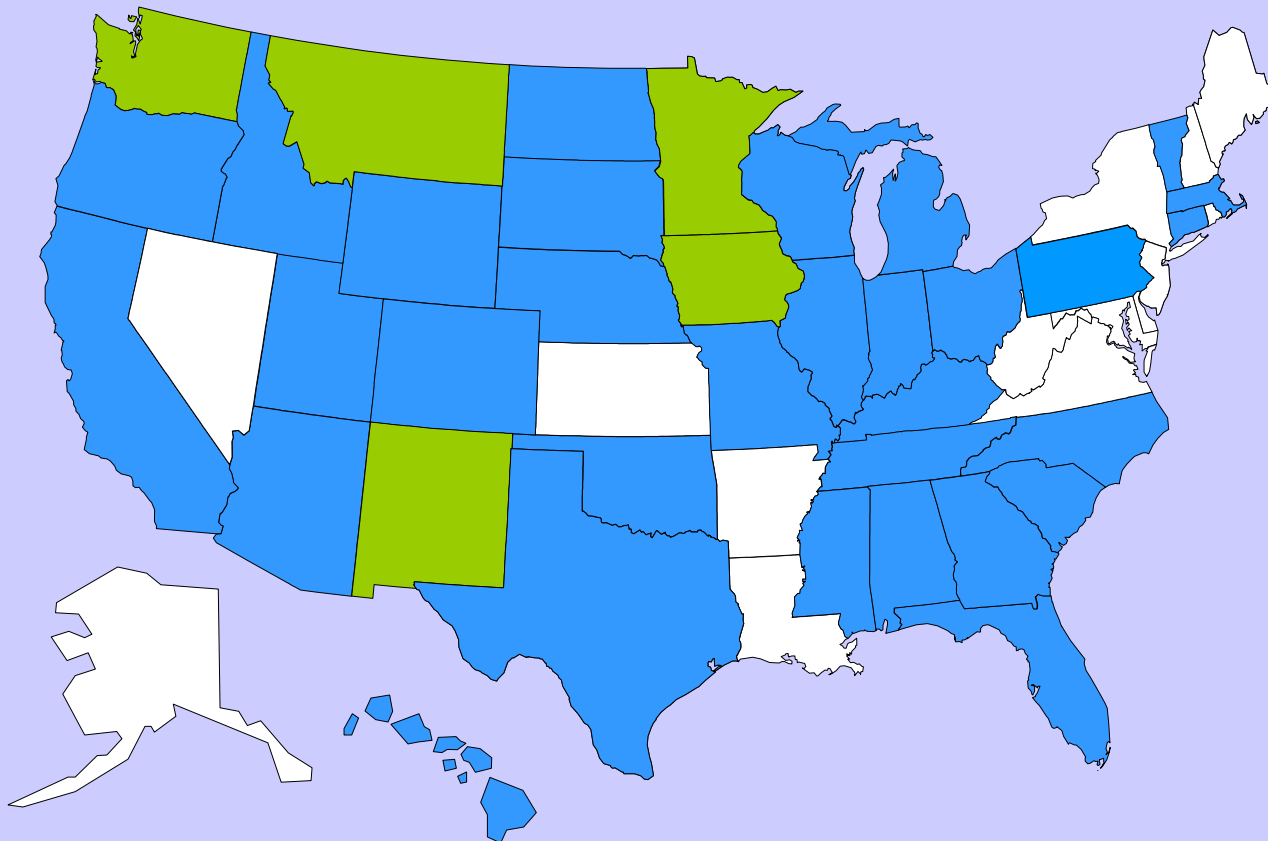


Completed Climate Action Plans

GHG Reporting & Registries



Green Pricing

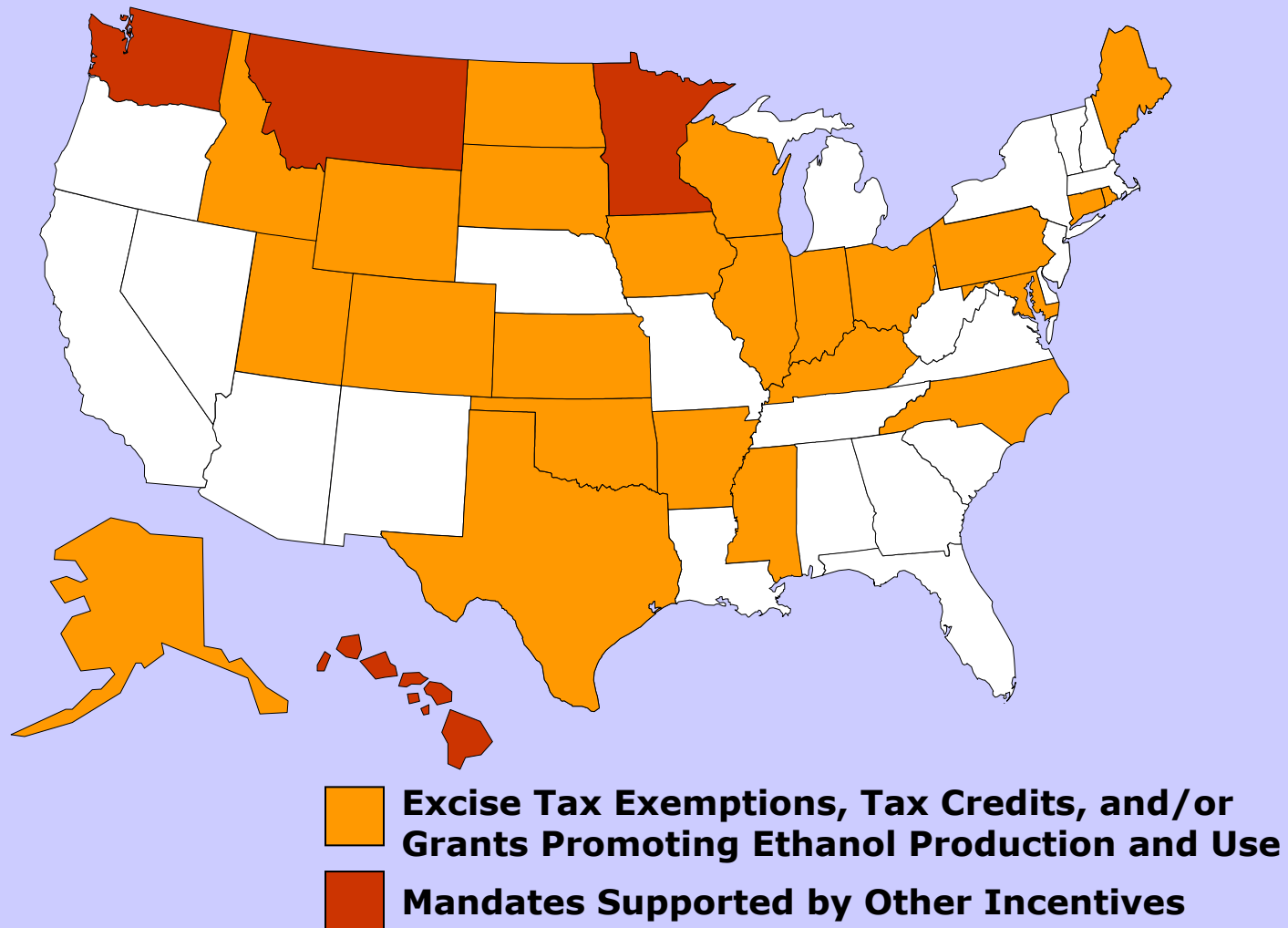


Green Pricing Programs

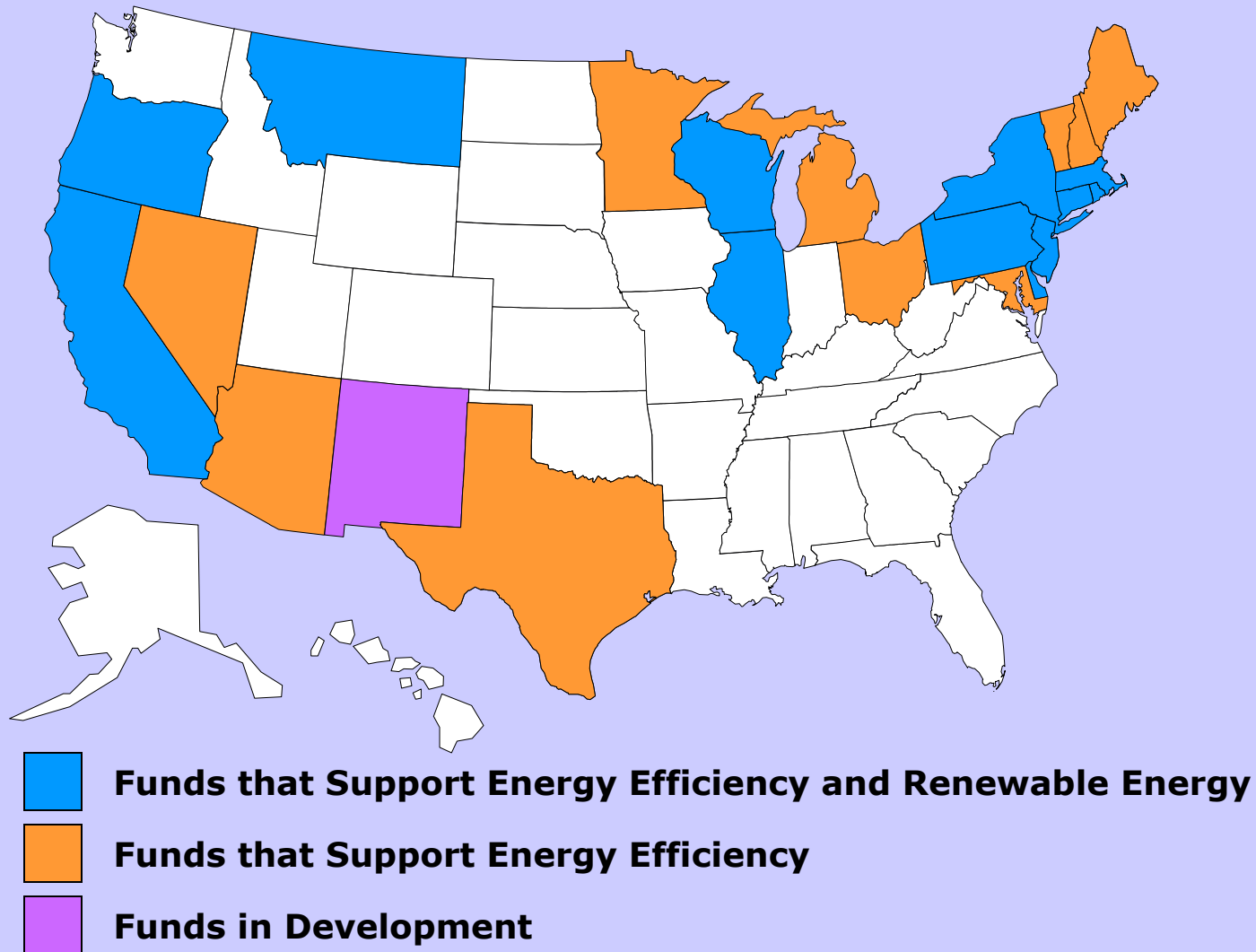


Mandatory Green Pricing Programs

Mandates and Incentives Promoting Ethanol



Public Benefit Funds



- States are leading on climate
- Achieving real emissions reductions
- States provide lessons for federal action
- Even with federal action, states will play a key role
- Trend toward regional action
- Multiple drivers, multiple benefits