

Clean Transportation

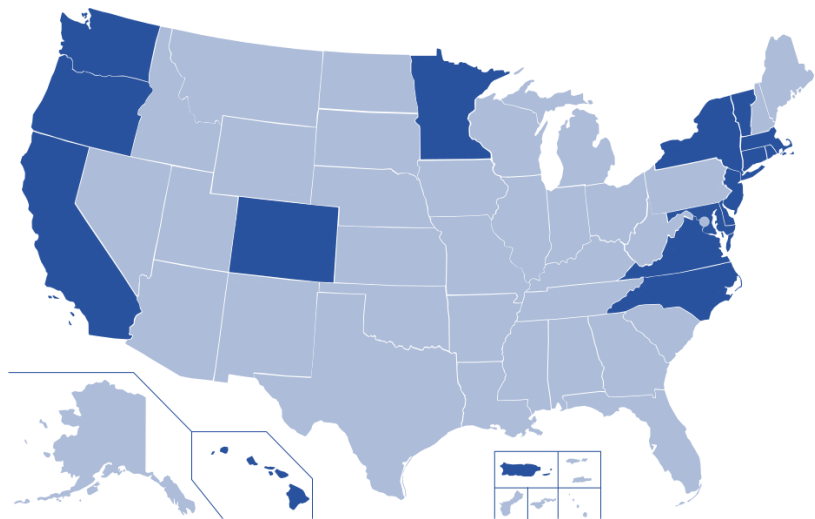
US Climate Alliance States Take the Lead

January 15, 2019



U.S. Climate Alliance

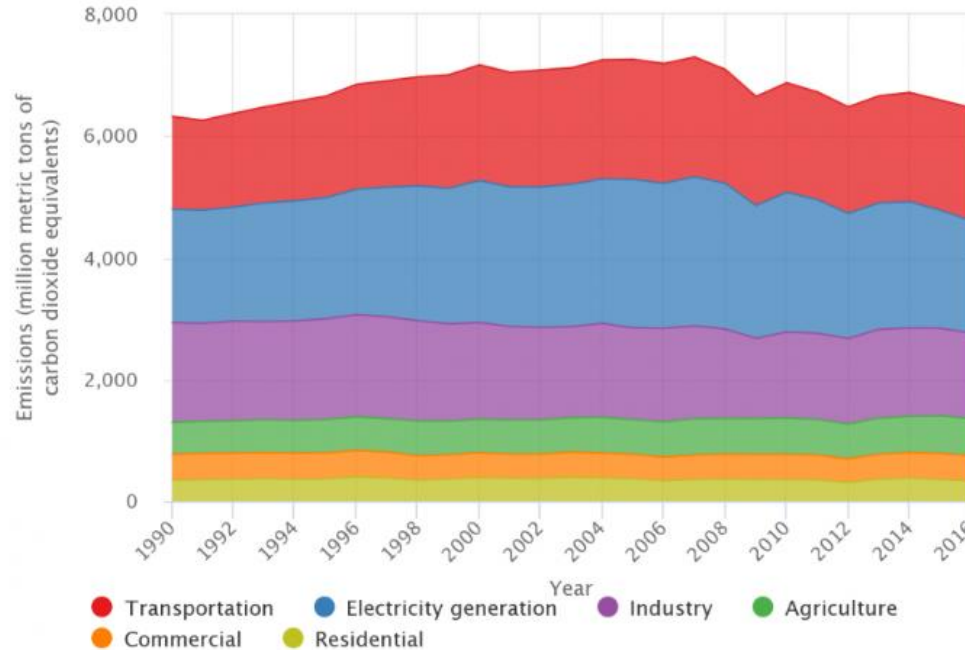
Bipartisan coalition of 17 governors cooperating to tackle climate challenge.



Alliance States commit to:

1. Reduce GHGs by at least 26-28 percent below 2005 levels by 2025;
2. Track and report progress; and
3. Accelerate implementation of existing and new policies.

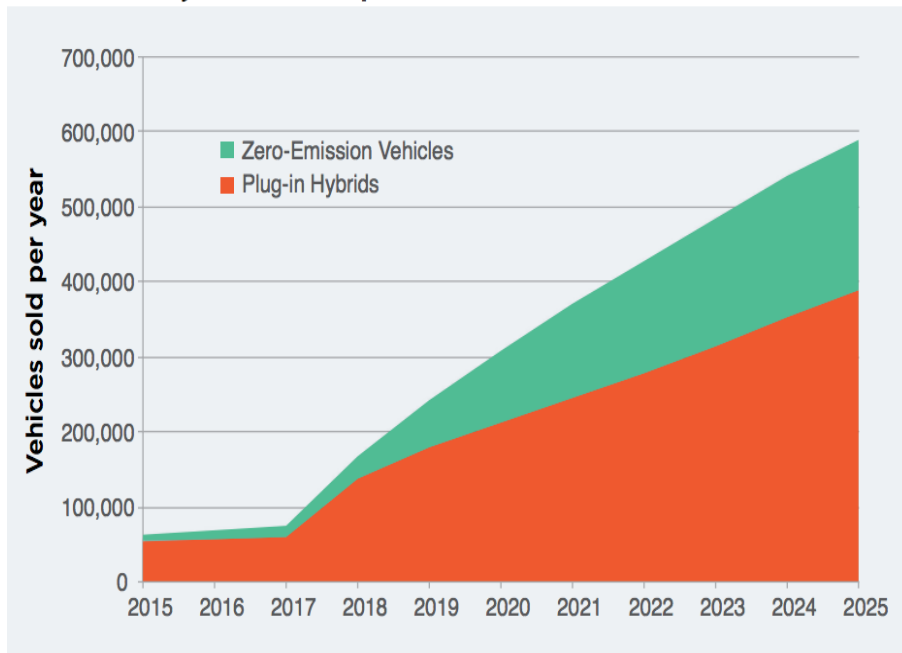
U.S. Greenhouse Gas Emissions by Economic Sector, 1990-2016



Source: U.S. EPA's Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016.
<https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks>

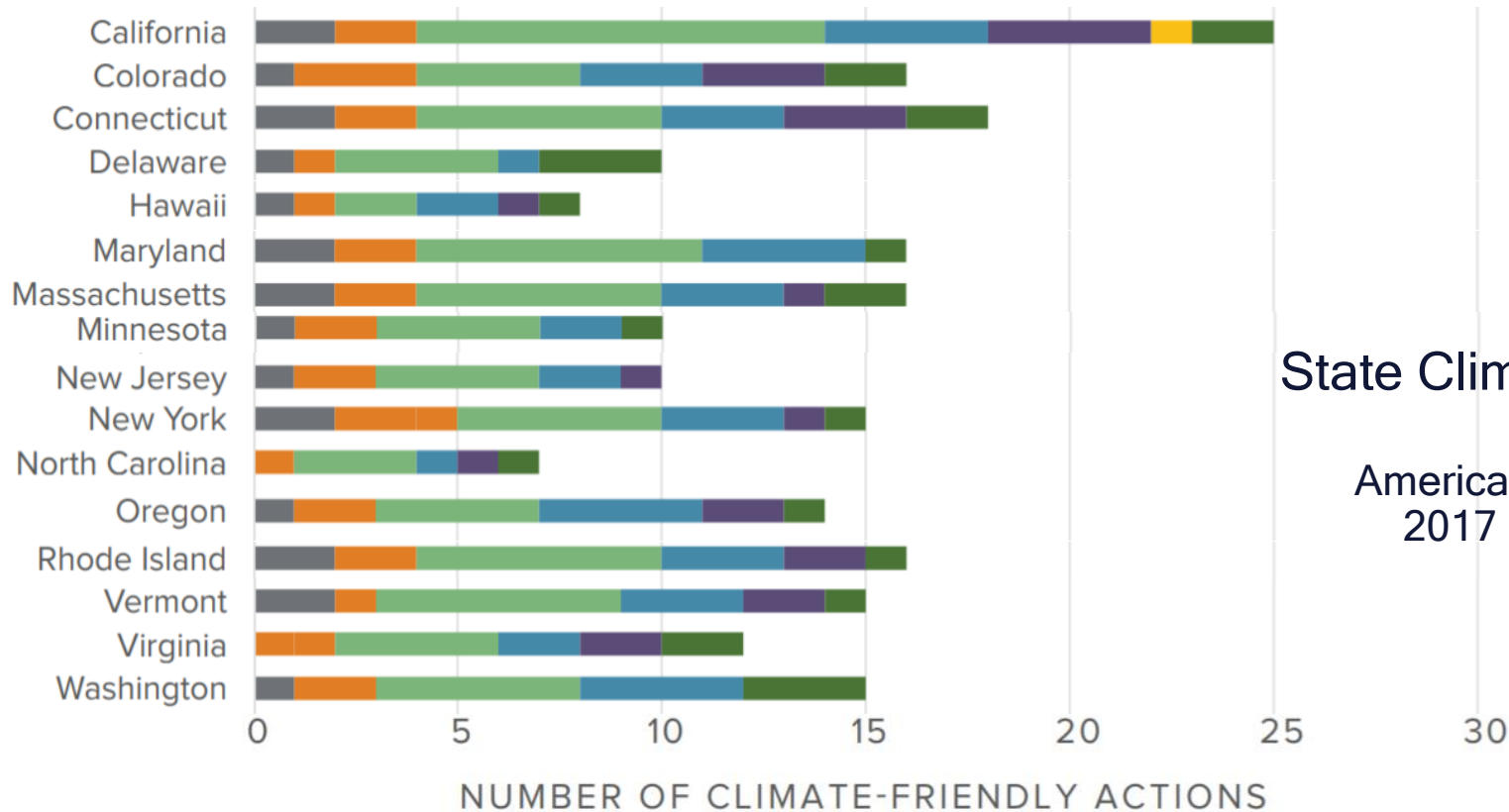
Growth of ZEVs in the United States

Projected ZEV Compliance Scenario for the MOU States

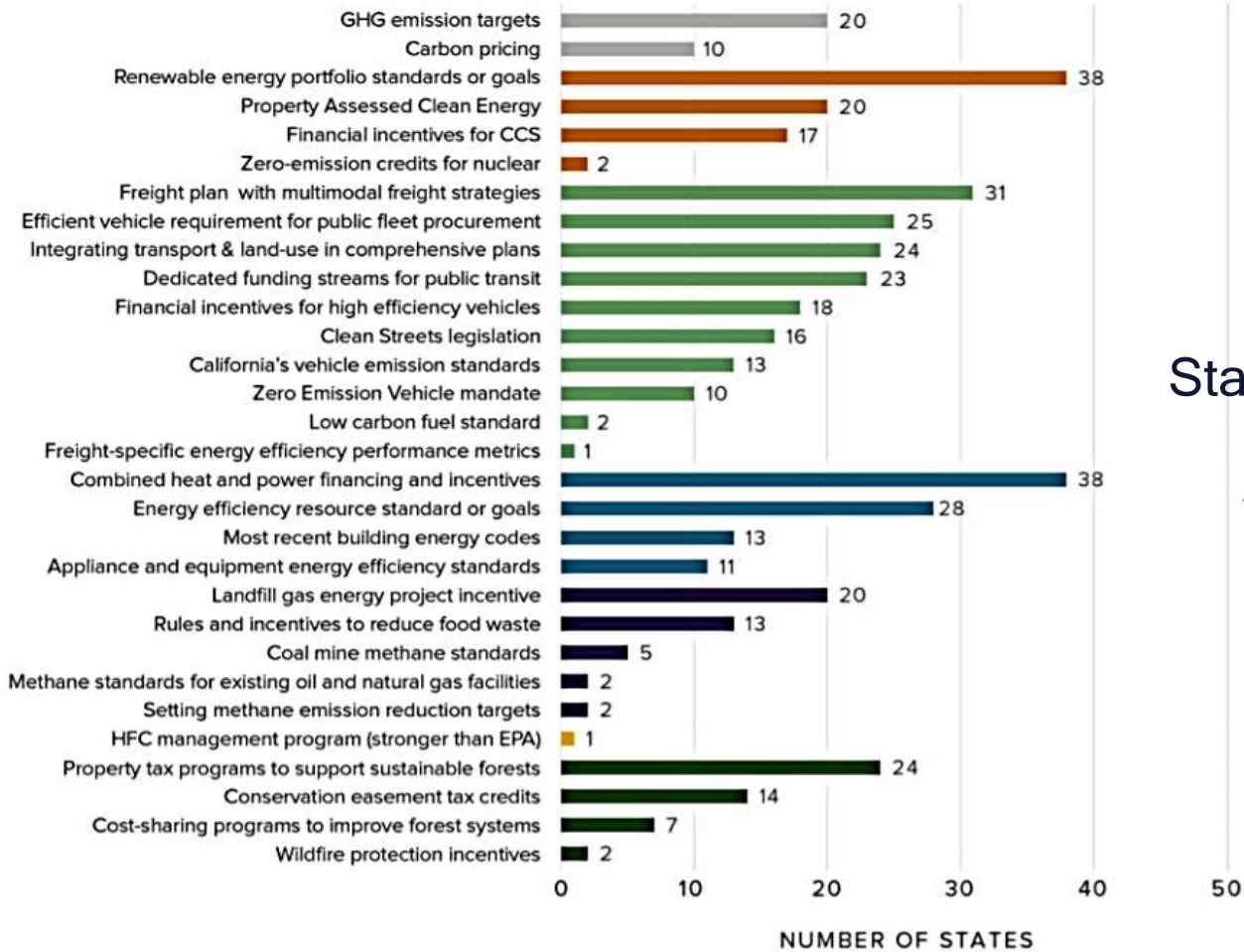


Source: (Fig 1) America's Pledge; (Table) USCA

US Climate Alliance State	ZEV Target By 2025 (unless otherwise noted)
California	5 million by 2030
Colorado	940,000 EVs by 2030
Connecticut	154,000
Delaware	
Hawaii	
Maryland	289,000
Massachusetts	302,000
Minnesota	
North Carolina	80,000
New Jersey	635,000
New York	843,000
Oregon	133,000
Puerto Rico	
Rhode Island	43,000
Vermont	35,000
Virginia	
Washington	50,000 EVs by 2020
TOTAL	4,014,000



■ GHG Target/Cap ■ Renewable/CCS/Nuclear ■ Transport ■ Energy Efficiency ■ Methane ■ HFCs ■ Forestry & Land Use

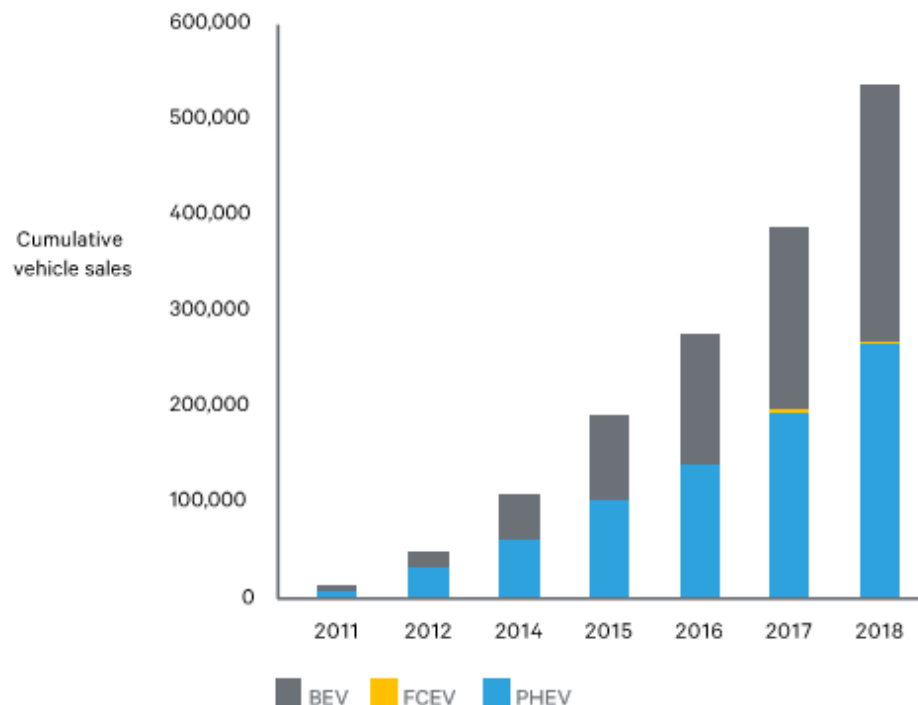


State Climate Action

America's Pledge 2017 Report

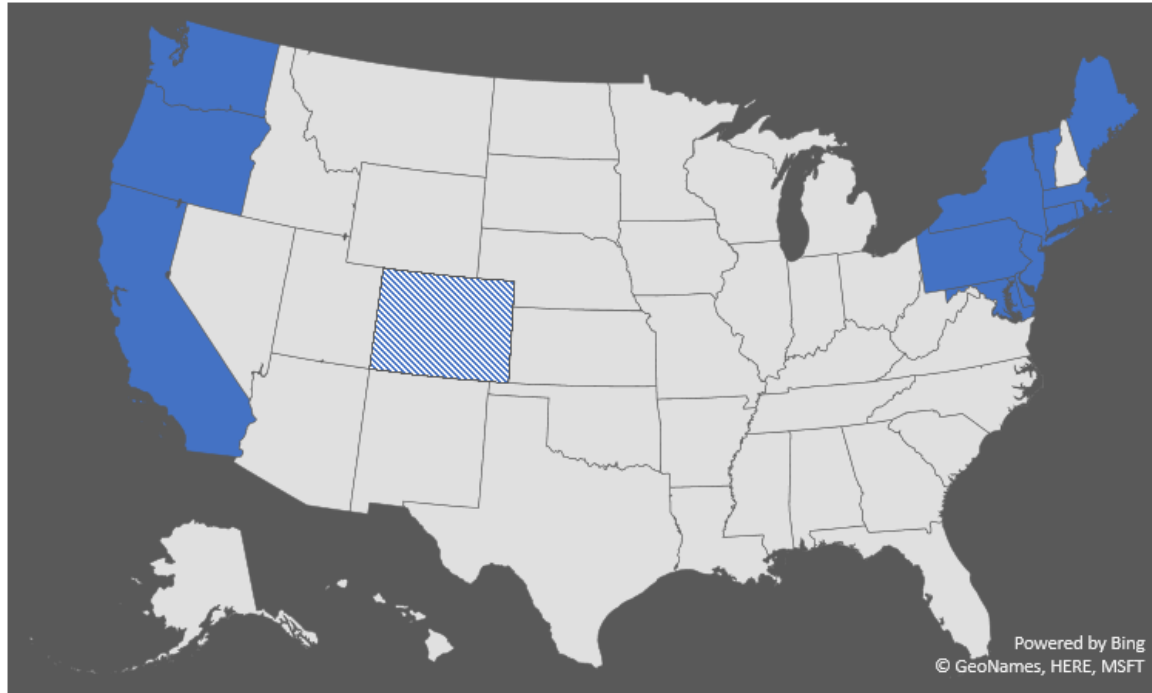
FIGURE 5 Alliance States' Growing Zero Emission Vehicle Fleet

Cumulative sales of battery electric (BEV), fuel cell (FCEV) and plug-in hybrid electric (PHEV)



SOURCE: Automotive Alliance and Rhodium's US Climate Service.

States adopting California's Section 177 Standards





LCFS

Where States are going on Transportation...

Better Understand their Path Forward

- Transportation Emissions Inventory
- Pathways Analysis
- Menu-of-Options
- Aim to Develop an Alliance-Wide Transportation Strategy
- Inform State Transportation Strategies

Where States are going on Transportation...

Work Along Four Key Pillars

- Clean Car Standards
 - Expand '177 Jurisdictions
 - Fight Federal Rollbacks of CAFE standards
- All passenger vehicle sales in our jurisdictions will be Zero Emission as fast as possible
- Zero Carbon Mobility
- Autonomous Vehicles

Where States are going on Transportation...

Share Information, Experiences, and Best Practices

- Continue engaging around key policies that are proven to reduce emissions:
 - California's vehicle emission standards
 - ZEV Mandate
 - Low-Carbon Fuel Standard or other supportive programs
 - Land-use policy changes
 - Point-of-sale ZEV incentives
 - State Leadership
 - Use of Carbon Markets to Promote Transportation
- Collaborate in deep dive workshops on high-priority issues

Impending Research Needs

Autonomous Vehicles & Planning for the 3 Revolutions



3 REVOLUTIONS
SHARED • AUTOMATED • ELECTRIC

UC DAVIS
INSTITUTE of TRANSPORTATION STUDIES

Land-use Policy & Stakeholder Integration in Land-use



Thank you

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