

# ***State and Regional Clean Energy Initiatives***

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# What States are Facing Today

- State economics
- Rising fuel prices
- Increasing greenhouse gas (GHG) emissions
- Uncertain federal regulatory environment
- Demand for energy security
- A changing automotive marketplace
- Need for infrastructure replacement and repair

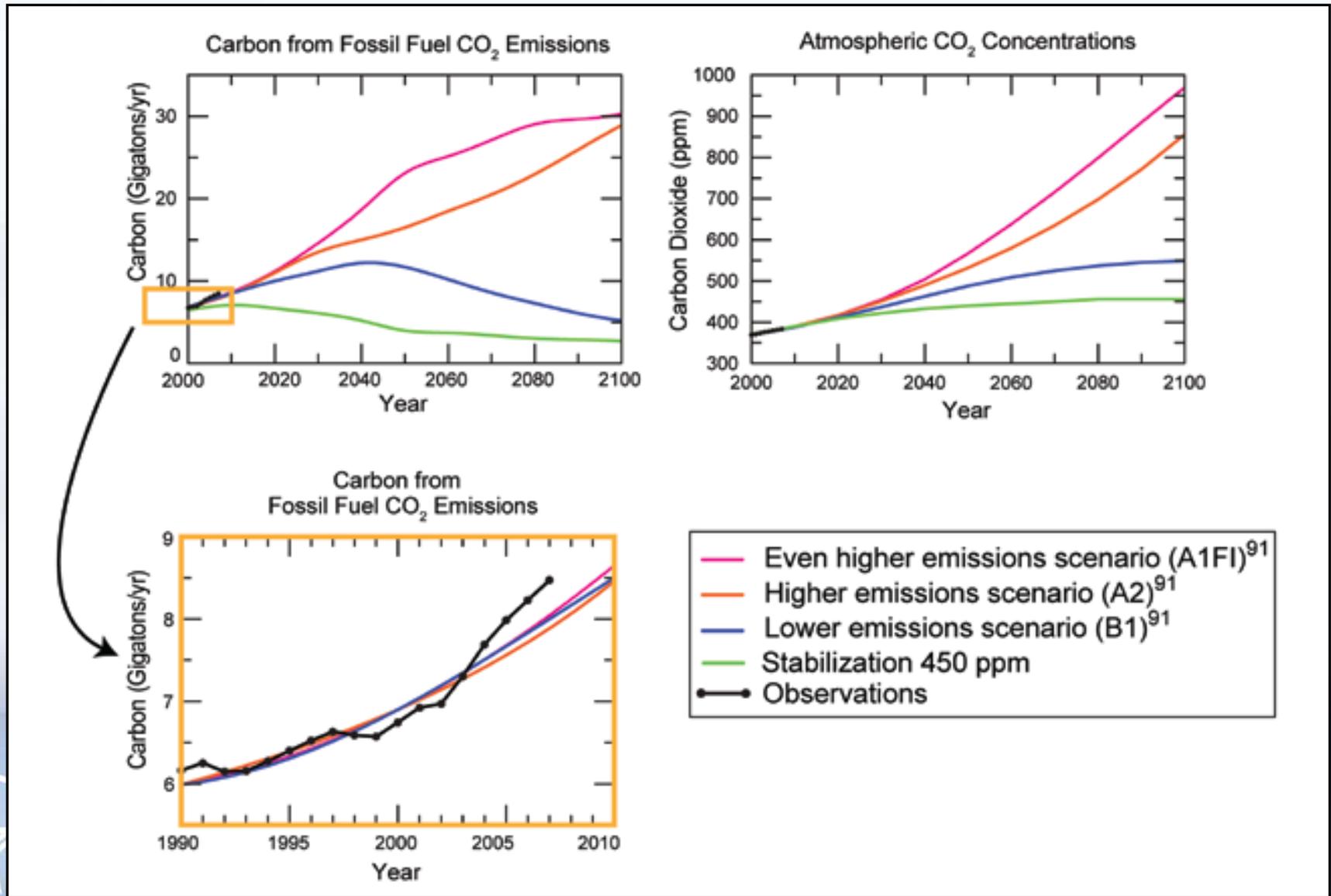


# Reasons for State Action

- IPCC and other climate change reports
- Dependence on imported oil
- Cost of gasoline
- Opportunities for green jobs/economic development



# Global CO<sub>2</sub> Emissions and Concentrations



# Priorities and Goals

- Reducing fuel consumption
- Advancing renewable fuels
- Reducing vehicle GHG emissions
- Supporting green fleets (state and local level)
- Establishing Renewable Fuel Standards (RFS)
- Exploring electric vehicles
- Increasing fueling infrastructure

# Overview of State Actions

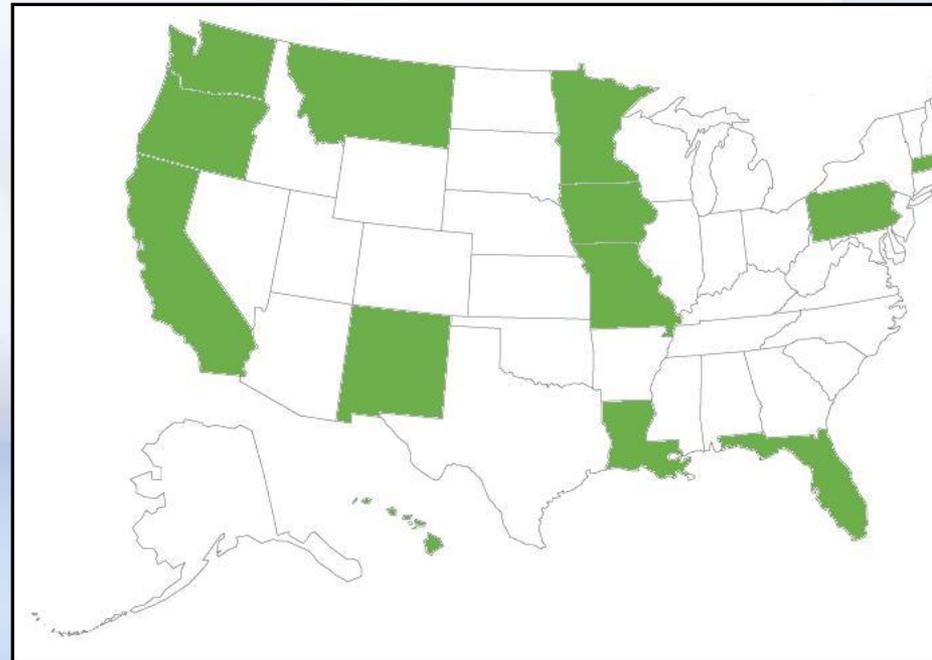
- 13 states have set a Renewable Fuels Standard (RFS)
- 35 governors in the Governors' Biofuels Coalition
- 33 states and DC have set a Renewable Portfolio Standard (RPS) or a similar goal for electricity
- Over 20 states have set CO<sub>2</sub> reduction targets
- States are taking advantage of “Lead by Example” efforts

# Regional Initiatives

- WCI – GHG emissions multi-sector cap and trade
- RGGI – CO<sub>2</sub> emissions cap and trade, power sector only
- Midwestern Governors Accord – GHG emissions reduction goal
- Southern Governors Association (under Governor Kaine until August) - exploratory

# RFS Standards and Mandates

- 13 states have set a Renewable Fuels Standard (RFS)
  - RFS programs establish a percent content of renewable fuel that refiners must introduce into a state's gasoline or diesel supplies by a certain date
- Supporting policies focus on incentives and grants for production

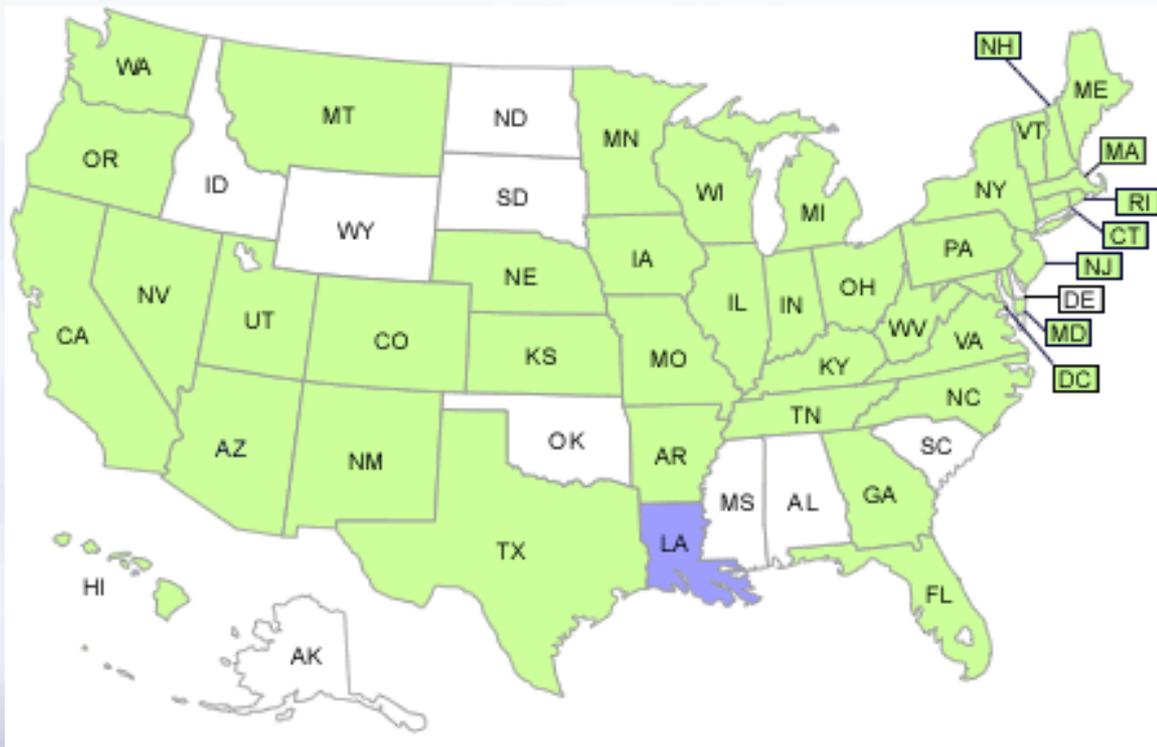


# RFS Highlights

- **Massachusetts** mandates a graduated renewable diesel requirement that reaches 5% by July 1, 2013
  - Must reduce lifecycle GHG emissions by 50%
- **Oregon** has provisions in their RFS requiring biodiesel to be produced locally in Oregon or neighboring states
- **Pennsylvania, Louisiana, and Washington** have set biofuel mandates dependent on in-state production to reach a specified capacity before blending requirements are initiated



# Energy Efficiency and Alternative Fuel Goals for Public Fleets



- Completed: 40
- In Progress: 1

# State Fleet Initiatives

- **Iowa** created a Biofuels Task Force to increase biofuels in state vehicles and increase fuel efficiency
- In **New York**, all state vehicles that can operate on E85 must do so; state agencies must use B100 for state fleets at a 10% rate by 2012; and by 2010, 100% of new state light-duty vehicles must be alternative fuel vehicles
- **North Carolina's** law requires all state agencies to develop plans to increase use of alternative fuels to achieve a 20% reduction or displacement of petroleum products used by 2010



# The National Governors Association

*Providing Governors Ideas that Work*

## **Center for Best Practices**

- Comparative policy shop
- Provides governors and staff timely technical assistance
- Securing a Clean Energy Future (2007-2008)
- Transportation and Infrastructure (2008-2009)

## **NGA's Federal Lobbying Shop**

- Builds consensus on federal issues
- Committee structure
- Gives governors a collective voice on Capitol Hill



NGA Center for  
BEST PRACTICES

# How We Work with States

- Policy Academies
- Challenge Grants
- Working Groups
- Learning Networks
- Expert Roundtables
- Meetings and Summits
- Reports and Issue Briefs



# What We're Hearing Now...

- ARRA funds
  - SEP money (plans being reviewed by DOE)
  - EECBG money (applications due today!)
- SEP plans contain a variety of policies including efforts to extend, expand, and revitalize Clean Cities
- Need to break down “silos” and improve communication between State Energy Offices, Governors’ Energy Advisors, and fleet managers

# SEP and Clean Cities

- In 2006, 23 states (and DC) used SEP money for Clean Cities
- Examples of today's plans:
  - **Florida's** E85/B20 pump conversion revolving loan program – could add 166 new alternative fuel stations
  - **Ohio's** Biofuels Beyond the Basics program seeks to expand and improve Ohio's ethanol refining capacity by providing grants to entities making progress towards second-generation refining

# Contact Information

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