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INTERNATIONAL EMISSIONS
TRADING ASSOCIATION

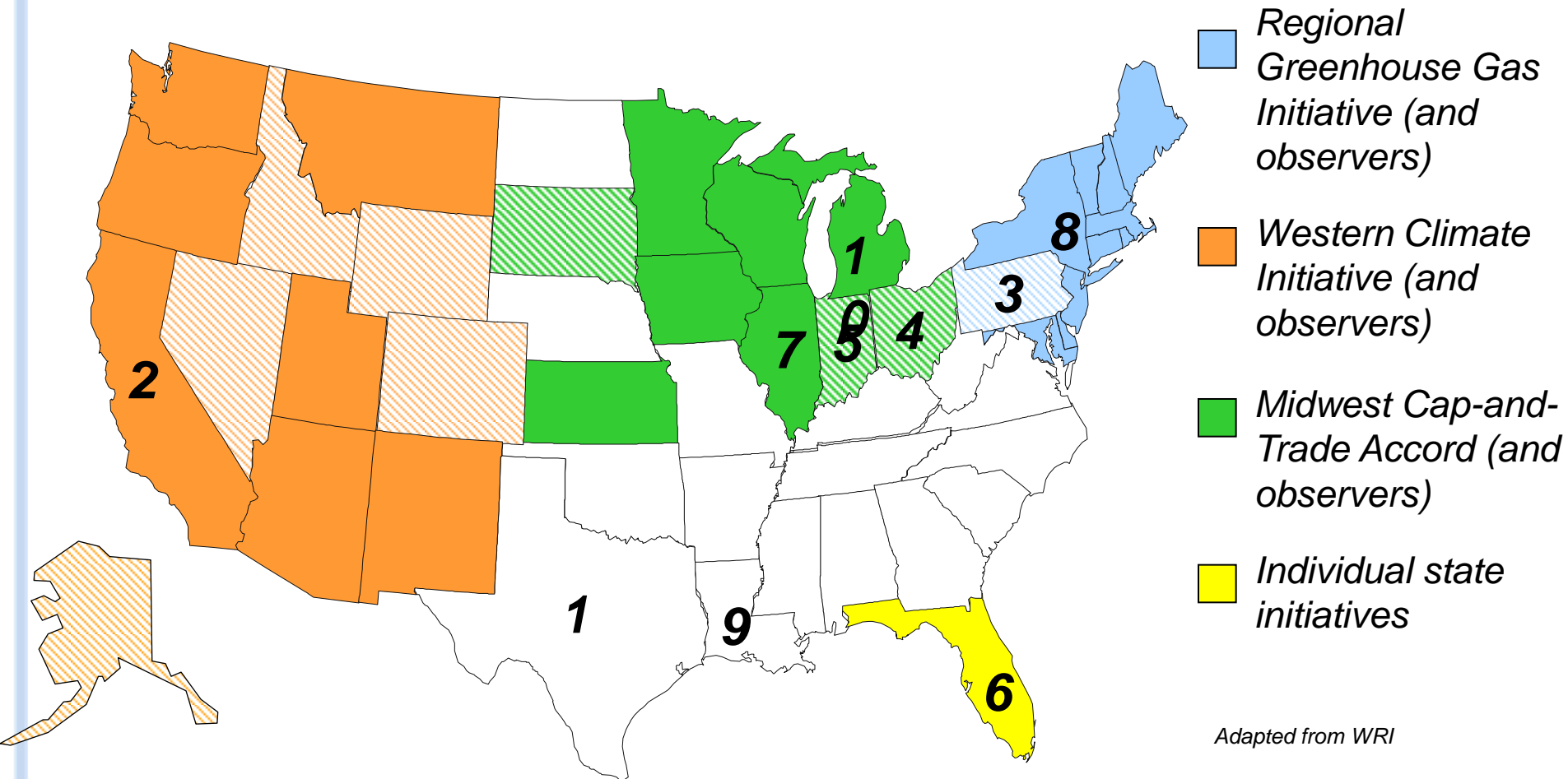
“Climate Change, Urban Mobility and Clean Tech”

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U.S Climate Change: State Policy



Adapted from WRI

▶ Numbers rank the ten biggest emitters

U.S Climate Change: Federal Policy

Congressional Action

Waxman-Markey Climate Bill

- ▶ Economy wide Cap-and-Trade Climate Bill (*passed House*)

Kerry-Graham-Lieberman

- ▶ Economy Wide Cap-and-Trade Climate Bill (being drafted)

SAFETEA-LU (Trans. Bill)

- ▶ Authorizes funding for highway and transportation projects

Administrative Action

Environmental Protection Agency

- ▶ CA Waiver: Tailpipe Emissions
- ▶ Renewable Fuels Standard (“RFS”)
- ▶ Drafting regulations for major stationary sources of GHG emissions

U.S Department of Agriculture

- ▶ Grants/Assistance for ghg offsets and renewable fuels

U.S Department of Transportation

- ▶ CAFE Standards: Fuel Economy StandardsT
 - ▶ TIGGER GRANTS
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Transportation & Climate: State Level

- ▶ **California's Cap-and-Trade**
 - ▶ Covers Fuel Deliverers over 25,000 MTCO₂e
 - ▶ Complementing California's Low Carbon Fuel Standard
 - ▶ Possible options for calculating surrender options:
 - ▶ Net Carbon Content of Fuel/ Combustion/Lifecycle analysis

- ▶ **Metropolitan Planning Organizations (MPOs):**
 - ▶ HOV Lanes
 - ▶ VMT
 - ▶ Holistic Planning

Transportation & Climate: Federal Level

- ▶ **Corporate Average Fuel Economy Standards (CAFE)**
 - ▶ 35 miles per gallon (mpg) by 202
 - ▶ U.S EPA test and assess standard
- ▶ **CA Waiver/Vehicle Tailpipe Emissions**
 - ▶ 30% below the emissions of 2002 fleet in 2016
- ▶ **Renewable Fuels Standard (“RFS”)**
 - ▶ Requires the use of 9.0 billion gallons of renewable fuel in 2008, increasing to 36 billion gallons in 2022. To classify renewable fuels under the RFS, the U.S. EPA must calculate the lifecycle emissions of each fuel relative to gasoline or diesel fuel

What is Being Assessed.....

- ▶ **Technology Specific versus Goal Setting:**
 - ▶ *Technology Specific (very small percentage of policy)*
 - National High Speed Rail
 - Specific Grants
 - ▶ *Goal Setting (majority of policy)*
 - Tail Pipe Emissions
 - Corporate Average Fuel Economy (CAFE) Standard
 - Low Carbon Fuel Standard (LCFS)
 - Renewable Fuels Standard (RFS)

Who Does the Assessing....

- ▶ **U.S EPA and U.S Department of Transportation**
 - ▶ Testing CAFE Standards
 - ▶ Transit/Highway Project Approval
- ▶ **State Level Departments of Transportation**
 - ▶ State-wide Rail Plans
 - ▶ Distribute Federal Dollars
- ▶ **Metropolitan Planning Organizations**
 - ▶ Urban Planning
 - ▶ Implementation/Site Approval