



25x'25

**AMERICA'S
ENERGY FUTURE**

Biobased Industry Outlook Conference

**November 6, 2007
Ames, Iowa**





25x'25 Initiative:

- Renewable energy initiative born in the ag and forestry sectors
- Supported by the Energy Future Coalition
- Seeks to forge consensus on a new energy future
- Focuses on economic, national security and environmental benefits



Our Vision:

By the year 2025, America's farms, ranches and forests will provide 25 percent of the total energy consumed in the U.S. while continuing to produce safe, abundant and affordable food, feed and fiber.

25x'25



We will meet this goal by:

- Producing transportation fuels
- Harnessing wind energy
- Converting biogas emissions
- Capturing solar energy
- Providing biomass for generating heat and power



According to the University of Tennessee, the 25x'25 renewable energy vision will:

- create 5 million new jobs
- boost economic activity by \$700 billion
- reduce global warming emissions
- decrease reliance on foreign oil
- strengthen our national security



By 2025, America's farms, forests and ranches can annually produce:

- 86 billion gallons of ethanol
- 1.1 billion gallons of biodiesel
- 932 billion kwh of electricity
- 15.45 quads of energy from biomass



What's in it for ag and forestry?

- Increased farm income
- Added value uses
- Alternative enterprises
- More productive uses of marginal lands
- Assist in resolution of air, water and soil quality problems
- Reduced reliance on government payments
- Enhanced rural economies



What's in it for the Nation?

- Enhanced national security
- Improved environment
- Revitalized economy



Over 600 partners

- American Farm Bureau Federation
- National Corn Growers Association
- Forest Landowners Association
- National Education Association
- Deere & Company
- “Big 3” Automakers – Ford, Chrysler and GM
- American Wind Energy Association
- National Wildlife Federation
- Natural Resources Defense Council

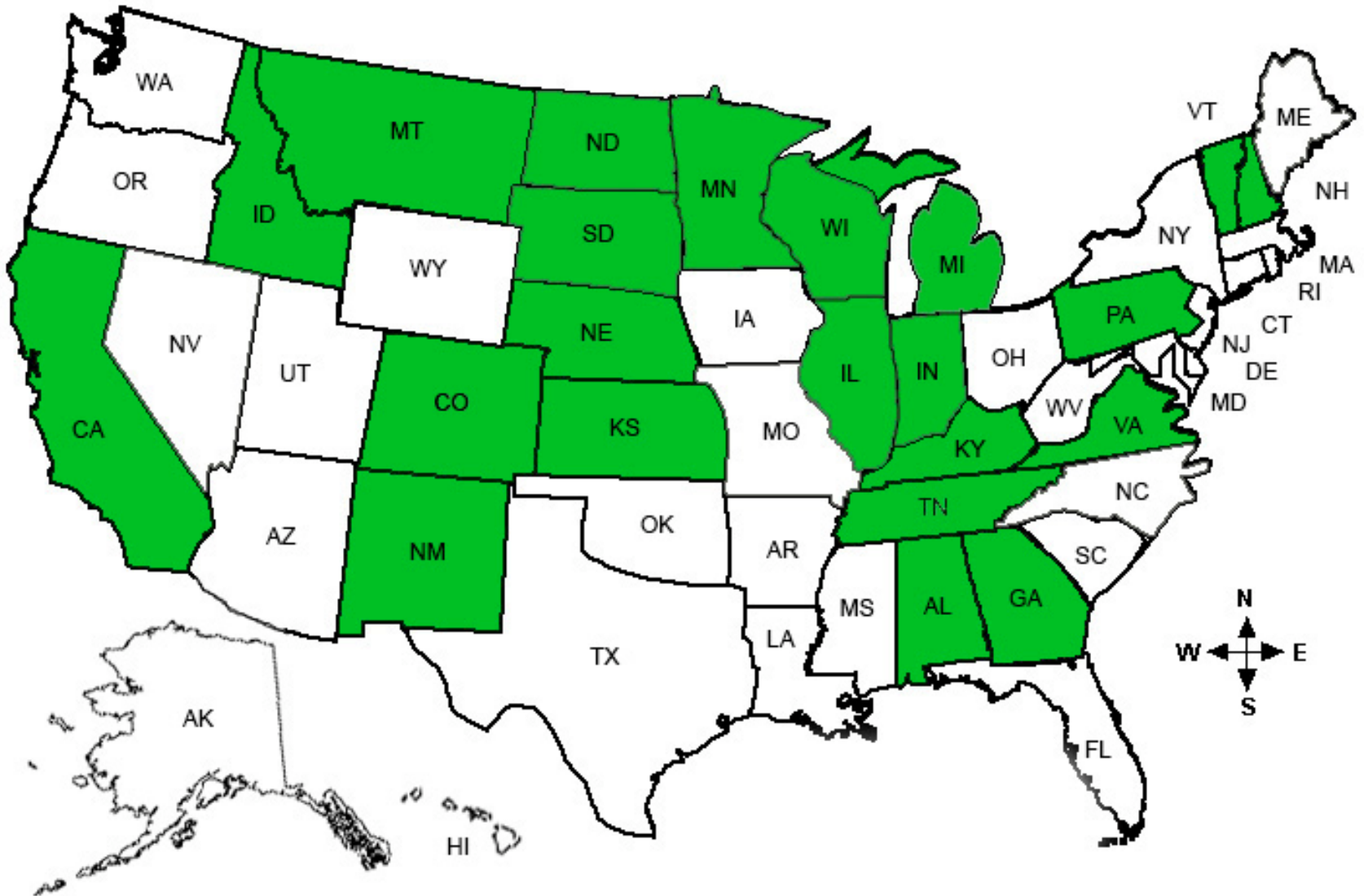


Iowa Partners

- Ag Ventures Alliance
- Consumers Energy
- Horan Bio Production
- Iowa Central Community College
- Iowa Farm Bureau Federation
- Iowa Institute for Cooperatives
- Iowa Soybean Association
- Ag Ventures Alliance
- Soy Energy, LLC
- Sukup Manufacturing Co
- Vermeer Manufacturing



Governors' Endorsements



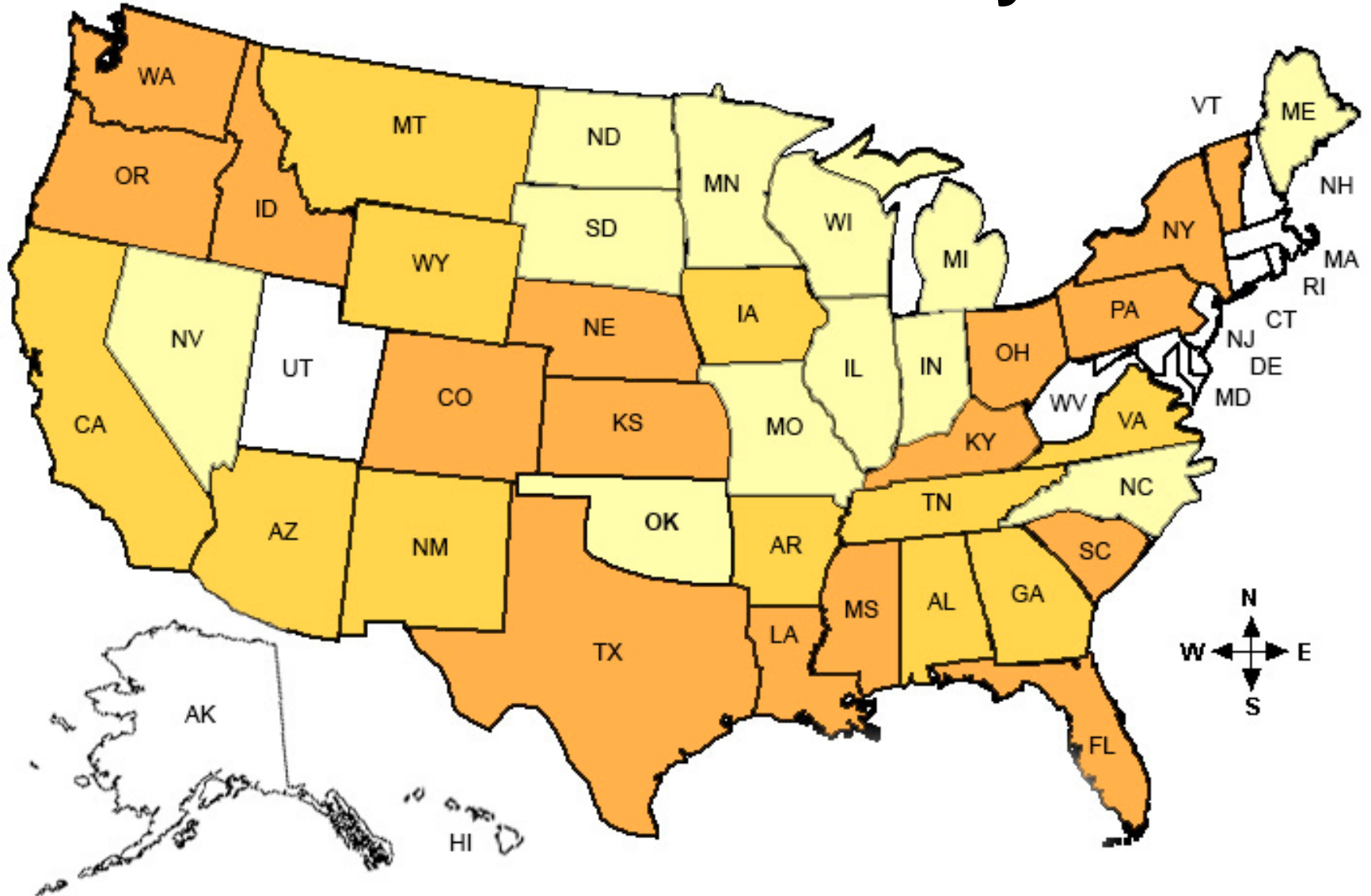


Congress has adopted the 25x'25 vision as a national goal

- Senate: adopted S. Con. Res 3 on June 15, 2007
- House: adopted H. Con. Res. 25 on October 15, 2007



All Alliance Activity

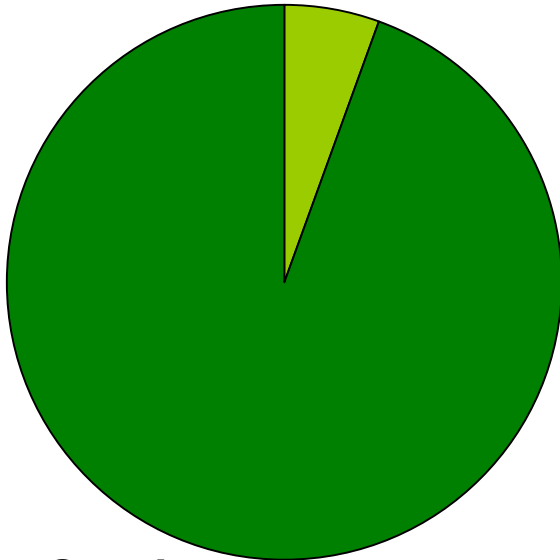




Getting to 25x'25

2004

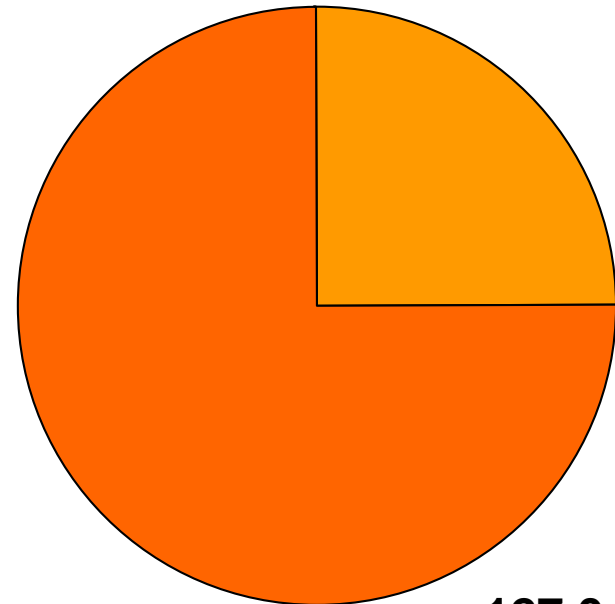
**5.74 Quads
Renewable Energy**



**99.7 Quads
Total Energy
Consumed**

Goal (2025)

**31.7 Quads
Renewable Energy**



**127.0 Quads
Total Energy
Consumed**



Policy Tools:

- Implementation strategy
- Guided by “yes—if” principle
- “Whats” and “hows” to get to 25x'25
- 25x'25 Action Plan: Charting America's Energy Future- released Feb. 28th



35 Recommendations- Five Areas of Focus

- Increasing production
- Delivering Energy to Markets
- Expanding Renewable Energy Markets
- Improving Energy Efficiency and Productivity
- Strengthening Conservation of Natural Resources and the Environment



Increase Energy Efficiency

- Energy efficiency always should be America's highest-priority energy resource and the energy option of first choice



Increase Production

- \$808 million in new funding for RD&D
- Transition payments for conversion of land to energy-crop production
- Fully fund loan guarantee and biorefinery grant programs
- Increase and expand:
 - PTC-extend for 10 years at 1.9 cents/kwh
 - CREBS- extend for 5+ years at \$1B/year



Delivery Energy to Markets

- Conduct a comprehensive infrastructure needs study/develop recommendations
- Expand tax credits for E85 pumps grant program for E85 corridors
- Require open and inclusive regional transmission planning processes
- Fund upgrades and additions to the grid
- Establish compatible interconnect standards



Expand Markets

- Ensure 50% of registered vehicle in 2012 are flex-fueled
- Increase federal government purchases of renewable electricity to 25% in 2025
- Increase federal funding for battery development for plug-in hybrids
- \$250 M to fund a cellulosic biofuel reverse auction program (1 B gallons by 2015)



Enhancing the Environment

- Create a Feedstock Residue Management Program
- Increase funding for EQIP, CSP and other private lands conservation programs
- Adequately fund conservation technical assistance and extension programs
- Expand investment tax credits for conservation improvements



25x'25 Action Plan will:

- Correct energy market rules and prices
- Generate \$700 billion in economic activity annually
- Create 4-5 million jobs
- Reduce carbon dioxide emissions by one billion tons annually

All for only an investment equal to 5 % of what America spent on imported oil in 2006.



Phase IV Activities

Core Mission:

- Keep partners connected and informed
- Maintain momentum and visibility
- Create and help strengthen state alliances
- Engage candidates for public office on the need to embrace a 25x'25 energy future

CON'T.



- Facilitate national partner dialogue and planning around important renewable energy transition issues
- Establish an information clearinghouse and a public education campaign



The 25x'25 Vision:

- Is achievable
- Provides a positive impact on the national and rural economies
- Reduces our reliance on foreign oil and improves national security
- Creates important environmental benefits



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www.25x25.org