

25x'25 - America's Energy Future

Southeast Diesel Collaborative Biofuels: Reducing Emissions and Increasing Economic Development

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Bringing the Vision to Life

25x'25: A National Alliance

- Operates as an autonomous project of the Energy Future Coalition
- Organized to explore agriculture and forestry's role in America's energy future
- Evolved to now include conservation, environment, business, defense and rural development organizations and leaders



America's Mega Challenges

National Security



Economic Recovery



Environmental Improvement



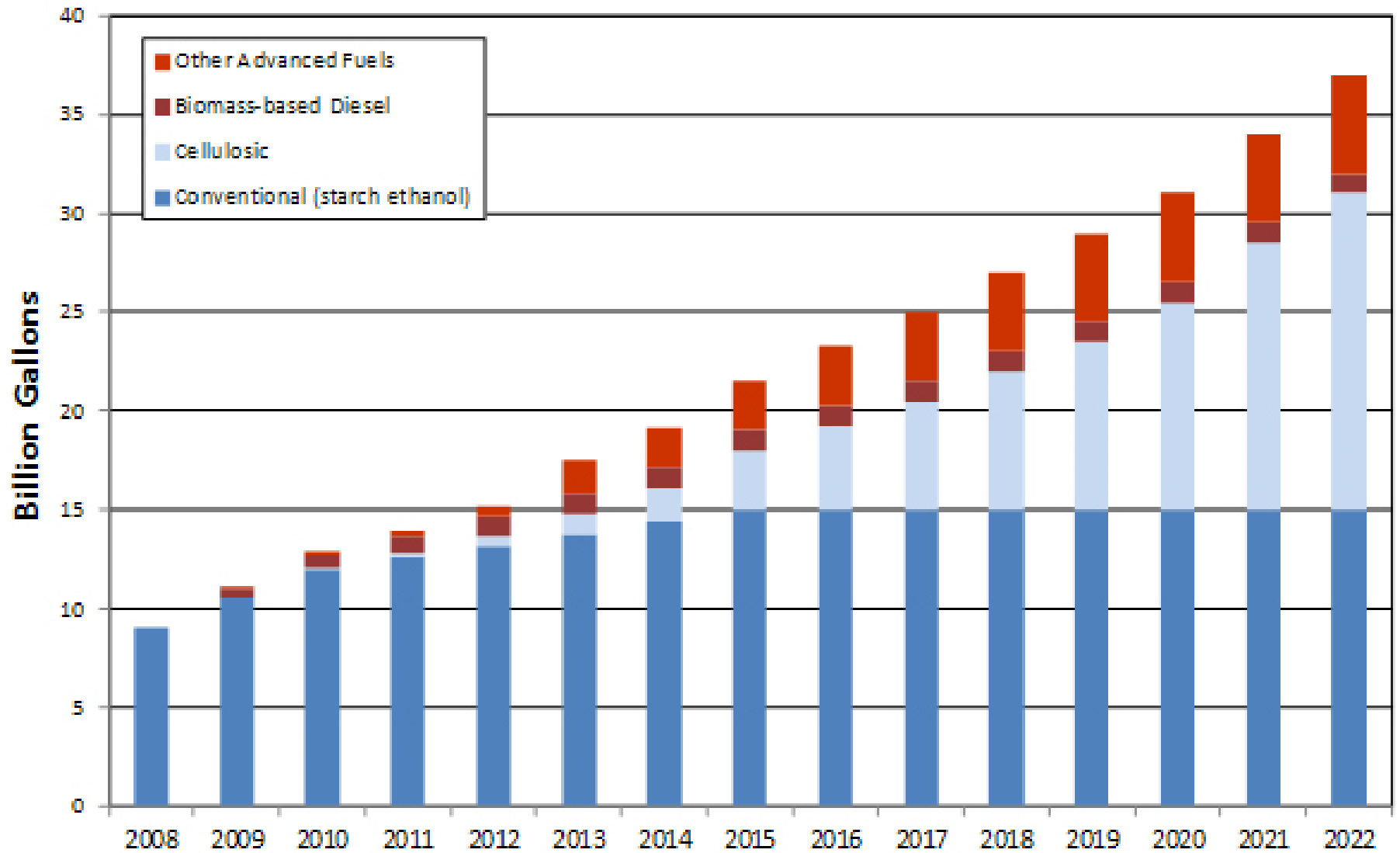
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Renewable Fuel Standard

- Enacted in 2005 and strengthened in 2007
- Sets pathway for increased use of biofuels – up to 36 billion gallons by 2022
- Eligible biofuels are defined by their lifecycle greenhouse gas (GHG) profile
- “Renewable biomass” definition places limits on the feedstocks that can be used



Renewable Fuel Standard Volumes by Year



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Benefits of the RFS2

Congress increased the use of renewable fuels to:

- Reduce dependence on foreign sources of oil;
- Reduce the risk of investing in biorefineries;
- Reduce price of transportation fuels;
- Reduce greenhouse gas emissions; and
- Increase U.S. farm income and rural economies.



Biofuels Climate Benefits

- Biodiesel has a GHG reduction of 57-86% as compared to fossil diesel.
- ANL research indicates corn-ethanol has a “well-to-wheels” GHG reduction of 44% and cellulosic ethanol of 85-95%.
- Latest ISU study showing that by 2022 corn ethanol will achieve a 60% reduction in GHG emissions compared to gasoline.
- Biofuels displace PAH and reduce PM & VOCs



Other Benefits of Biofuels/RFS2

- Public Health – reduce tailpipe carcinogens
- Research – Global leadership in technology
- Economic Impact –
 - Biodiesel - \$16.8B in 2013;
 - Ethanol - \$44B in 2013
- Job creation -
 - Ethanol – 86K direct, 87K indirect, 213K induced
 - Biodiesel – 15K direct, 47K indirect/induced
 - Advanced biofuels – could create 800K by 2022



EPA 2014 RVO Proposal

RFS Volume Comparison (in billions of gallons)

	Statutory 2013 RVO	Final 2013 RVO	Statutory 2014 RVO	Proposed 2014 RVO
Cellulosic biofuel	1.0	.006	1.75	.017
Biomass-based diesel	No less than 1.0	1.28	No less than 1.0	1.28
Advanced biofuel	2.75	2.75	3.75	2.2
Conventional ethanol	13.8	13.8	14.4	13.01
Total Renewable Fuel	16.55	16.55	18.15	15.21



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Challenges to the RFS2 Goals

- Higher blend certification
- Lack of fueling infrastructure
- Pushback from competing industries
- Loss of FFV production credits
- Slow advanced biofuels deployment
- Questions on sustainability

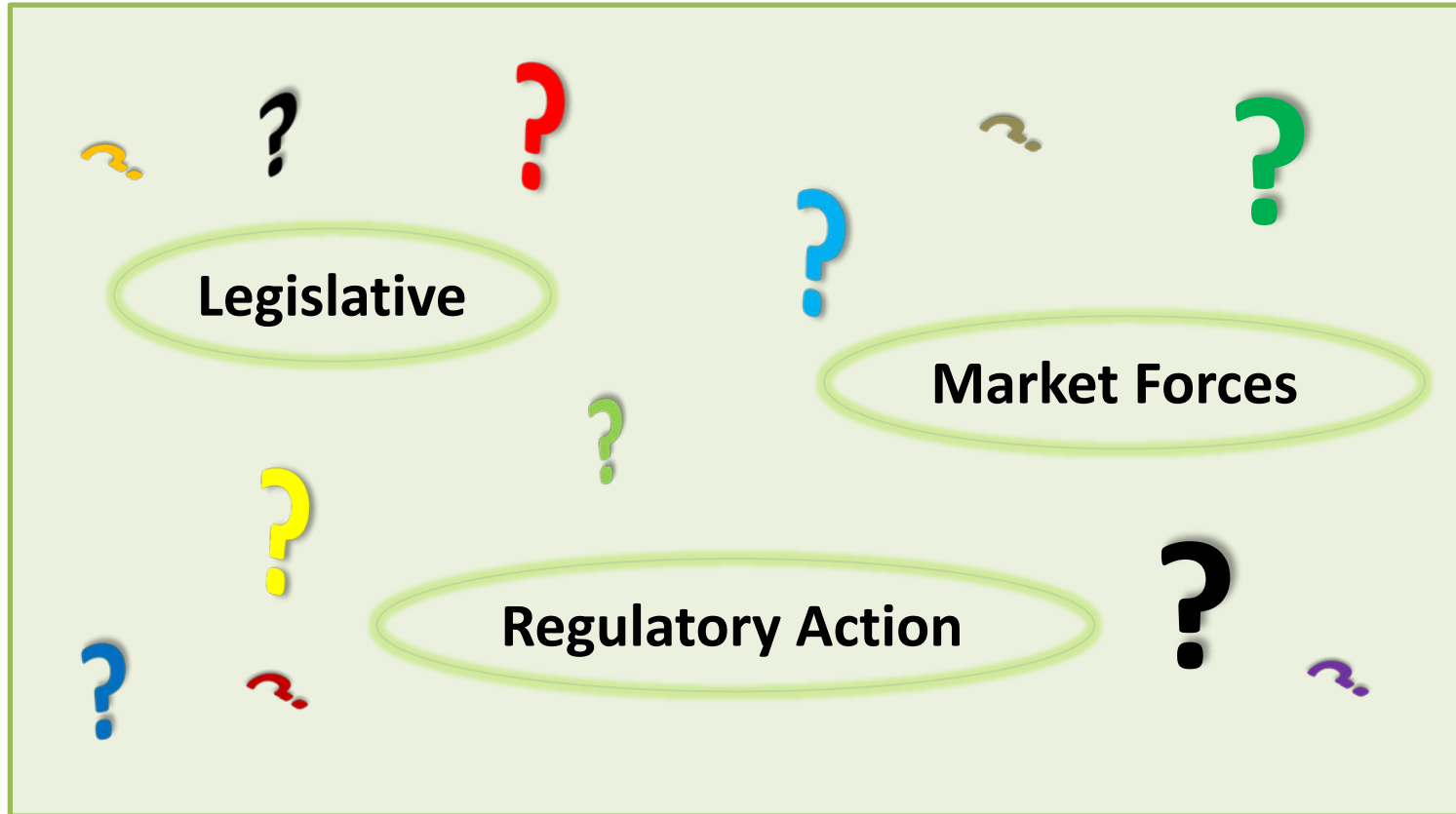


RFS2 Policy Connections

- EPA Biogenic Carbon Accounting Framework
- Clean Power Plan (111d Rule)
- Climate Action Plan
- Farm Bill (Commodity; Energy; Rural Dev.)
- CAFE Standards/Tier 3
- Public Health Considerations
- National/Energy Security



Solution Pathways



In Summary

“Rolling back our national commitment to a more diversified liquid transportation fuels sector would not only send the wrong the message to the biofuels industry and hinder job creation across the country, but also block Louisiana from attracting additional jobs in the energy sector – a sector in which this state has always been – and should always be a leader in.”

Dr. Mike Strain

Louisiana Commissioner of Agriculture



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