



Energy From Agriculture:

New Technologies, Innovative Programs & Success Stories

December 14-15, 2005



St. Louis, Missouri

Farm Foundation

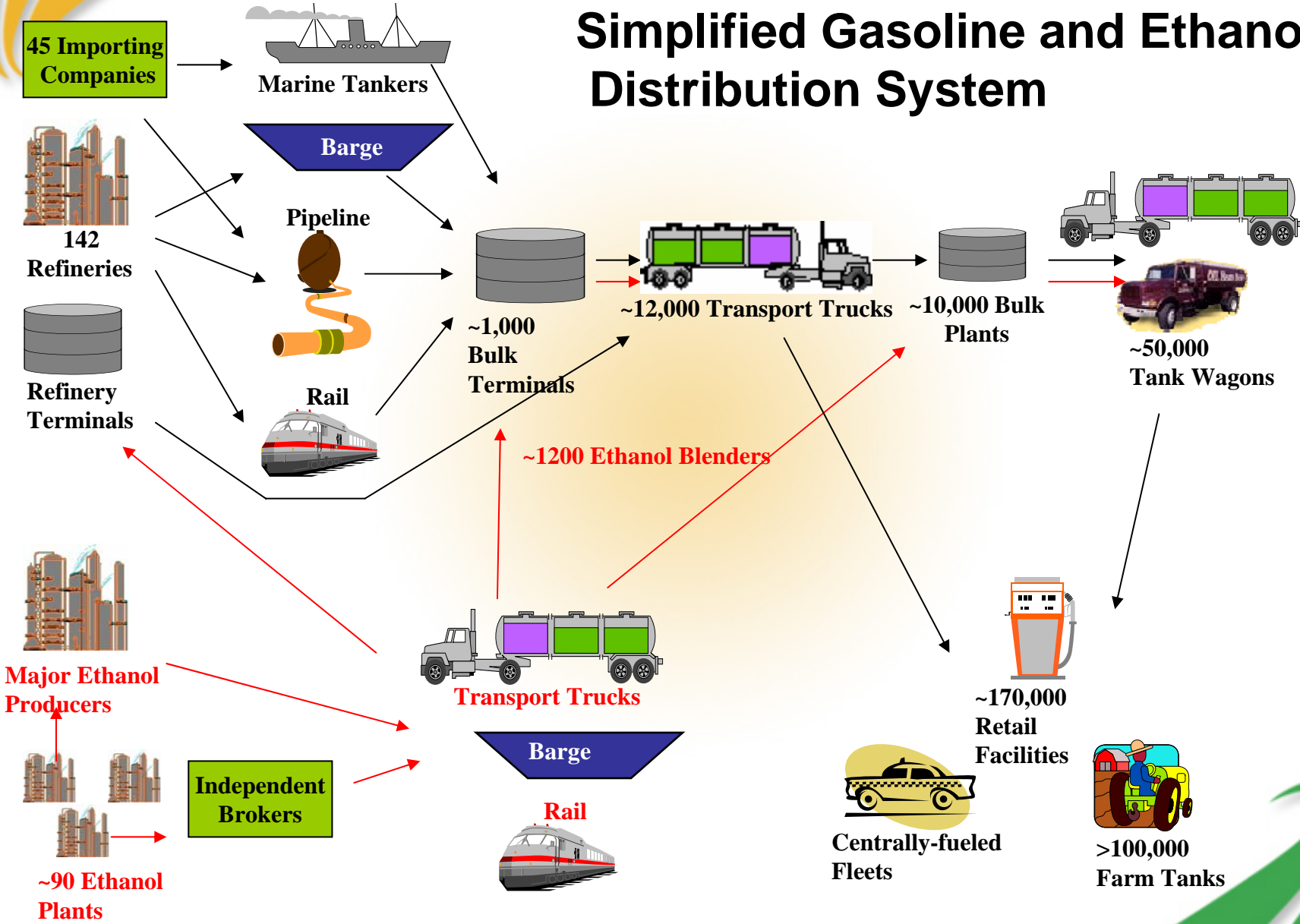


**USDA's Office of Energy
Policy and New Uses**

 **NRCS**




Simplified Gasoline and Ethanol Distribution System






Renewable Fuels Standard (RFS) Comprehensive Rule


- Have started discussions with oil and renewable industry stakeholders
 - Who is liable?
 - Who will generate the credits?
 - How to no double counting of credits?
 - How will we account for...
 - Exported and imported ethanol
 - Cellulosic ethanol
 - Biodiesel and other renewables
 - 12 month credit life and deficit carryover provisions
 - Ethanol blended by exempt small refineries
 - Will need to bridge the gap between various stakeholder interests
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National Clean Diesel Campaign- Voluntary Programs

Goal: Reduce emissions in the legacy fleet of more than 11 million diesel engines by 2014.

- Focus on 5 sectors- agriculture, construction, school buses, ports and freight
 - Program Activities:
 - Technology verification
 - Providing technical and policy analysis
 - Coalition building, education and outreach
 - Establishing projects through grant competition
 - Accomplishments
 - Nearly 200,000 engines have been retrofitted
 - 20 States (and DC) are using ultra-low sulfur diesel (ULSD) before mandated
 - More than 500 NCDC partners
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Renewable Fuels and the NCDC

- Technology Verification
 - Biodiesel is listed as a verified technology for reducing emissions
 - Biodiesel calculator will give specific emissions reductions for particular fuels
 - Recommend using biodiesel that conforms to American Society of Testing and Materials (ASTM) D 6751 specifications
 - Biodiesel Demonstration Projects
 - Examples include demonstration testing on the effectiveness of a fuel additive to reduce NOx emissions with biodiesel and several projects using biodiesel with municipal, private and construction fleets
 - Future Funding Opportunities
 - NCDC grants (\$5 million for 2006)
 - Diesel Emissions Reduction Act (DERA) in the Energy Bill (\$1 Billion authorized)
 - Congestion Mitigation and Air Quality (CMAQ) funds in the Transportation Bill (\$1.4 billion/yr. for 6 years)
 - For more information on the NCDC, see: <http://www.epa.gov/cleandiesel/>
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