



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**






2002 FARM BILL

TITLE IX: ENERGY

Funded Authorities:

- Sec. 9002: Biobased products.
 - Sec. 9004. Biodiesel fuel education program.
 - Sec. 9006. Renewable energy & energy efficiency.
 - Sec. 9008. Biomass R&D.
 - Sec. 9010. Bioenergy Program.

 - Unfunded: Sec. 9003, Sec. 9005, Sec. 9007, Sec. 9009.
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SECTION 9002: BIOPRODUCTS PROCUREMENT INITIATIVE

- Establishes Government-Wide Preference for Biobased Products
- USDA Has Developed Procurement Model: Identify Functional Areas & Certified Biobased Products
- Develop Leadership Structures, Outreach, and Recognition Strategies
- Pilot Program in USDA Cafeterias Launched July '05





SECTION 9006

FY '03-05

- Biomass: 119 Projects
- Wind: 121 Projects
- Solar: 17 Projects
- Geothermal: 4 Projects
- Hybrid: 9 Projects

USDA Grant Funds: \$61.8 million.

Leveraged Funds: \$833.7 million

Plus: 2 Loan Guarantees (Biomass) \$10.1 Million USDA Funding
\$13.1 Million Leveraged

Plus: 165 Energy Efficiency Improvements: \$4.9 Million USDA Funds





SECTION 9008

BIOMASS RESEARCH AND DEVELOPMENT

- USDA Natural Resources & Environment/DOE Joint Initiative
- Grants for Research, Development, & Demonstration of Biomass Products, Bioenergy, Biofuels, Biopower
- E.g.: Anaerobic Digesters, Biorefineries, Biomass Focused Forest Management, Innovative Use of Feedstocks





BIOFUELS

- CCC Bioenergy Program (Sec. 9010)

Incentivizes Ethanol & Biodiesel Producers to Increase Production

- Biodiesel Education Initiative (Sec. 9004)

Grant Program; \$1 Million/year for Public Education
Target Private and Government Fleet Owners





BUSINESS MODEL/PRICING