



United States
Department of
Agriculture

Renewable Energy Programs

Biomass R&D Board
Technical Advisory Committee Meeting
November 8, 2011

Washington, DC

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Agenda

1. Brief Update on USDA Energy Programs
2. Update on USDA Biofuels Roadmap
3. Recent Funding Announcements
4. Status of FY 12 Committee Nominations



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2008 Farm Bill: Title IX Energy Programs

- Biobased Markets Program
- Biorefinery Assistance Program
- Repowering Assistance Program
- Bioenergy Program for Advanced Biofuels
- Rural Energy for America Program (REAP)
- Biomass Crop Assistance Program



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2008 Farm Bill Title IX

Section 9002

Biobased Markets Program

- Provides provisions for a federal procurement program and a voluntary labeling program for biobased products.
- Mandatory \$2 million per year from FY'09 through 2012. And an additional \$2 million per year, from FY'09 to 2012.
- To date we have designated 64 product categories that represent an estimated 9,000 individual products.
- To date we had certified about 500 products under the labeling program.



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2008 Farm Bill Title IX *cont.*

Section 9003 Biorefinery Assistance Program

- Provides loan guarantees for the development, construction and retrofitting of commercial-scale biorefineries, and grants to help pay for the development and construction costs of demonstration-scale biorefineries.
- \$463 million of program level available in FY 11
- 7 applications totaling \$835.6 Million of applications received and are currently under review



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2008 Farm Bill Title IX *cont.*

Section 9004 Repowering Assistance

- Provides for payments to biorefineries (that were in existence at the time the 2008 Farm Bill was passed) to replace fossil fuels used to produce heat or power to operate the biorefineries with renewable biomass
- \$25 million available in FY '11
- 2 applications totaling \$5.5 million received and under review



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2008 Farm Bill Title IX *cont.*

Section 9005

Bioenergy Program for Advanced Biofuels

- Provides for payments to be made to eligible agricultural producers to support and ensure an expanding production of advanced biofuels.
- FY 2010: \$80 million – 163 applications awarded (41 states)
- FY 2011: \$85 million - 160 applications received
- To date: \$44.6 million of FY 11 distributed (154 awards)



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2008 Farm Bill Title IX *cont.*

Section 9007

Rural Energy For America Program

- Provides assistance to agricultural producers and rural small businesses to complete a variety of projects, including renewable energy systems, energy efficiency improvements, renewable energy development, energy audits, and feasibility studies.
- **FY 11 Activity**
 - Awards: About 2010 awardees totaling around \$96.5 million to date



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REAP Investments Fiscal Years 2003-11

with Performance Measures

Fiscal Year	Projects	Loans	Combinations	Grants	Total Investments	Jobs Saved-Created	Businesses Assisted	Energy Saved - Generated	Btu Equivalent*	GHG Reduced**
		Millions of Dollars	Millions of Dollars	Millions of Dollars				1,000 kWh	1,000 Btu	Metric tons of CO2
2003	114			\$ 21.7	\$ 21,707,233	736	108	974,320	3,324,517	979,408
2004	163			\$ 22.6	\$ 22,692,325	411	186	503,645	1,718,507	642,599
2005	158	\$ 10.1		\$ 22.2	\$ 32,337,267	289	103	589,771	2,012,381	611,455
2006	412	\$ 24.2		\$ 21.2	\$ 45,368,317	1,357	285	997,133	3,402,359	1,303,951
2007	436	\$ 47.5	\$ 18.1	\$ 10.7	\$ 76,396,864	2,122	331	1,956,390	6,675,479	1,968,525
2008	764	\$ --	\$ 30.1	\$ 19.6	\$ 49,805,805	1,797	537	2,438,378	8,320,092	2,642,665
2009	1,557	\$ 8.5	\$ 76.7	\$ 26.6	\$ 111,859,241	5,981	2,924	3,006,432	10,258,372	3,085,300
2010	2,470	\$ 9.7	\$ 98.5	\$ 52.8	\$ 161,000,989	2,371	5,250	4,676,194	15,284,679	7,793,654
2011	2,008	\$ 16.7	\$ 24.3	\$ 55.5	\$ 96,512,314	tbd	tbd	tbd	tbd	tbd
TOTAL	8,082	\$ 116.7	\$ 247.7	\$ 252.9	\$ 617,680,355	15,064	9,724	15,142,262	50,996,386	19,027,557



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2008 Farm Bill Title IX *cont.*

Section 9011 Biomass Crop Assistance Program

- Supports the establishment and production of crops for conversion to bio-energy in project areas and to assist with the collection, harvest, storage and transportation of eligible material for use in biomass conversion facilities.
- FY 11- Nine establishment project areas have been identified.



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Updates

- **Update on USDA Biofuels Roadmap**
- **Status of FY 12 Committee Nominations**



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Recent Funding Announcements

- Advanced Biofuel Producer Payments
- MOU between USDA, DOE, and DON on Defense Production Act Initiative
- Rural Energy for America Program
- Biorefinery Assistance Program
- REE/NIFA- Plant Feedstock Genomics & AFRI

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Any Questions?

