

# **Biomass Research and Development Technical Advisory Committee**

**Washington, DC  
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USDA Rural Development**



# Discussion Topics

- USDA Energy Council Brochure
- Farm Bill Implementation
  - Executive Implementation Team
  - Other Departmental/Agency Consultation
  - Title IX Public Meeting – September 4, 2008
  - Summary of Title XI Programs Status
- Restructure of Department's Energy Budget Cross-cut Report

# Farm Bill

## Energy Title, Section 9003

### Biorefinery Assistance

- Provides grants for demonstration scale and loan guarantees for commercial scale Biorefineries that produce Advanced Biofuel
- Guaranteed Loan Limitations:  
Up to \$250 Million for Biorefineries
- Grant Limitations:  
Pilot/Demonstration Scale – Up to 50% of project costs
- Mandatory Funding:  
FY 2009 - \$75 Million  
FY 2010 - \$245 Million available until expended

# Farm Bill

## Energy Title, Section 9004, Repowering Assistance

- Purpose:
  - Payments to replace fossil fuel used to produce heat or power to operate existing biorefineries
- Mandatory Funding:
  - FY 09 - \$35 Million available until expended

# **Farm Bill**

## **Energy Title, Section 9005**

### **Bioenergy Program for Advanced Biofuels**

- Purpose:

Payments to eligible producers to support and ensure expanded production of Advanced Biofuels

# Farm Bill

## Energy Title, Section 9005

### Bioenergy Program for Advanced Biofuels

- Mandatory Funding:
  - A). \$55,000,000 FY 2009
  - B). \$55,000,000 FY 2010
  - C). \$85,000,000 FY 2011
  - D). \$105,000,000 FY 2012
- Discretionary Funding Availability of \$25,000,000 each FY 2009-2012

# Farm Bill

## Energy Title, Section 9007

### Rural Energy for America Program

#### - Loan Guarantee Limits:

- \* \$25 Million Cap
- \* Cap Federal share at 75% of project costs

#### - Mandatory Funding:

- \* FY 09 - \$55 Million
- \* FY 10 - \$60 Million
- \* FY 11 - \$70 Million
- \* FY 12 - \$70 Million

- Discretionary Funding Available : \$25 Million each fiscal year for  
FY 09 - 12



# **Farm Bill**

## **Energy Title, Section 9007 (Con't)**

Formerly Section 9006 – Renewable Energy Systems and Energy Efficiency Improvements Program – Section 9007, Rural Energy for America Program.

Establishes a grant and loan guarantee program to assist agriculture producers and rural small businesses in purchasing renewable energy systems and making energy efficiency improvements.

Establishes a Grant Program for energy audits, technical assistance and feasibility studies.



Section 9006 Funding Activity FY 2003 thru 2007

Renewable Energy/Energy Efficiency

<u>Technology</u>	<u>No.</u>	<u>Amount</u>	<u>Leveraged</u>
Biomass	218	\$49,219,744	\$282,508,476
Wind	193	35,800,088	505,221,691
Solar	49	1,862,651	4,519,509
Geothermal	24	1,230,996	3,232,743
<u>Hybrid</u>	<u>13</u>	<u>2,514,643</u>	<u>185,649,921</u>
Subtotal	497	\$90,628,122	\$981,132,340
Energy Efficiency	762	\$16,493,734	\$42,969,435
Subtotal	1,259	\$107,121,856	\$1,024,101,775
Guaranteed Loans	153	\$91,529,855	\$181,321,296
Grand Total	<u>1,412</u>	<u>\$198,651,711</u>	<u>\$1,205,423,071</u>

# Farm Bill

## Energy Title, Section 9008

- Purpose:  
Support of research, development and demonstration on biobased products, biofuels, and biopower.
- Eligible Recipients:  
Institutions of Higher Learning; National Laboratory; Federal Research Agency; State Research Agency; Private Sector Entities and Nonprofit Organizations or a consortium of two or more of entities described above.

# Farm Bill

## Energy Title, Section 9008,

### Mandatory Funding:

- FY 09 - \$20 Million
- FY 10 - \$28 Million
- FY 11 - \$30 Million
- FY 12 - \$40 Million

- Discretionary Funding: FY 09 – 12 - \$35 Million per Fiscal Year

**Farm Bill**  
**Energy Title, Section 9011**  
**Biomass Crop Assistance Program**

- Program Supports Payments for:
  - \* Establishment and Production of renewable biomass crops for conversion to bioenergy
  - \* Collection, harvest, storage, and transportation of biomass crops for use in biomass conversion facilities
- Mandatory Funding available in amount necessary for FY 08 - 12