

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

**Washington, DC  
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**William F. Hagy III  
Deputy Administrator, Business Programs  
USDA Rural Development**



# Overview

- FY 2008 Farm Bill Programs Update
- USDA Energy Cross-Cut
- NAS Biofuel Study

# Farm Bill

## Energy Title, Section 9003, Biorefinery Assistance

- Notice of Funding Availability/Advance Notice of Proposed Rule - Published November 20<sup>th</sup>
- Loan Guarantee Applications – 2 Windows
  - November 20, 2008 – December 31, 2008
  - March 01, 2009 - April 30, 2009

# Farm Bill

## Energy Title, Section 9003, Biorefinery Assistance (Con't)

- Loan Guarantee Limitations:
  - \$80 million or less - maximum 80% guarantee
  - Above \$80 million but less than \$125 million - maximum 70% guarantee
  - \$125 million up to \$250 million - maximum 60% guarantee
  - Loan amount – limited to 80% of project costs
- FY 09 Funding - \$75 million

# 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

- FY 09 - \$55 million mandatory funding

# **Farm Bill**

## **Energy Title, Section 9007**

### **Rural Energy for America Program**

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.

# **Farm Bill**

## **Energy Title, Section 9007**

### **Rural Energy for America Program (Con't)**

- Mandatory Funding – FY 09 - \$55 million
- Notice of Funding Availability



# Section 9006 Funding Activity FY 2003 thru 2008

## Renewable Energy/Energy Efficiency

<u>Technology</u>	<u>No.</u>	<u>Amount</u>	<u>Leveraged</u>
Biomass	271	\$65,188,772	\$321,322,470
Wind	245	48,008,511	582,427,329
Solar	108	4,683,405	11,207,057
Geothermal	52	1,969,517	4,576,639
<u>Hybrid</u>	<u>18</u>	<u>2,620,736</u>	<u>85,968,197</u>
Subtotal	694	\$122,470,941	\$1,105,501,692
Energy Efficiency	1,329	\$34,456,722	\$76,743,867
Subtotal	2,023	\$156,927,663	\$1,182,245,559
Guaranteed Loans	<u>153</u>	<u>\$91,529,855</u>	<u>\$181,321,296</u>
Grand Total	2,176	\$248,457,518	\$1,612,024,373

**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

# USDA Energy Cross-Cut

- Energy Council Working Group
- Combining Comments Received:
  - Biomass TAC
  - OIG Energy Audit
  - Energy Council

# National Academy of Sciences Biofuel Study

- Combines mandated biofuel studies in ESIA and Farm Bill
- Include impacts on rural communities
- Analysis reflects future prices and technology changes
- Contract to be signed by December 31, 2008
- Co-funded by USDA and DOE