

*President Obama's  
Commitment to Renewable  
Energy*

*“To put people back to work  
today, and reduce our  
dependence on foreign oil  
tomorrow, we will double  
renewable energy  
production.”*



*“USDA is working to expand energy opportunities by producing alternative forms of energy and fuel, and to ensure that we are doing the research necessary to allow agriculture to transition away from its rather significant dependence on fossil fuels.”*

*Tom Vilsack  
Agriculture Secretary*



## Energy Title (2008 Farm Bill) , Section 9003

### Biorefinery Assistance Program

- Grants for pilot/demonstration-scale (*up to 50% of project costs*) & loan guarantees for commercial-scale (*up to \$250 million*) biorefineries (*advanced biofuels*)
- Loan Guarantees:
  - *one award (Range Fuels - \$80 million)*
  - *reviewing 6 applications*
- FY 2009 – \$75 million (*mandatory*)
- FY 2010 (*proposed*) – \$245 million (*mandatory; can carry-over*)



## Energy Title (2008 Farm Bill), Section 9004

# Repowering Assistance Program

- Replace fossil fuel for heat/power in biorefineries (*in existence when Farm Bill was passed*)
- NOSA (*Notice of Solicitation Applications*) target date – early June
- FY 2009 – \$35 Million (*mandatory funding; can carry-over*)
  - up to \$15 million/yr additional funding possible (*discretionary funding, FY 2009–2012*)



## Energy Title (2008 Farm Bill) Section 9005 Bioenergy Program for Advanced Biofuels

- Payments to eligible producers to support and ensure expanded production of advanced biofuels
- FY 2009 – \$55 million (*mandatory funding*)  
FY 2010 – \$55 million “  
FY 2011 – \$85 million “  
FY 2012 – \$105 million
  - up to \$25 million/yr additional funding possible  
(*discretionary funding, FY 2009–2012*)
- Notice of Contract Proposals (*NOCP*)  
target date – early June



# Energy Title (2008 Farm Bill) Section 9007

## Rural Energy for American Program (REAP)

- Grant and loan guarantee program to assist agriculture producers and rural small businesses purchasing renewable energy systems and making energy efficiency improvements
- Grant Program for energy audits, technical assistance and feasibility studies
- *Loan guarantee caps: \$25 million and 75% of project cost*
- FY 2009 – \$55 million (*mandatory funding*)  
FY 2010 – \$60 million “  
FY 2011 – \$70 million “  
FY 2012 – \$70 million
  - up to \$25 million/yr additional funding possible  
(*discretionary funding FY 2009–2012*)



**Energy Title (2008 Farm Bill), Section 9008**  
**2009 BRDi Solicitation**

- Over 900 pre-applications
- Invited 135 full applications
- Final selections: *July 28*
- Awards: *September 30*
- Selection process co-managed by DOE Golden Field Office and USDA CSREES
- Feedstock development includes industrial biobased products
- Environmental/economic LCA requested for all proposals



# Proposed ARS FY2010 bioenergy initiative

- Index and Mine the U.S. Seed Collections for Energy Genes) (\$246,000)
- Energy Crop Genetic Improvement, Breeding, and Management (\$2,098,200)
- Genomic Strategies to Increase Nitrogen Use Efficiency in Energy Crop Production (\$600,000)
- Genetic Improvement to Capture the Sun's Energy to Increase Plant Biomass (\$600,000)
- Develop Strategies to Integrate Bioenergy Production into Existing U.S. Agricultural Systems (\$1,498,800)
- Create Decision Support Systems for Sustaining Natural Resource Quality While Expanding Bioenergy Production (\$2,337,000)
- Develop Water and Greenhouse Gas Risk Assessment and Risk Management Strategies to Ensure Sustainability (\$3,620,000)

