



BACKGROUND

This AFRI Challenge Area focuses on the priority to secure America's energy future. It supports the development of regional systems for the sustainable production of bioenergy and biobased products that have net positive social, environmental, and rural economic impacts and is compatible with existing agricultural systems. The long-term outcome for this program is to implement regional systems that materially deliver liquid transportation biofuels to help meet the Energy Independence and Security Act (EISA) of 2007 goal of 36 billion gallons/year of biofuels by 2022 and reduce the National dependence on foreign oil. In FY 2010, approximately \$40 million is available to support the Sustainable Bioenergy Challenge Area within AFRI.

PROGRAM AREA PRIORITIES

Regional Approaches to Sustainable Bioenergy

Present a coordinated plan for developing a regional system for the sustainable production and distribution of bioenergy and biobased products with net positive social, environmental, and economic effects. Integrated Coordinated Agricultural Projects up to \$9M per year (\$45M total) for up to 5 years. Contact William Goldner

Regional Approaches to Sustainable Bioenergy: Planning

Planning/Coordination Grants will be considered for projects that focus on developing a Regional Bioenergy Coordinated Agricultural Project application for submission in FY 2011. Integrated Projects for up to \$50K total for 1 year. Contact James Dobrowolski

Investing in America's Scientific Corps: Stimulating a New Era of Students and Faculty in Bioenergy

Student-led research or investigative projects appropriate to the education level or faculty development in the bioenergy field. Education Projects up to \$1M per year (\$5M total) for up to 5 years. Contact Daniel Cassidy

Sustainable Bioenergy Research

The priorities support research with high relevance to the development of sustainable regional systems for the production of bioenergy and biobased products in: Crop Protection for Sustainable Feedstock Production Systems; Enhanced-value Co-product Development; and Carbon Sequestration and Sustainable Bioenergy Production. Research Projects for up to \$200K per year (\$1M total) for up to 5 years. Contact Mary Purcell-Miramontes

National Loblolly Pine Genome Sequencing

Focus on accelerating the completion of the reference genome DNA sequence of loblolly pine for improved development of trees that would be adapted to the production of biofuels. Research Coordinated Agricultural Projects up to \$3M per year (\$15M total) for up to 5 years. Contact Ed Kaleikau

PROGRAM AREA CONTACTS

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PROGRAM AREA DEADLINE DATES

PROGRAM AREA

Regional Approaches to Sustainable Bioenergy
 Regional Approaches to Sustainable Bioenergy: Planning
 Sustainable Bioenergy Research
 Investing in America's Scientific Corps: Stimulating a New Era of Students and Faculty in Bioenergy
 National Loblolly Pine Genome Sequencing

LETTER OF INTENT DEADLINE

July 9, 2010
 n/a
 April 30, 2010
 April 30, 2010
 May 7, 2010

APPLICATION DEADLINE

September 15, 2010
 May 14, 2010
 June 14, 2010
 June 14, 2010
 July 16, 2010