



U.S. Department of Energy
**Energy Efficiency
and Renewable Energy**

Bringing you a prosperous future where energy
is clean, abundant, reliable, and affordable

Biomass Program

Biomass R&D Technical Advisory Committee Meeting

July 19, 2005

Neil P. Rossmeissl
Designated Federal Officer



- DOE/OBP Manager for:
 - Designated Federal Officer (DFO) of the Biomass R&D Technical Advisory Committee
 - Analysis Coordination
 - Integrated Biorefinery awards
- Previous Experience:
 - DOE Office of Hydrogen, Fuel Cells and Infrastructure Technologies
 - Manager for Safety, Codes and Standards SubProgram within the
 - DFO for the Hydrogen Technical Advisory Committee
 - Plant Manager for a Virginia, co-fired 70 MW coal fueled Non-Utility Generator, providing electricity under contract to Virginia Power.
 - Manager of a research division conducting R&D on energy programs to support the DOE and Pittsburgh Energy Technology Center
 - Plant Manager for first-of-its-kind, coal-water slurry production plant, managed a process development and utilization division for advanced propellant systems
 - Managed a department responsible for fuels combustion and emissions control.
- University of Maryland with degrees in Chemistry and Chemical Engineering
- Published over 35 technical papers on combustion, process development, and systems analysis.



- David Garman is now the Under Secretary for Energy, Science, and Environment
- Doug Faulkner is now Acting Assistant Secretary for Energy Efficiency and Renewable Energy



- **Those members whose terms expired in November 2004 will not have their memberships extended.**
- **A new member nomination package with 11 new member nominations from USDA and DOE is in process.**
- **New members will be in place in time for the next meeting.**



- As of July 12, 2005, the Annual Report has been approved by USDA and is awaiting one more concurrence within DOE.
- When the Annual Report gains final concurrence, it will be posted to the Biomass Initiative website: www.bioproducts-bioenergy.gov



- **USDA managing FY 2005 Joint Solicitation.**
- **DOE is managing the FY 2006 Joint Solicitation.**
- **Committee provided recommendations for the FY 2006 Joint Solicitation.**
 - DOE – 1: Interaction of Pretreatment Methods and Conditions with Enzymatic Digestibility to Produce Low Cost Sugars
 - USDA – 2: Feedstock Development and Production
 - USDA – 3: Conversion of Feedstocks to Biobased Products and Biobased Products Development
- **FY 2006 Proposed Funding:**
 - USDA: Up to \$12 million
 - DOE: Up to \$2 million
- **FY 2006 Joint Solicitation Schedule:**
 - RFP to be Issued August 8, 2005
 - Pre-Proposals Due September 20, 2005
 - Full Applications Due: November 29, 2005



- **Created by USDA and DOE per Congressional direction.**
 - Goals:
 - To disseminate information
 - To increase hydrogen, fuel cell technology impact:
 - Aimed at rural communities
 - Aimed at agricultural producers.
- **Collaborative working group will be formed to:**
 - Exchange of information
 - Exchange of expert personnel
 - Consultation of both sides' senior officials
 - Joint seminars, RD&D for cost and benefit sharing.
 - Information dissemination to target audiences.
 - Other activities can involve publicly supported RD&D offices, and technology transfer offices.
- **USDA and DOE will maintain responsibility for separate RD&D program maintenance.**
- **Does not restrict USDA or DOE from other participations.**
- **Signed into effect April 14, 2005.**



Objective

- Create permanent sub-committees to accomplish Committee actions in a more timely, efficient, and effective manner.
- Sub-committees would be organized around issues that the full Committee deals with on a regular basis.

Organization

- 3 - 4 Sub-committees with 8 – 10 members
- Sub-committee would select Chair
- Sub-committee would determine their meeting schedule and method. (Conference call, face-to-face)
- Chairs would report to full committee at each meeting.
- Sub-committee would produce topical reports that can be published.



- **Proposed Sub-committees:**
 - **Policy**
 - Addresses energy balance of ethanol fuels, feedstock availability, markets, RFS, and regional incentives.
 - **Intergovernmental Collaboration**
 - Provides recommendations to strengthen and ensure Federal agencies are collaborating on biomass-related R&D efforts.
 - **Technical Areas:**
 - Pathways
 - Conversion Processes
 - Products
 - Biorefineries



Vision and Roadmap Sub-Committee

Review the *Vision and Roadmap*

- to assess progress in meeting *Vision* goals
 - to review the Departmental responsiveness to *Roadmap* recommendations
 - to lead on *Vision and Roadmap* updates.
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- **New Vision and Roadmap**
 - Organize workshops around the country
 - Help invite key industry participants
 - Help establish questions and topical areas
 - Review documents for technical accuracy.



- Harriet Foster will assist with logistical details of the Biomass R&D Technical Advisory Committee and Biomass Initiative.
- Harriet may be reached at 202-586-4541 or harriet.foster@ee.doe.gov.