# ARS Bioenergy Customer/Stakeholder Workshop September 18 & 19, 2007 St. Louis Airport Marriott St. Louis, Missouri

**Workshop Purpose:** Recommend priority areas for ARS research over the next five years to enable or substantially expand the sustainable, commercial production of bioenergy from agricultural materials.

### **Expected Outcomes:**

Recommended priority areas for ARS-wide research that could impact bioenergy production (or use) by agriculture

Recommendations regarding the Action Plan for the Bioenergy National Program over the next five years

Identify synergies and linkages between the ARS National Program in Bioenergy and other National Programs within ARS

Recommendations on how ARS should partner with other Federal agencies, universities and/or industry so as to maximize the impact of its bioenergy research and technology transfer

# Monday, September 17, 2007

<u>7:00 pm –9:00 pm</u> Early Registration Salon E Foyer

# Tuesday, September 18, 2007

| <u>7:30 am</u>  | <b>Registration &amp; Continental Breakfast</b> |
|-----------------|---|
| Salon D/E Foyer | -   |

<u>8:30 am</u> Salon D/E

### Welcome

Ghassem Asrar Deputy Administrator, ARS

Steve Shafer Midwest Area Director, ARS

# Introduction of Speakers

|                                   | <ul> <li>The Role of Research, Education, and Economics (REE) Efforts in Bioenergy Research</li> <li>Merle Pierson (confirmed)</li> <li>Deputy Undersecretary for Research, Education, and Economics</li> <li>The Role of ARS in Bioenergy Research</li> <li>Ghassem Asrar</li> <li>Purpose of the Workshop</li> <li>Anticipated Outcomes from the Workshop</li> </ul> |
|-----------------------------------|--|
| <u>9:10 am</u><br>Salon D/E       | DOE/USDA Collaboration in Bioenergy Research<br>John Ferrell<br>Manager, Feedstock Program<br>DOE Office of Biomass Programs   |
| <u>9:30 am</u><br>Salon D/E       | <ul> <li>Overview of Bioenergy Research in ARS<br/>Bob Fireovid<br/>National Program Leader, Bioenergy</li> <li>Proposed ARS Strategy for Bioenergy<br/>(2008-2012)</li> <li>Overview of ARS structure,<br/>management, and budgeting process</li> </ul>   |
| <u>9:50 am</u><br>Salon D/E Foyer | Break  |
| <u>10:20 am</u><br>Salon D/E      | Component I Prototype Action Plan:<br>Bioenergy Feedstock Development<br>Kay Simmons<br>National Program Leader  |

| <u>10:35 am</u><br>Salon D/E    | Component II Prototype Action Plan:<br>Sustainable Production Systems for Bioenergy  |
|---------------------------------|--|
|                                 | Jeff Steiner<br>National Program Leader  |
| <u>10:50 am</u><br>Salon D/E    | Component III Prototype Action<br>Plan: Conversion of Agricultural Materials to<br>Bioenergy and Co-Products   |
|                                 | Bob Fireovid   |
| <u>11:05 am</u><br>Salon D/E    | ARS – Industry Partnerships<br>Rick Brenner<br>Assistant Administrator, ARS Office<br>of Technology Transfer   |
| <u>11:20 am</u><br>Salon D/E    | General Session Questions & Answers from the<br>Morning Session: A Facilitated Discussion<br>Bob Fireovid (moderator)                                      |
| <u>11:50 am</u><br>Salon III/IV | Lunch  |
| <u>12:30 pm</u><br>Salon III/IV | Panel Report: Retrospective Assessment of<br>National Program (NP) 307 Performance<br>Ralph Hardy<br>President, National Agricultural                      |
| <u>1:00 pm</u><br>Salon D/E     | Biotechnology Council<br>Instructions for Day 1 Breakout Session:<br>What should be the ARS research priorities for<br>bioenergy over the next five years? |
|                                 | Bob Fireovid   |

| <u>1:15 pm</u><br>Breakout Rooms  | <ul> <li>Convene Day 1 Breakout Session</li> <li>At report-outs, breakout groups will report priorities in the three Components: <ul> <li>Feedstock Development</li> <li>Feedstock Production</li> <li>Conversion &amp; Co-Products</li> </ul> </li> <li>Breakout groups to be organized by integrated clusters: <ul> <li>starches &amp; sugars to ethanol/butanol</li> <li>biodiesel</li> <li>cellulosics to ethanol/butanol</li> <li>cellulosics to other fuels</li> </ul> </li> </ul> |  |
|-----------------------------------|--|--|
| <u>2:45 pm</u><br>Salon D/E Foyer | Break  |  |
| <u>3:15 pm</u><br>Salon D/E       | Plenary Report-outs from Breakout<br>Groups<br>Chad Haynes (moderator)<br>Program Analyst  |  |
| <u>5:00 pm</u>                    | Adjourn  |  |
| <u>5:15 pm</u><br>Salon III/IV    | Social Hour  |  |
|                                   | Dinner on your own   |  |
| Wednesday, September 19           |  |  |
| <u>7:30 am</u><br>Salon D/E Foyer | Continental Breakfast  |  |

| <u>8:30 am</u><br>Salon D/E                                   | Instructions for Morning Breakout Session:<br>What should be the consolidated priorities<br>(SubComponents) in each Component?                           |  |
|---|--|--|
| <u>8:40 am</u><br>Breakout Rooms                              | Convene Breakout Session<br>Groups organized by the three Components:<br>• Feedstock Development<br>• Feedstock Production<br>• Conversion & Co-Products |  |
| <u>10:00 am</u><br>Salon D/E Foyer                            | Break  |  |
| <u>10:30 am</u><br>Salon D/E                                  | Plenary Report-outs from Breakout Groups<br>Chad Haynes (moderator)  |  |
| <u>12:15 pm</u>   | Adjourn Customer/Stakeholder Portion of<br>Workshop  |  |
|   | Travel safely  |  |
| Wednesday, September 19 (Begin Internal ARS Planning Meeting) |  |  |
| <u>12:15 pm</u><br>Spirit of St. Louis Rm.                    | Lunch  |  |
| <u>1:30 pm</u><br>Salon D/E                                   | Instructions for Rest of Workshop: Begin<br>development of new Bioenergy Action Plan<br>Bob Fireovid   |  |

<u>1:40 pm</u> Breakout Rooms **Convene Breakout Session** 

<u>3:10 pm</u> Salon D/E Foyer

#### **Break**

<u>3:40 pm</u> Salon D/E

### Plenary Report-outs from Breakout Groups

Judy St. John (moderator) Deputy Administrator, ARS

<u>5:00 pm</u>

#### Adjourn

Dínner on your own

### Thursday, September 20

| <u>7:30 am</u>  | Continental Breakfast |
|-----------------|-----------------------|
| Salon D/E Foyer |                       |

<u>8:00 am</u> Salon D/E **Process Check** 

Bob Fireovid

<u>8:30 am</u> Breakout Rooms **Convene Breakout Session** 

**Break** 

10:00 am Salon D/E Foyer

**Plenary Report-outs from Breakout Groups** 

<u>10:30 am</u> Salon D/E

Ghassem Asrar (moderator)

<u>12:00 noon</u>

Adjourn Workshop