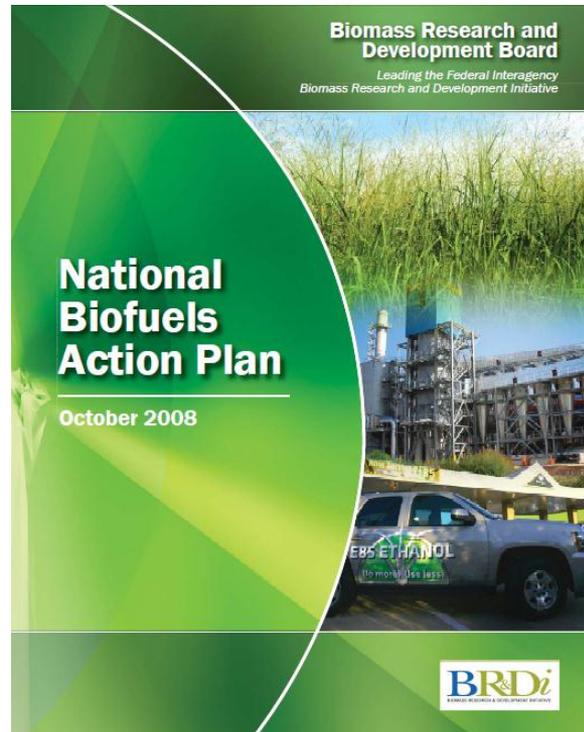


# Biomass Research and Development Board

## National Biofuels Action Plan Update

Technical Advisory Committee Meeting  
Washington, DC  
March 1, 2012  
Alicia Lindauer, Liaison



# Background

- June 2011 – Board requests that Operations Committee and Working Group Co-Chairs determine how to update the National Biofuels Action Plan (NBAP) by early 2012
- September 2011 – Board agrees on Scope and Outline of the Proposed NBAP update; Operations Committee and Working Group Co-chairs/members begin drafting content
- November 2011 – Received input from TAC Subcommittees
- January 2012 – Initial draft of NBAP update document presented to the Board

# Changes since the 2008 NBAP

- Ethanol
  - Ethanol production has increased from 6.5 BGY in 2007 to nearly 14 BGY in 2011
  - For low-level blends (i.e. E10), the ethanol market has reached near-market saturation.
- RFS Volumes
  - EPA has adjusted down RFS target volumes for cellulosic biofuels:
    - 2010: 100 mgy adjusted to 6.5 mgy
    - 2011: 250 mgy adjusted to 6.6 mgy
    - 2012: 500 mgy adjusted to 3.45 - 12.9 mgy
- Economic Downturn
  - A poor economy since 2008 affected the financing of new plants
- Change in the Policy Landscape
  - Expiration of VEETC - tax-credits for blending gasoline with ethanol expired on 12/31/2011.

# Goals of the NBAP Update

- Reflect overall strategic direction and landscape since the NBAP 2008 was issued
- Document technology advancements and accomplishments
- Provide integrated updates on status and progress in RD&D across the supply chain, and delineate additional needs and challenges
- Clearly map out federal responsibilities and activities
- Provide forum for consensus-building and collaboration among broad range of federal stakeholders

# Scope Changes

## 2008 NBAP

- Focus on ethanol
- Major Sections:
  - Sustainability\*
  - Feedstocks Production
  - Feedstocks Logistics
  - Conversion Science & Technology
  - Distribution Infrastructure
  - Blending
  - Environment, Health, and Safety\*

## 2012 NBAP Update

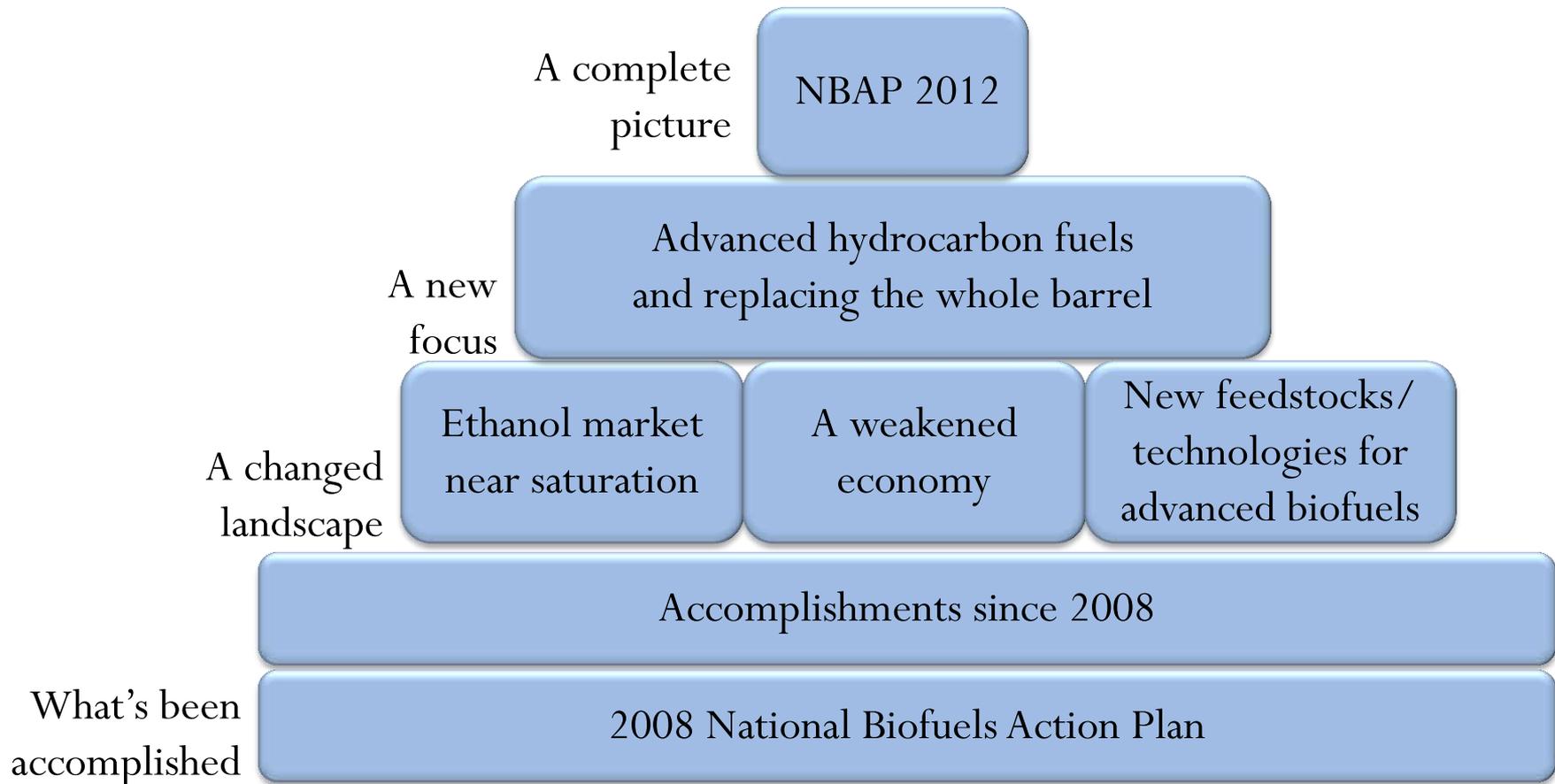
- Focus on advanced hydrocarbon fuels
- Major Sections:
  - Feedstocks Production & Logistics
  - Conversion Science & Technology
  - Transport & Distribution Infrastructure
  - Fuel Applications & End Use

\*Issues of Sustainability and Environment, Health, & Safety have been incorporated into all sections of the 2012 NBAP Update

# Content Changes

- The associated impacts – particularly in the areas of Conversion and Distribution Infrastructure— of a new focus on advanced hydrocarbon fuels
- Utilization of algae as a feedstock
- Feedstock logistics – new focus on uniform format feedstocks
- A new coordinated federal role in the area of Transport & Distribution Infrastructure

# Building Blocks for an Updated National Biofuels Action Plan



# Implementation Plan

- January 2012 to present – Working to incorporate Board comments and complete document
- April 2012 – Present Board with complete draft
- June 2012 – Finalize document for publication