

Cellulosic Ethanol SUMMIT 2008

November 17-19, 2008 | The Westin Colonnade Hotel | Coral Gables, FL

THE SUMMIT AGENDA

November 18, 2008

7:00 – 8:00 *Continental Breakfast Sponsored by:*



8:00 – 8:05

Welcome To Florida

Dana Weber, *Executive Director*, FLORIDA BIOFUELS ASSOCIATION

8:05 – 8:15

Introduction by the Summit Chair

Bob Dinneen, *President & CEO*, RENEWABLE FUELS ASSOCIATION

8:15 – 8:45

Keynote Address

FLORIDA:

A LEADER IN STATE SUPPORT OF CELLULOSIC ETHANOL DEVELOPMENT

Jeremy L. Susac, *Executive Director, Governor Crist's Energy Office*,
FLORIDA ENERGY & CLIMATE COMMISSION

8:45 – 10:00

THE BIOFUELS DEBATE: IMPACTS ON THE INDUSTRY

Triggered by world food shortages and new concerns about sustainability, a global biofuels debate has emerged which has brought about a reevaluation of the long-term viability of biofuels as a fuel source. The panelists will discuss the implications of this debate on the burgeoning cellulosic ethanol industry.

- What opportunities and challenges is the debate creating for the cellulosic ethanol industry in the short and long-term?
- What will be the repercussions on the cellulosic ethanol industry of concerns about corn-based ethanol?
- What are the legitimate issues the debate has raised that must be addressed by the industry?
- Can the industry meet aggressive GHG goals?
- Can feedstocks beyond corn sustainably meet the industry's supply needs?

Moderator: **Graham Noyes**, *Attorney*, STOEL RIVES LLP

Panelists:

Jacques Beaudry-Losique, *Program Manager, Office of the Biomass Program*
U.S. DEPARTMENT OF ENERGY (Invited)

Nathanael Greene, *Director of Renewable Energy Policy*,
NATURAL RESOURCES DEFENSE COUNCIL

Anna Rath, *Vice President of Commercial Development*, CERES, INC.

Darlene Snow, *Senior Vice President*, OGILVY PR

Candace Wheeler, *GM Technical Fellow, Research & Development*,
GENERAL MOTORS

10:00 – 10:30 *Value Chain Networking Break Sponsored by:*



10:30 – 11:30 **FEDERAL POLICIES DRIVING THE FUTURE OF BIOFUELS**

The Renewable Fuels Standard (RFS) is a critical component in the development of the cellulosic ethanol industry. The biofuels debate has touched off a reconsideration of the mandate in Congress and created a climate of uncertainty about the mandate itself. Further, the decisions of the EPA with respect to their responsibility of determining lifecycle assessment of all new biofuels may have a significant impact on the ability to produce these fuels. The panelists will address questions relating to the RFS program and the federal policies driving the future of biofuels.

- Will the current RFS mandate remain intact? If not, what will the revised mandate be?
- What challenges does the mandate pose for the industry?
- What is the status of the EPA rulemaking? How important is carbon reduction as the criteria for energy policy?
- What is the future of tax incentives, particularly the ethanol incentive, scheduled to expire in 2010?

Moderator:

Burl Haigwood, *Director of Program Development*,
CLEAN FUELS DEVELOPMENT COALITION

Panelists:

Paul N. Argyropoulos, *Senior Policy Advisor, Office of Transportation & Air Quality*, ENVIRONMENTAL PROTECTION AGENCY

Bob Dinneen, *President & CEO*, RENEWABLE FUELS ASSOCIATION

Douglas Durante, *Executive Director*
CLEAN FUELS DEVELOPMENT COALITION

Brent Erickson, *Executive Vice President, Industrial & Environmental Section*,
BIOTECHNOLOGY INDUSTRY ORGANIZATION

11:30 – 12:30 **FEEDSTOCK SUPPLY LINES: A PROGRESS REPORT**

The panelists will provide an update on the progress in establishing reliable supply lines of dedicated fuel crops, crop residues, woody biomass and municipal and other waste streams. They will discuss how the recent dialogue on the sustainability of feedstocks is impacting the plans of feedstock providers. The panelists will discuss

how they are organizing to meet the industry's needs and the business factors that are guiding their decision-making.

- What uncertainties need to be addressed or challenges overcome to insure sustainable feedstock supply lines?
- What are feedstock suppliers currently doing to tackle these uncertainties and challenges?
- How will this affect the business models and prices that will be needed to attract feedstock supplier support of the cellulosic ethanol industry?
- How will this affect the type of relationships they will want to establish with biorefiners?

Moderator:

Greg Lynch, *Attorney*, MICHAEL BEST & FRIEDRICH, LLP

Panelists:

Timothy M. Baye, *Director*, LAFAYETTE BIOAG and *Professor of Business Development*, UNIVERSITY OF WISCONSIN EXTENSION

Steve A. Flick, *President, Chairman of the Board*.
SHOW ME ENERGY COOPERATIVE

Olaf Roed, *President & CEO*, GREEN CIRCLE BIO ENERGY, INC.

Necy Sumait, *Senior Vice President*, BLUEFIRE ETHANOL, INC.

12:30 – 2:00 *Group Luncheon*

Luncheon Address:

Charles H. Bronson, *Commissioner*, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

2:00 – 3:00 **NON-ENZYMATIC BIOREFINERY DEVELOPER BRIEFING**

This panel of non-enzymatic biorefinery developers will report on the current status of their development activities as well as the insights and knowledge they have gathered along the way.

- What non-enzymatic projects are under development?
- Where do they stand in the development process?
- What are the key development challenges for these projects and how are they being addressed?
- What are the important lessons being learned from these projects?
- Where do you need to reach out to other industry players in order to successfully move these projects forward?

Moderator:

Panelists:

Vincent Chornet, *President & CEO*, ENERKEM

Arnold Klann, *President*, BLUEFIRE ETHANOL, INC.

Donald Pierce, *President, Advanced Biofuels Group*,
GREENFIELD ETHANOL, INC.

Ben Thorp, *President*, FLAMBEAU RIVER BIOREFINERY

3:00 – 3:30 *Value Chain Networking Break Sponsored by:*



3:30 – 4:30 **BIOCHEMICAL BIOREFINERY DEVELOPER BRIEFING**

This panel of biochemical biorefinery developers will report on the progress of their development activities and the insights and knowledge they are gathering along the way.

- What biochemical projects are under development?
- Where do they stand in the development process?
- What are the key development challenges for biochemical projects and how are they being addressed?
- What are the important lessons being learned from these projects?
- Where do you need to reach out to other industry players in order to successfully move these projects forward?

Moderator: **Todd Alexander**, *Partner*, CHADBOURNE & PARKE LLP

Panelists:

Jeff Passmore, *Executive Vice President*, IOGEN CORPORATION

Gerson Santos-Leon, *Director*,
ABENGOA BIOENERGY NEW TECHNOLOGIES

John Howe, *Vice President, Public Affairs*, VERENIUM

Ross MacLachlan, *President & CEO*, LIGNOL

Dr. Mark Stowers, *Vice President, Research & Development*, POET

4:30 – 5:30 **THE INDUSTRIAL BIOTECH COMMUNITY: CREATING COLLABORATIONS FOR COMMERCIALIZATION**

One of the requirements for moving the cellulosic biofuels industry forward is to establish closer working relationships between technology providers, the chemical engineering community, and even oil companies. Over the past year there have been some notable steps forward in this direction. The panel will discuss the progress being made in creating collaborations for commercialization and the impact they will have on large-scale cellulosic biofuels development.

- What are the recent commercial advances and announcements related to cellulosic biofuels?
- What are the goals of recently announced collaborations?
- What do these collaborations say about industry maturation?
- How will collaboration advance the commercialization process?
- What will their implications be for other players in the industry?

Moderator:

Brent Erickson, *Executive Vice President/Industrial and Environmental Section*,
BIOTECHNOLOGY INDUSTRY ORGANIZATION

Panelists:

Wesley J. Bolsen, *Chief Marketing Office, VP of Business Development*,
COSKATA, INC.

Vonnie L. Estes, *New Ventures Development Manager, Biofuels*, DUPONT DANISCO

David A. Glassner, Ph.D., Vice President, Bioprocessing and Engineering, GEVO
Emmanuel Petiot, Global Business Development Manager, NOVOZYMES

5:30 – 7:00 The Summit Reception Sponsored by:



November 19, 2008

8:00 – 9:00 *Continental Breakfast Sponsored by:*



9:00 – 9:03 *Welcome By The Summit Chair*
Bob Dinneen, *President & CEO*, RENEWABLE FUELS ASSOCIATION

9:03 – 9:05 *Keynote Introduction:*
Dr. Mark Stowers, *Vice President, Research & Development*, POET

9:05 – 9:30 *Keynote Address:*
Edward T. Schafer, *Secretary of Agriculture*,
 U.S. DEPARTMENT OF AGRICULTURE

9:30 – 10:30 **COMMERCIALIZATION AND FINANCING INDUSTRY GROWTH**

The emerging cellulosic ethanol industry has been greeted by a flurry of investment and strategic partnership announcements during the course of the year. The panelists will explore the dynamics underlying these developments, discuss the strategic and investment drivers of both the financial community and strategic players, and evaluate the merits of the alternative commercialization strategies.

- Has there been a shift in financial and strategic investors' perspectives on cellulosic ethanol?
- What level of investment is likely to flow to the industry in the next 2 to 5 years?
- What type of investors will be involved in this flow?
- When will project financing be available and on what terms?
- What conditions are investors looking for before they are ready to pull the trigger on a cellulosic investment?
- What commercialization strategies do investors believe will find success in the marketplace?

Moderator:

Christopher Groobey, *Partner*, BAKER & MCKENZIE, LLP

Panelists:

Brian Bolster, *Vice President*, GOLDMAN SACHS & COMPANY

Denny DeVos, *Corporate Finance Director*, POET

Paul Ho, *Principal*, HUDSON CLEAN ENERGY PARTNERS

Guy Ouimet, P.Eng. MBA, *Senior Advisor*, SUSTAINABLE DEVELOPMENT TECHNOLOGY CANADA'S NEXT GENERATION BIOFUELS FUND

Jerome P. Peters, *Senior Vice President*, TD BANK PROJECT FINANCE

10:30– 11:00 *Value Chain Networking Break Sponsored By:*



11:00 – 12:00 **THE BLEND WALL: STRATEGIES AND SOLUTIONS**

The RFS calls for future supplies of renewable fuels that cannot be absorbed by today's automobiles—creating a “blend wall”. The panelists will discuss potential strategies and solutions to address this barrier. They will discuss how the industry is working to determine which blend levels will prevail in the market and what supply of new automobiles will be needed in the marketplace.

- How can the industry organize to address the blend wall?
- What are the factors in the evaluation of E85 or higher blend levels?
- How will the industry lock into a blend level?
- What are automakers' plans to support these blend levels?
- Are automakers' plans be affected by new public demand for fuel-efficient vehicles?
- Will government mandates on automakers be required?
- What is a realistic timeline for determining a market standard?

Moderator: **Phil Lampert**, *Executive Director*, NATIONAL ETHANOL VEHICLE COALITION

Panelists:

Patrick Bolton, *Senior Project Manager*, NEW YORK STATE ENERGY RESEARCH & DEVELOPMENT AUTHORITY (Invited)

Burl Haigwood, *President*, FLEXIBLE FUEL VEHICLE CLUB OF AMERICA

Ken Klemmie, *Acting Director*, INDIANA STATE DEPARTMENT OF AGRICULTURE

Curt Magleby, *Director*, U.S. State & Local Government Relations, FORD MOTOR COMPANY

Dr. Michael Warren, *Title TBD*, TOYOTA MOTOR NORTH AMERICA, INC.

12:00 *Adjourn*