

Optimizing Ethanol Plants

Decrease Costs • Explore Alternative Biofuel Feedstocks, Technology & Energy Strategies • Increase Revenue & Margins

May 14–16, 2008 • Minneapolis, MN

Thursday, May 15, 2008

- 8:30 – 8:45 **WELCOME BY THE CONFERENCE CO-CHAIRS**
Pauline Doohan, *Partner*, BAKER & MCKENZIE
Jerome P. Peters, *Senior Vice President & Group Director for Project Finance*, TD BANKNORTH PROJECT FINANCE
Mark Shmorhun, *Vice President of Business Development*, DELTA-T CORPORATION

Session One:

RISK MANAGEMENT & FEEDSTOCK OPTIMIZATION STRATEGIES

- 8:45 – 9:30 **OPTIMIZING COMMODITY RISK MANAGEMENT**
- Identifying commodity price risks for feedstocks and finished products
 - Identifying basic principles and the evolving tools available in price risk management
 - Implementation of risk management tools to maximize the crush margin.
- Terrance Wood**, *Energy Risk Management Consultant*, FC STONE

- 9:30 – 10:30 **OPTIMIZING FEEDSTOCK UTILIZATION AND PLANT YIELD**
- The increased yield of GMO Corn
 - The advent of new enzymes, microbes & acids
 - The benefits of improved controls
- Moderator: **Scott McDermott**, *Partner*, ASCENDANT PARTNERS
Panelists:
Ken Barrett, *Director, Business Development*, VERENIUM
Tom Burns, *Director of Customer Solutions*, NOVOZYMES
Douglas Haefele, Ph.D., *Senior Research Scientist*, PIONEER HI-BRED, A DUPONT BUSINESS
Jodi Henderson, *Technical Sales Account Manager*, GENENCOR INTERNATIONAL
Troy Hobbs, *Corn Biofuel Strategy Lead*, MONSANTO COMPANY
Michael Tay, *Director, Sales Engineering*, PAVILION TECHNOLOGIES

10:30 – 11:00 *Networking Break*

11:00 – 12:00 **NEXT GENERATION FEEDSTOCKS**

This session will examine:

- The medium-to-long-term promise of a variety of next generation feedstocks
- The latest developments in tall sorghum and tropical maize

Moderator/Lead Presenter: **Samuel G. McConnell**, *Vice President Business Development*, BIOENERGY INTERNATIONAL, LLC

Presenters:

Fred E. Below, *Professor of Crop Physiology*, UNIVERSITY OF ILLINOIS

Dr. William L. Rooney, *Professor, Sorghum Breeding & Genetics – Chair, Plant Release Committee*, TEXAS A& M UNIVERSITY

12:00 – 1:30 *Group Luncheon*

Sponsored by PRAJ SCHNEIDER, INC.

*Luncheon Remarks by **Chuck Schneider**, President, PRAJ SCHNEIDER, INC.*

Session Two:

ENERGY HOUSE OPTIMIZATION STRATEGIES

1:30 – 1:45

INTRODUCTION BY THE SESSION LEADER

Warren D. Barnes, *Vice President*, FRAZIER BARNES & ASSOCIATES

- Identifying and evaluating energy house optimization strategies
- Pros and cons of the options
- Implementation timeframes
- Implementation challenges

1:45 – 2:15

THE DISTILLATION SYSTEM

- Survey of the technology—what is on the market today
- Economics and business models
- Technology risk
- Players
- Engineering requirements

Moderator:

Warren D. Barnes, *Vice President*, FRAZIER BARNES & ASSOCIATES

Panelists:

Jayant Godbole, *Vice President*, PRAJ INDUSTRIES LIMITED

Mark Shmorhun, *Vice President of Business Development*, DELTA-T CORPORATION

Dan Summers, *Tray Product Manager*, SULZER CHEM-TECH

2:15 – 3:00 **THE DRYING SYSTEM**

- Survey of the technology—what is on the market today
- Economics and business models
- Technology risk
- Players
- Engineering requirements

Moderator:

Warren D. Barnes, *Vice President*, FRAZIER BARNES & ASSOCIATES

Panelists:

John Caffrey, *Manager Dryer Group*, ICM, INC.

Stewart Gibson, *Manager, Process Engineering & Industrial Sales*, ANHYDRO, INC.

Kosta Kanellis, *Agri-Foods Industry Manager*, BARR-ROSIN, INC.

Jeff Noland, *Executive Vice President*, RONNING ENGINEERING COMPANY, INC.

3:00 – 3:15 **ALTERNATIVE ENERGY STRATEGY**

REPLACING NATURAL GAS WITH BIOGAS

Patrick Travis, *Business Development*, ENERGY PRODUCTS OF IDAHO

3:15 – 3:45 *Networking Break*

Session Three:

**SECURING CAPITAL TO FINANCE
PLANT RESTRUCTURINGS AND OPTIMIZATION PROJECTS**

3:45 – 4:45 **WORKING WITH PROJECT LENDERS AND INVESTORS TO SECURE CAPITAL TO INCREASE PROJECT COMPETITIVENESS**

- Seeking additional investment/loans to:
 - Enhance project efficiency
 - Produce enhanced value co-product
- Seeking technology partners willing to provide investment for facilities which will process existing co-products into higher value products
- Working with lenders to initiate or increase working capital loans to allow projects to take advantage of opportunistic feedstock purchases (off-spec corn, barge or unit train quantities, foreign sourced feedstock)

Moderator: **David T. Quinby**, *Member*, STOEL RIVES LLP

Panelists:

Pauline Doohan, *Partner*, BAKER & MCKENZIE

David Fennema, *Managing Director*, MARATHON CAPITAL LLC

David Gutman, *Managing Partner*, MOMENTUM ADVANTAGE

Michael Panteloganis, *Executive Director*, WEST LB

Jerome P. Peters, *Senior Vice President & Group Director For Project Finance*, TD BANKNORTH PROJECT FINANCE

4:45 – 6:15 **Cocktail Reception**
Sponsored by DELTA-T CORPORATION

Friday, May 16, 2008

Session Four:

PRODUCT AND CO-PRODUCT OPTIMIZATION OPPORTUNITIES

8:30 – 8:45 **OVERVIEW BY THE SESSION LEADER**

- Identifying and evaluating product and co-product opportunities
- Pros and cons of the technology options
- Implementation timeframes
- Implementation challenges

Catherine Grover, *Director*, LUMINATE, LLC

8:45 – 9:45 **CORN OIL EXTRACTION**

- Survey of the technology—what is on the market today
- Economics and business models
- Technology risk
- Players
- Engineering requirements

Moderator:

Catherine Grover, *Director*, LUMINATE, LLC

Panelists:

Dr. Vahik Krikorian, *Manager, Research & Development*, PRIMAFUEL

Robert Moreau, *Research Chemist*,
AGRICULTURAL RESEARCH SERVICE

Michael Morgan, *Business Lead*, RENESSEN, LLC

Brad Ulrich, *Director of Technology*, MOR TECHNOLOGY, INC.

David Winsness, *Chief Technology Officer*, GREENSHIFT CORPORATION

9:45 – 11:00 **CORN FRACTIONATION**

- Survey of the technology—what is on the market today
- Economics and business models
- Technology risk
- Players
- Engineering requirements

Moderator:

Catherine Grover, *Director*, LUMINATE, LLC

Panelists:

Warren D. Barnes, *Vice President*, FRAZIER BARNES & ASSOCIATES
Daniel Claycamp, *President*, MOR TECHNOLOGY, INC.
Will Duensing, *President*, CEREAL PROCESS TECHNOLOGIES
Neal Jakel, *DST Program Manager*, DELTA-T CORPORATION
Jeff Kazin, *General Manager for the Extracts projects*, RENESSEN, LLC
Jeff Scharping, *Product Development*, ICM, INC.
Brian Williams, *Director of Marketing & Business Development*,
BUHLER, INC.

11:00 – 11:15 *Networking Break*

11:15 – 11:45 **MODIFIED WET MILL**

- Survey of the technology—what is on the market today
- Economics and business models
- Technology risk
- Players
- Engineering requirements

Presenters:

Steven Danforth, *Principal*, AGRI PROCESS INNOVATIONS, INC,
Consultant, MAIZE PROCESSING INNOVATORS, INC.
Troy Lohrmann, *Vice President*, QTI, INC.

Session Five:

**NEXT GENERATION TECHNOLOGIES:
WHAT ARE THE OPPORTUNITIES FOR
PLANT OPTIMIZATION PROJECTS**

11:45 – 12:45 **NEXT GENERATION TECHNOLOGIES**

- The vision of the integrated biorefinery
- The status of industry developments
- The potential application of biorefinery technologies to plant optimization projects
- What biorefinery technologies are currently on the market
- What type of opportunities do they offer plant restructuring and optimization projects?
- What is the business case for these technologies?

Moderator:

Lawrence J. Russo, Jr., *Office of the Biomass Program, Energy Efficiency and Renewable Energy*, U.S. DEPARTMENT OF ENERGY

Panelists:

Carol Babb, *Senior Process Consultant*, R.W. BECK
Eric Connor, *Senior Vice President*,
THERMOCHEM RECOVERY INTERNATIONAL

Dr. Kulinda Davis, *Manager, Business Development – Emerging Technologies*, PACIFIC ETHANOL

Craig Evans, *Biofuels Project Consultant*, ALICO ENERGY, LLC

Ross MacLachlan, *President & CEO*, LIGNOL ENERGY COMPANY

12:45

Adjournment