



Biomass Finance & Investment Summit

January 26-28, 2009 | Miami, FL

PRE-SUMMIT BIOMASS TECHNOLOGY BRIEFING January 26, 2009

About The Briefing

The future of the biomass market will be shaped largely by the fate of a variety of advanced biomass technologies under development. The Briefing will provide a report on the status of the development and commercialization of these technologies. The goal is to furnish insight into when these technologies will be ready for primetime and provide the foundation for financeable biomass projects. The Briefing will review these technologies in connection with the requirements of the markets they are intended to serve and will

- Assess their current state-of-the-art and expected future developments
- Report on their technical challenges and commercialization timelines
- Evaluate their ability to be successfully scaled up
- Asses their economic implications
- Appraise their operating histories and risk characteristics

BRIEFING AGENDA

9:00 – 9:15 *Welcome & Introduction by the Briefing Leader*

Chris J. Zygarlicke, *Deputy Associate Director for Research, ENERGY & ENVIRONMENTAL RESEARCH CENTER*

Session One

Solid Waste to Energy Technologies

9:15 – 10:15 **MUNICIPAL SOLID WASTE TO ENERGY TECHNOLOGIES**

- Proven Technologies (mass burn and processed fuels)
- Emerging Technologies (Pyrolysis, Gasification and Anaerobic Digestion)

Harvey W. Gershman, *President, GERSHMAN, BRICKNER & BRATTON, INC.*

10:15 – 10:45 *Break*

Session Two

Biomass to Power Technologies

10:45 – 11:15 **BIOMASS CO-FIRING TECHNOLOGIES**

Evan Hughes, Ph.D., *Consultant, BIOMASS ENERGY AND GEOTHERMAL ENERGY*

11:15 – 11:45 **ANAEROBIC DIGESTERS TECHNOLOGIES**

Sumesh Arora, *Director of Strategic Biomass Initiative, MISSISSIPPI TECHNOLOGY ALLIANCE*

11:45 – 12:30 **GASIFICATION AND PYROLYSIS TECHNOLOGIES**
Chris J. Zygarlicke, *Deputy Associate Director for Research,*
ENERGY & ENVIRONMENTAL RESEARCH CENTER

12:30 – 1:45 *Group Luncheon*

Session Three
Biomass to Fuel Technologies

1:45 – 2:30 **THERMOCHEMICAL TECHNOLOGIES**
Richard Bain, *Principal Research Engineer,*
NATIONAL RENEWABLE ENERGY LABORATORY

2:30 – 3:15 **CELLULOSIC ETHANOL FROM BIOMASS: PRE-TREATMENT TECHNOLOGIES**
Don Higgins, *Senior Scientist,* NOVOZYMES

3:15 – 3:30 *Break*

3:30 – 4:15 **MICROBIAL TECHNOLOGIES**
Jonathan Gorham, *Manager, Business Development,*
QTEROS, INC. (Formerly SUN ETHANOL)

4:15 – 5:00 **HYDROCARBON TECHNOLOGIES**
Dr. Carla Shoemaker, *Research Associate/Bioenergy Program,*
AUBURN UNIVERSITY

5:00 *Adjourn*