

COUNCIL OF INDUSTRIAL BOILER OWNERS  
**Renewable Energy, Fuels &  
Efficiency Technology Conference**

April 5-7, 2004

The Peabody Hotel-Memphis ■ Memphis, Tennessee

**Jay Hofmann**  
Trinity Consultants, Inc.

Communication, Education and Outreach Committee Chairman

**Douglas B. Peet**  
Trigen-Cinergy Solutions of Rochester  
Conference Chairman

**A conference where Industrial Boiler Owners & Operators come together to:**

Review the technical details of energy efficiency & biomass combustion, application and design for industrial operations; and

Learn how renewable energy technology might be available to the industrial facility to improve energy reliability, security, sustainability and long term energy costs; and

Hear the latest on environmental regulations, energy tax credits, Renewable Portfolio Standards and energy legislation impacting industrial energy users and producers; and

Understand the capabilities & limitations in fuel and technology selection for industrial facilities to meet new & existing regulations; and

Network with owner operators to discuss opportunities, experiences, problems and solutions for energy technology applications in the industrial power house.

**A CIBO conference focusing on:**

**The application of renewable energy, fuels & energy efficiency technologies for Institutional, University and Industrial & power houses.**

With the Energy Bill coming, with the Boiler MACT here, with the Interstate Air Quality Rule (IAQR) coming, with natural gas prices looking like they will remain high for the long term and with a new relationship needed with the Utility industry, there is no better time for our members and the industrial community to consider renewable energy, biomass and other opportunity fuels and energy efficiency. This April conference is the conference that will address this; and, help companies integrate the energy and environmental complexities plaguing the powerhouse. This conference will look at energy and environmental compliance with technologies that actually have a return on investment.

**PROGRAM**

**Monday, April 5, 2004**

1:00-5:00 PM

**Conference & Forum Registration**

2:00 **Industrial Energy Forecast for  
Conventional Fuels and  
Considerations for Biomass**

3:00 **Informal Shirt Sleeve Sessions  
General Discussions**

CIBO's participant forums will convene on the Monday afternoon prior to the conference with an overall Energy Forecast. Facility owners, operators, regulators and engineering support participants will focus on the applicability and fundamentals of renew-

able energy technologies, biomass, byproduct and waste fuels for the industrial energy facility. This discussion and subsequent summary presentations at the beginning of the conference will help focus the presentations and discussions of the conference to maximize its benefits to all participants.

**The participants will address the issues important to the industrial energy facility and report on the discussions in the open conference session Tuesday morning. Some of the questions to be addressed in the sessions could include:**

At what natural gas price do companies look for alternative fuels? Where do you look?

**cibo** conference

How will the new MACT environmental regulations impact the renewable energy, fuels, and efficiency decision process within industry?

How do you convert potential energy projects in industry to real energy actions and savings?

What training is available, being used and needed?

Is there a role for the Certified Energy Manager Program? Is there a role for the corporate energy manager? If so, what is it? If not, why not?

**5:00 Shirt Sleeve Sessions Adjourn**

5:30-7:00  
**Registration, Welcome Mixer and Exhibits**

**Tuesday, April 6, 2004**

7:00 AM  
**Conference Registration**

7:00 **Continental Breakfast**

8:00 **Summary and Discussion of Shirt Sleeve Sessions Results**

Representatives from individual forums will present a summary of their discussions and answers to the above questions for general consideration and discussion by all participants.

9:45 *Coffee Break*

10:00 **Fundamentals of a National Energy Bill**  
What is the state of the National Energy legislation — from the House to the Senate to the White House. “The Good the Bad and the Ugly” for the industrial Sector.

11:00 **Environmental Regulations Impacting Energy Decision Making**  
NSR, Boiler MACT, Interstate Air Quality Rule, and The State SIP Process will be discussed in light of the benefits Energy Efficiency upgrades, Combined Heat and Power and biomass and fuel choice options can have on environmental compliance and competitiveness in 2007.

Noon *Lunch and Exhibits*

1:30 **Technical Conference Reconvenes**

1:30 **The Energy Audit – With Industry and Institutional Case Studies**  
What is it? How do you do it? And, what are the results? An overview of the process and Energy Audit checklist will be discussed with case studies to show process and results for industrial and university installations. How do I maximize energy efficiency?

3:00 *Coffee Break*

3:15 **Combined Heat and Power for Industrial, Commercial and Institutional Facilities**

3:15 **Recycling Energy – An Untapped Industrial Resource**

3:45 **Cogeneration, Emergency and Backup Power Systems for the Powerhouse**

A panel will address solid, liquid, gaseous systems including Biomass and Bio diesel fuels applications.

5:30 **Meeting Adjourns**

5:30-7:30  
**Mixer and Exhibits**

**Wednesday, April 7, 2004**

7:00 AM  
**Continental Breakfast**

8:00 **Meeting Reconvenes**

8:00 **Fundamental of Biomass Combustion — A Workshop**

An overview of the combustion and boiler design technology, considerations, problems and solutions for existing unit applicability and new unit evaluation will be presented with sufficient time for individual questions and discussion.

9:30 *Coffee Break*

9:45 **Deep Bed Combustion of Biofuels in New and Existing Boilers**

10:15 **Fluidized Bed Combustion for Biomass Fired Boilers**

10:45 **Case Study and Operation of the Largest District Energy Cogeneration Plant Burning Biomass as a Fuel**

11:15 **Project Design Manual for a 5MW to 50MW Biomass Reference Plant**

Noon *Lunch*

1:15 **On-site Fuels Availability and Opportunity Fuels Consideration, Maximizing Fuel Flexibility**

1:45 **Biomass Energy Projects Development, Specification and Financing**

2:30 **Energy Efficiency, Biomass and Renewable Project Funding Assistance**

3:00 **Conference Adjourns**

*1.5 CEU's will be awarded for attendance at all sessions.*

All attendees will receive a CD copy of the conference proceedings approximately 6 weeks following the meeting.

**Visit our World Wide  
Web site at  
<http://www.cibo.org>**

## Hotel and Transportation Information

**The Renewable Energy, Fuels & Efficiency Technology Conference** will be held at The Peabody-Memphis, Memphis, Tennessee. Please call the hotel directly at 1-800-732-2639 (press #2). A block of rooms has been set aside at the special rate of \$139 single/double per night. **The cutoff date for reserving rooms at this rate is March 19, 2004.** Late reservations will be accepted on a space-available basis. Be sure to mention "CIBO" when making your reservations. If you have any problems in reserving a room please contact CIBO.

## Parking

Currently parking for registered guests is \$12.00 per day and \$5.00 additional charge for Valet parking. Hourly rates apply to non-registered guests. These prices are current and are subject to change.

## Airline & Rental Car Information

**Delta Airlines** is our official carrier for this conference. To receive our discount, call 1-800-241-6760 and provide the Reservations Agent with our **code: 201819A**. **Avis** is our official rental car for this conference. When making reservations with **Avis** please refer to the **Avis Worldwide Discount Number J996803**.

## Transportation from Airport

Downtown Airport Shuttle offers transportation to and from the Memphis Airport. The price is \$12.00 one-way or \$20.00 round trip. The shuttle picks up every hour on the half hour outside Baggage Claim.

## Who Should Attend

Plant Owners & Operators, Equipment Manufacturers, Architects & Engineers and Service Suppliers interested in energy supply, security and alternatives. Anyone involved with the long-term energy and environmental planning for an industrial facility should be here.

## About CIBO

The Council of Industrial Boiler Owners (CIBO) is a broad-based association of industrial boiler owners, architect-engineers, equipment manufacturers, and university affiliates. They represent more than 20 major industrial sectors. CIBO was formed in 1978 to promote the exchange of information between industry and government relating to energy and environmental policies, laws, and regulations affecting industrial boilers. CIBO has been involved in the development of technically sound, reasonable, and cost-effective regulations for industrial boilers.

You can obtain further information about CIBO, including a list of proceedings from previous conferences and other available publications at <http://www.cibo.org>.

## Exhibits

CIBO will once again have an exhibit area in conjunction with the conference. For full details, please check the appropriate box on the registration form, check out our web site information at [www.cibo.org](http://www.cibo.org) or call CIBO at 703-250-9042.



## Renewable Energy, Fuels & Efficiency Technology Conference Registration

April 5-7, 2004

The Registration fee for the Renewable Energy, Fuels & Efficiency Technology Conference is \$695 (\$495 for CIBO Members, \$200 for Government Regulators and University Students). This fee covers all meeting materials, breakfasts and lunches. Advance payment is preferred. We accept cash, check, VISA, MasterCard, and American Express. All registrations should be received by CIBO by March 30, 2004. Late registrations will be accepted on a space-available basis. To register, call CIBO or fax or mail a copy of the form below.

Registrar/Council of Industrial Boiler Owners  
6035 Burke Centre Parkway, Suite 360  
Burke, VA 22015-3757  
Phone: 703/250-9042 Fax: 703/239-9042  
E-Mail: [cibo@cibo.org](mailto:cibo@cibo.org)

Please check one:  CIBO Member  Non-member

Please send me information on exhibit booths.

NAME \_\_\_\_\_

FIRST NAME (FOR BADGE) \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

BUSINESS PHONE (\_\_\_\_) \_\_\_\_\_

FAX (\_\_\_\_) \_\_\_\_\_

IE-MAIL ADDRESS \_\_\_\_\_

### Method of Payment

Check enclosed. (Make check payable to CIBO)

Please charge my credit card:

VISA  MASTERCARD  AMERICAN EXPRESS

EXP. DATE \_\_\_\_\_ CARD NUMBER \_\_\_\_\_

PRINT NAME AS IT APPEARS ON CARD \_\_\_\_\_

CARD HOLDER'S SIGNATURE \_\_\_\_\_

**Payment total \$** \_\_\_\_\_

### CIBO Cancellation Policy

Cancellations received less than 10 days prior to the forum are subject to a \$150 service charge. Attendee substitutions may be made at any time.

# cibo Conference

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6035 Burke Centre Parkway  
Suite 360  
Burke, Virginia 22015

