



BoilerBlast News

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**Sept 15-16, 2009
Technical Focus
Group/Env/Energy
Committee
Meetings
Arlington, VA**

CIBO's 2009 Conferences

**August 3-6, 2009
Industrial
Emissions Control
Technology VII
Conference
Regulatory
Workshop
Portland, ME**

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Energy

Has anyone heard the radio commercial by T. Boone Pickens promoting Natural Gas as the interim solution for all our energy and Climate Change problems? It would be interesting to ask him in a congressional hearing how much money he would earn for each Dollar per Million Btu as the price of Natural Gas goes up. It seems the Energy and Climate debate are one and the same. With the passage of Waxman-Markey "The American Clean Energy and Security Act of 2009," (ACES) all 1,200 pages of it, and a pledge by the Senate leaders that they will bring it up in September, we are seeing everyone and his brother up on the Hill and in the news trying to secure a piece of the pie and some commercial advantage for their technology or company, just like Pickens. Someone else's commercial advantage and guaranteed revenue are usually increased costs to industry. Energy Efficiency and Combined Heat and Power (CHP) are the lowest cost solutions to energy demand and CO2 reduction providing immediate cash flow benefits to the facility and not to someone else's revenue stream. CIBO efforts continue to be focused on Fuel Flexibility, Energy Efficiency and CHP as the keys to the lowest cost options to maximize energy and maintain a globally competitive market place in the US. CIBO does not take a position on Cap-and-Trade or whether or not the earth is heating or cooling. If for some reason some scientists are correct and the earth is actually cooling, we have much bigger energy problems than we can ever imagine if those other scientists who say CO2 is causing it to heat up are right. As we get complete updates of what is in the ACES Act, we will be sending it out to the Energy Committee and begin drafting our response for the Senate legislative process. Our September Committee Meetings could not be any better timed for what is going to be happening.

Environment

The two most important environmental issues facing our members and the Industrial, Commercial and Institutional (ICI) Energy Community as a whole are the new Boiler MACT to be proposed with all its associated encumbrances (Area Source MACT, CISWI & the OSW Fuel Definition) and the new Clean Air Interstate Rule (CAIR) that the states and Environmental Non-Government Organization (ENGO's) would like to include industrial and institutional stationary sources. The most chilling (not to help Global Warming) observation to date with this New Administration has been that what the ENGO's want (whatever they want) they get. That being said, the thought that some rule may be proposed that has some degree of reasonableness and achievability at a cost that might even be bearable may only be a figment of optimistic imagination. It will take the sustained and knowledge based effort to bring reality to the debate and possibly to the final rules. Each of us will have to know, without a doubt, what can, in reality, be done at our facilities and, what options are available. See the IECT Conference information below.

Boiler MACT – EPA has asked for, and been given a 60 Day extension to propose the Boiler MACT until September 15th or there abouts. This is still one month prior to when the sampling results from the Boiler MACT Testing ICR are to be final. Whatever the case, we should hear the timing for the proposed rule at the IECT. The Health Based Compliance Alternative (HBCA) is one of the Key issues that the ENGO's are "Dead Set Against." If we do not have the opportunity to comment on it from preamble language, it could be lost forever and everyone will have to look at scrubbers for HCl removal or shift to natural gas regardless of whether they have a health impact or not. If the rule is developed as the ENGO's would like, from the individual surrogate best performing 12% of CO, PM 2.5, HG, and HCl, it will be impossible to comply with the rule. To our knowledge there is no single boiler in the country that is actually in the best performing 12% of all four surrogates. This is the NACAA Model Rule.

CAIR & CAIR-Plus – If NOx and SO2 control are required under some form of CAIR Rule covering ICI boilers, our problems are compounded by an order of magnitude. As light reading, all the stakeholder meeting reports from EPA CAIR Stakeholder meetings are now up on the CIBO website. Check them out. The old days when only the greater than 250 MMBtu/ hr units had to do something are looking to be moving to the history books much sooner than we would have expected less than a year ago. The implications of a new CAIR Rule for ICI units could be significant, since Boiler MACT limits will be effective on proposal with some compliance grace period. Two weeks from now in Portland, a good place to start.

Technical

Assuming the laws of physics cannot be changed by the new administration, as we can see from the above, the challenge for our technical people will be to find ways to generate energy under environmental emission limits that heretofore have been impossible to meet all at the same time. It is a good thing we have started the technical discussion forums, and the last on Energy Efficiency this past June was very successful. The September forum will be associated with Alternative Fuel

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Applications to existing boilers, especially solid and liquid fuel systems. Like the last time, we expect a few presentations and at least an hour for discussion on the subject. We will also make this three hour block available via a Webinar Hookup.

The detailed agenda should go out after we return from the IECT Conference in Portland. These discussions will grow in importance as we try to find ways of generating energy and meeting new environmental standards.

DOE-ASME's Energy System Assessment guidelines (Steam, Pumping, Process Heating and Compressed Air) are out for Ballot/Comment by the ASME Committee, with a closing date of August 9, 2009. Bob Bessette has asked for at least 30 and up to 60 days to review the standards and the Beta Test results to be assured they work before the close of the Ballot period. It is almost as if there are pressures being placed on ASME to get the standards out ASAP, for whatever reason, without regard to real input or review of how they arrived at the final standard. It is interesting how the ANSI/ASME process for unbiased standards development in a transparent way can seem anything but that. Stay tuned; this could be very important as Climate Change (formally Global Warming) legislation goes to the Senate with a Renewable Portfolio Standard where Energy Efficiency can be used to offset the requirements.

Industrial Emissions Control Technology (IECT) VII Conference and Regulatory Workshop – August 3-6, 2009, Holiday Inn By The Bay, Portland, Maine --

There has probably never been a time when more was happening to impact the Industrial, Commercial, and Institutional (ICI) Energy Sectors than at the present time. All emissions are being considered – NO_x, SO₂, Particulates, CO, CO₂, HCl, and Mercury. No ICI boiler is exempt - No matter how small or where they are located. CIBO's seventh Industrial Emissions Control Technology Conference is focusing on the operations, management, performance, technology developments and regulations impacting ICI boilers and what's needed for Boiler and Area Source MACT, NO_x SIP, CAIR, CAIR Plus, and Title V. We will again hold the Regulatory Compliance Workshop on August 6 with Regulators, Technology Developers, Owners and Operators to discuss how we get to "Where?" from "Here?" A conference program and on-line registration is on the CIBO website www.cibo.org under 2009 Calendar. CIBO's room block at the Hotel is gone. It may be possible to get something on a space available basis. In any case if you have problems, call the CIBO Office. There is one table top left in the Exhibit area. Contact Gail Bessette @ 703-250-9042 for exhibit information.

Annual Membership Survey

The extremely important annual membership survey will be sent to Principle Representatives later this month. Please take a few minutes to provide valuable feedback to guide CIBO's efforts in strategy development and allocation of resources for maximum benefit to members. The survey database includes responses from the previous year, so it's very quick incremental change for those who responded last year. Also, the number of survey questions has been significantly reduced. **Please complete the survey by August 31st.** Survey results will be reviewed by the committees at the September Committee Meetings, summarized and discussed at the Annual Meeting in October. It will be used to develop CIBO's strategy for 2010 and respond to the New Administration and the unprecedented level of Change.

31st Annual Meeting - October 14-16, 2009 - Omni La Mansion del Rio, San Antonio, Texas

This year's theme is "The Convergence of Energy, Environment, & The Economy Under the New Administration of Change." Risks associated with making industrial energy and environmental decisions and developing a cogent energy strategy today are more difficult than ever as the lines between Energy, Environment and Economy are blurred. This year's agenda will bring the best people together to help us use CIBO's unique capabilities and strengths to help our members understand the interrelationships of energy and environmental issues and the current economic realities to better develop integrated energy and environmental strategies for the near and long-term. You will not want to miss CIBO's 31st Annual Meeting. Invitation packets have been mailed. If you did not get your invitation and would like to go, let us know.

From the President's Desk – Bob Bessette –

After one week back from a two week vacation, it amazes me how much difference there is between here (Washington, DC) and out there in the real world. Politics and power here struggle with what is important to the person out there in the real world trying to find a few minutes to relax on the beach without having to ask the government first. We could not have asked for better timing of any of our meetings. We will see what could be in store for us in a couple of weeks on the environmental issues; we will be perfectly timed for the Committee Meetings after Labor Day to cover our energy issues and Climate Change (formally Global Warming); and our Annual Meeting planned for the middle of October could not be better timed to assess how Energy and Economics Converge with Economic Survival. We wanted change and we surely are getting it; and, it is not pennies, nickels, dimes and quarters. It is in Billions and Trillions of dollars and reaches the core of how we can generate the cost effective and reliable energy needed to sustain the American way of life. Our issues are in the center of the discussion. I doubt if there has ever been a more critical time in our history regarding our energy and environmental issues and economic survival.

We are proud to profile:



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Since 1913, Stanley Consultants has been involved in the design of power generation facilities. Projects have included biomass, coal, gas and oil-fired generation, as well as hydroelectric generating facilities. We have provided design services to over 200 utilities with systems from 2 MW to over 4000 MW.

We have provided engineering, design, construction management, and inspection services for over 10,000 MW of power generating facilities. These power generation projects have ranged in size from 750 KW to 825 MW, have been designed around all types of technologies and configurations, and have been installed worldwide.

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Solar

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Free Cooling

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Wastewater

Building Commissioning and Recommissioning

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Associate Members, if you would like to see your company profiled, please contact C. Marriott at cmarriott@cibo.org or (703) 250-9042.