



*Representing the Interests of America's Industrial Energy Users Since 1978*

# Boiler Blast News



FEBRUARY 2018

**Energy** - Does anyone remember the TV show about the Clampetts? When you look at the price per barrel on the world market (again in the \$70 Dollar per Barrel range) and the new Tax Reform Bill, we could see a lot more people heading toward Hollywood. When the value of the liquid side of oil production goes up the value of the gaseous portion tends to go down to a point that it is flared to keep the liquids flowing. All this is probably good for us in many ways. Last week's State of the Union address by President Trump was bullish on US energy. The War on Coal is over. Energy transportation infrastructure with decreased permitting time is on the horizon. While this sounds good, maybe even great to us, it is a rallying cry to the ENGO and Global Warming activist. If we do not pay attention and make sure the real world is presented and our voices are heard, as with the Clampetts, the differences between what we think should happen and what does happen in the different and unreal world of the US legal system and Washington politics could very well change the outcome. In the "Beverly Hillbillies," that voice was probably Granny

The way we look at Energy is changing. Up until 10 or 15 years ago, the production plant was built around a central energy generating plant producing mostly steam, the least expensive usable energy available from

burning fossil fuels (Coal that is), and occasionally electricity when using a topping steam turbine. There are a lot of good reasons for that. Moving steam required insulated pipes and steam traps to get it to where it was needed and sometime to return it as condensed hot water. Today, that is still the most cost effective and efficient way of using energy for process needs in most industries and at most institutions. Although, today in most instances without the need for significant amounts of process steam, the central energy generating plant designed for a whole facility and all its energy needs has given way to a distributed energy system with energy generating choices picked from a wide range of alternatives from engines, turbines, renewable energy sources, hot water boilers and smaller boilers to heat recovery devices that can be matched for the specific need while taking into consideration the environmental and sustainability goal and objectives of the facility or institution. In the old days, the central station was as it indicated, Central. Today the primary energy source is only one of the prime concerns that must be integrated in to the overall design, construction and operation of today's industrial or institutional energy operation. With electrification becoming more prevalent and the producers wanting the electric rates in California, at greater than 20 Cents per Kwh (\$58/MMBtu), the drivers are there to promote

regulations and requirements that directly or indirectly increase the cost and its competition. Helping our members put this all together is what CIBO does best.

There is a DOE Notice of Intent for Upcoming Funding for Flexible CHP for Grid Reliability and Resiliency: The Advanced Manufacturing Office intends to issue a Funding Opportunity Announcement (FOA) entitled "Flexible Combined Heat and Power (CHP) for Grid Reliability and Resiliency" in February 2018. It is anticipated that the FOA may include two areas of interest to research enabling technologies for CHP systems that are specifically designed to provide cost-effective support to the electric grid. Learn more about this notice of intent, and look for an official FOA announcement next month.

**Environment** - Good News/Bad news. Good news first. Under the Trump Administration and Bill Wehrum's leadership at the Office of Air and Radiation (OAR), there continues to be good news regarding the environmental issues plaguing us from past generations of the US EPA. The latest of these was the overturning of the Once In Always In MACT policy that now lets a company reduce emissions to below the Minor Source Threshold and thereby become a Minor Source. If that is done for a Natural Gas fired boiler, that unit no longer has any

requirements under Area or Major source MACT. There continues to be positive comments and rumblings regarding the things to be coming out that while maintaining a clean and progressively cleaner environment will provide a significant incentive for a strong, prosperous and growing economy. Just announced on February 6th is a DOJ bar on EPA prohibiting their attorneys from using agency (any agency) guidance as the only basis for civil enforcement actions. This will definitely be helping industry and hindering EPA in future regulatory enforcement efforts. We will hear a lot more about these during the March Committee Meetings. Check out the agenda on line.

Now for the Bad news. While the above is going on and we are relatively happy, content and maybe growing somewhat complacent, the other side, the ENGO community and environmental activists do not have the same general feelings. They are not necessarily happy campers. Fires ignited within their communities with the election of Donald Trump that generated tremendous contributions to the ENGO community to stop any change have burned, the first fuels are now smoldering without much to litigate against and quench the embers. As the Administration continues to add changes, modifications and interpretations that they cannot touch, (Fuel), the time gets closer to where the whole thing can go up in flames. Have you seen the articles about personnel air sensors and getting them out to their members?

[From Greenbizz.com; can pollution-sniffing sensors drive climate action? GreenBiz.com AirAware's co-founders seek to raise public awareness and drive higher levels of community accountability. Read the full story] <https://www.greenbiz.com/article/can-pollution-sniffing-sensors-drive-climate-action>

As the EPA turns over most of its enforcement to the states, there will be a point where, if the ENGO community or the lone activist feels nothing can be done, they will find ways to do it themselves. We are hearing reports of cases where citizens' action is having an impact on industry and institutions today. The growing frustration in the ENGO Community will lead to problems for those not prepared for the full range of citizens' action possibilities.

## Technical Focus Group, Energy & Environmental Committee Meetings –March 13-14, 2018 Arlington, VA

Focus Group Topic is *Integrating Energy (50001) and Environmental (14001) for Implementing Sustainability*

Key topics of Committees to be addressed include: Energy Accounting Drivers and Actions, Sustainability Standards, and NSR, Clean Power Plan, WOTUS, MOG, CCR, Citizens Enforcement, Litigation & Regulatory Updates.

## Technical

### CIBO 2018 Conferences:

***The Boiler Operations, Maintenance, and Performance Conference*** will be held May 14-16 in Hershey, Pennsylvania. This conference will solely focus on operations, systems management performance and maintenance issues for the powerhouse as we look at what it will be and where we have to be in the new energy era. This is where we consider the real issues of making and using the energy we need to make or support our core businesses. The conference will continue to provide time for FBC, Stoker, Gas and Oil fired boiler owners to address their unique concerns. An optional tour will be offered Thursday AM May 17th of the York County Resource Recovery Center plant. The conference agenda and registration is on the Website. There are still a few spots that can be filled. If you would like to make a presentation or would like a specific topic addressed, we need to know by Friday February 16th. If you would like to participate contact Gail at < Gail@cibo.org >. As with all CIBO conferences, CIBO members have priority along with Case Studies. As you look at the conference agenda, the speakers, technical content and subject matter is probably the best ever when looking at power house operations performance and maintenance in the world we live in today by the plant operators, engineers, maintenance staffs and energy managers.

***The Industrial Emissions Control Technology XVI Conference*** will be held in Research Triangle Park (RTP), North Carolina, July 30-August 2.

Thanks for those who have volunteered to be part of the IECT Planning group. The first

planning conference call will be the last week in February. Anyone not already letting CIBO know they want to join that group should let Gail <Gail@cibo.org> know by Friday the 16th. Our focus this year will again be toward case study compliance presentations and look at the latest emission control technologies coming on line, as well as, addressing the implications of other rules and issues, like the Ozone NAAQS, RICE, Turbine MACT, PSD, NSR, modeling, monitoring, data collection, and enforcement along with the whole host of issues that must be complied with to keep the energy assets of your facility operating. Being located at RTP, North Carolina this year, we expect to have significant participation from our friends at EPA.

A new CIBO Conference: ***Implementing Sustainability – Energy and Environmental Management & Best Practices*** will be held in Arlington, Virginia September 11 & 12, 2018

This conference will be the first to address the reality of implementing the energy and environmental legs of corporate and institutional sustainability plans and objectives. This will be accomplished through a discussion of national policy drivers, energy and environmental technological alternatives, integrated energy and environmental management and implementation best practices. More simply stated, the conference where the “Rubber” of the energy and environmental sustainability drivers hits the “Road” of reality and implementation at the plant energy operations level. This conference will address the technologies and strategies for implementing corporate and institutional sustainability goals and objectives based on national policy drivers in an age of a demand for transparency and demonstration by an educated and activist public. Subjects to be considered will be: Combined Heat and Power (CHP), distributed energy, Microgrids, advanced maintenance and control systems, renewable energy and storage, and demonstration of environmental benefits via the use ISO 14001, ISO 14046, and ISO 50001 environmental, water and energy management systems respectfully. If you or someone at your company wants to be part of the conference development team let us know. We will be starting to put the agenda together after the March Committee Meetings.

## New CIBO Membership Classification – Individual Independent Consultant

This new membership classification is for an individual independent consultant who owns a single person business (sole proprietor, LLC) and is engaged in producing consulting services useful in the permitting, design, construction, operation or maintenance of steam generation, hot water production or cogeneration facilities. Information obtained from CIBO is for the sole use of the Individual Independent Consultant Member. Additional information can be found on the CIBO website.

## From the President's Desk – Bob Bessette

- I'd like to start by welcoming [Satorius Stedim Data Analytics](#) as CIBO's first new member for 2018.

Beware of the Ides of March. Julius Caesar was very comfortable in his leadership of the Roman Empire until Mark Anthony decided to end it rather abruptly on March 15, 44BC – a turning point for Roman history. As I have looked back over the time I have been here, I can see I have grown more cynical. Too many times I think, that cannot happen, and, it does. People are funny especially when they think no one is listening to them or they believe they are in a corner with nowhere to go. As politics begins to dominate our issues and the issues become more polarized, it will be all the more important that some group like CIBO can actually look at the issues to consider what it will take to implement the policies that come out of it and the reactions that will be coming from the "Right" or "Left" extremes of either side not getting what they want. Because of our members, helping to define the reality and plan for possible reactions is what CIBO does best.

## 2018 Events

**March 13-14/June 5-6/Dec 4-5 - Technical Focus Group, Energy & Environmental Committee Meeting** / Hilton Garden Inn, Arlington, VA

**May 14-16, May 17 Tour – Boiler Operations, Maintenance and Performance Conference**, Hershey Lodge, Hershey, PA

**July 30-Aug 2 – Industrial Emissions Control Technology XVI Conference**, Sheraton Imperial Hotel, Durham, NC

**Sept 11-12 – Implementing Sustainability – Energy and Environmental Management & Best Practices**, Hilton Garden Inn, Arlington, VA

**Oct 24-26 – 40<sup>th</sup> Annual Meeting**, Lowes Ventana Canyon, Tucson, AZ