



Boiler Blast News



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

MAY 2017

Energy The President's 2018 (October 1, 2017 through September 30, 2018) Budget is out. It seems all you hear around here is, "you're killing me and the country – don't take away the government subsidies." Here is a copy from a Blog Post without attribution:

"The Trump Administration seeks crippling cuts to programs that accomplish the very goals of the proposed 2018 budget: jobs, economic growth, international competitiveness, and putting taxpayers first.

Federal energy efficiency programs help bring back American manufacturing so it can compete globally, create domestic jobs by fixing market failures such as split incentives and poor information, and transform waste into wealth by putting dollars back into the economy through fuel savings. They help taxpayers pay their bills, and some even directly decrease federal spending while creating jobs. These programs support the largest

job creator in the US energy sector - energy efficiency - which accounts for at least 2.2. Million jobs."

We all know that some subsidies are in the nation's best interest. We also know that any energy efficiency project that makes economic sense in the company overall sustainability plan will get funding and be carried out. The drive to develop Sustainability Plans for companies and institutions has probably done more for promoting energy efficiency than anything else to date – including incentives. As the battle to protect incentives and subsidies intensifies, the probability that we can see a "clean" (without riders for parochial subsidies and incentives) Bill will be virtually impossible. Although, "It could happen."

Probably the biggest "Uber" change in the Industrial/Institutional Energy Universe is the rapidly coming electrification of comfort heating and cooling. Process heating probably will not change until the process do. Have

you ever seen a real chef cook on an electric glass top stove? There will continue to be operations that require steam or hot water to do the job in the most sustainable way. Energy efficiency and operations and performance will be the ultimate driver of how we make and use energy. With Natural Gas at \$2.00 to \$4.00/MMBtu for thermal energy and \$0.15/KWh electricity at around \$44.00/MMBtu thermal energy, the direct conversion and use of fuels for process must be supported. This is one of CIBO's greatest strengths. With electrification increasing Combined Heat and Power (CHP) interest are being promoted. However; with the decrease in the Steam (thermal) heating and cooling loads, that makes CHP a little more complicated to justify. The incorporation of renewable energy and batteries within the overall CHP System could mitigate some of these concerns. The DOE is beginning to consider this overall combination. We are beginning to see how we can work

with the ABMA and ELCON to help investigate these possibilities.

Environment The absence of leadership within the top levels of EPA is still stifling any positive movement to correct or modify any of the problems and concerns we have expressed in our comments to the Department of Commerce or the EPA <https://www.cibo.org/resources/>. The politics of the clash between the Washington insiders, the ENGO community, the Democratic minority, and the mainstream media and the Administration's desire for change in the way we do business is making it difficult to do anything. While there is pretty much unity on the issues and concerns, there is not necessarily unity on the resolutions for all the issues and concerns across the spectrum of stakeholders.

Regarding the Boiler MACT Reconsideration, there are rumblings of a 68% decrease in Hg limits and a 30% decrease in HCl limits based on current calculations when considering all the units within the subcategories where only those units burning 90% of the subcategory fuel were included within the initial calculations rejected by the court. We will hear more about this at the June Technical Focus Group, Energy & Environmental Committee Meetings.

With the shift from Government enforcement to state and citizen enforcement evident in the Proposed Federal budget and promoted by the ENGO community, the days of just thinking you are in compliance and not being able to legally prove you are actually complying 24/7/365 are gone. Actually knowing what is being emitted all the time is becoming more and more important – not only for air but water and waste as well. What do you know about the water you use? Zero discharge could be the limits in

the future. We will be addressing these and more at the June Technical Focus Group, Environmental and Energy Committee Meetings and at the Industrial Emissions Control Technology XV Conference this summer in Portland, Maine.

Technical Focus Group, Environmental, Energy Committee Meetings – June 6-7, 2017 Arlington, Virginia

Focus Group Topic is **Water Side Enhancements**.

Key Topics of Committees to be addressed include: National Fuels Energy Outlook, Coal, DOE, CPP/NAAQS, MOG, RCRA, and Litigation & Regulatory Updates. You can check out the agenda on the CIBO Website <https://www.cibo.org/> (Member's only side).

Technical The Boiler Operations, Maintenance, and Performance Conference held last month in Pittsburgh, Pennsylvania brought owners, equipment and service suppliers together focusing on operations, performance and maintenance issues for the powerhouse as we look at what it is today and might be tomorrow, and where we have to be in the era of a rapidly changing energy generation. The optional plant tour of Scrubgrass Generation was a highlight. Attendee surveys gave high marks for both the conference and plant tour. From the comments received from attendees, this was rated as one of the best ever. Boiler Operations, Maintenance and Performance Conferences and are resurging as a top concern for industrial and institutional energy use and production systems.

Presentations along with conference minutes on a flash drive have been mailed to attendees. If you were

unable to attend, conference presentations and minutes on a flash drive can be ordered through the Publications area of the CIBO website (www.cibo.org).

Industrial Emissions Control Technology XV Conference and Optional Industrial/Institutional Air Permitting Workshop - July 31-August 3 in Portland, Maine.

Considering the uncertainty associated with the implementation of a new Administration's agenda and the need to shift momentum about 180 degrees we have a problem. There could not be a better time for the IECT. With a new environmental order where citizen challenges and action will impact any energy or environmental project and need, this year's conference will be focused with much of our attention toward case study compliance presentations, alternatives selections, permitting, and project implementation. We will also 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, modeling, monitoring and data collection along with the whole host of issues that must be complied with to keep the energy assets of your facility operating. The agenda and registration is on-line at <https://www.cibo.org/industrial-emissions-control-natural-gas-conference/>. As we look to the future (Tomorrow), any change to the energy system, other than shutting it down, could be construed to need a permit by some outside organization. The optional Industrial/Institutional Air Permitting Workshop could provide valuable information and insight in this new era of compliance and enforcement.

Higher Logic Communications Platform

We are expecting to have a Beta version of the Higher Logic community based communications platform up and running for the June meetings or shortly thereafter. We have around 150 members who will begin the process, addressing technical concerns, questions, issues and information aimed toward daily operational, performance, maintenance and applications concerns. Any member with questions, concerns and information or presentations in any media format should let us know. All information will be available via member login and password behind the members' only side of the website.

From the President's Desk –

Bob Bessette The best part of any newsletter for me is welcoming a new member. This month, we welcome **Air Monitor Corporation**. As we look at what the future might hold for all our members – the need to KNOW everything that comes in and goes out of our facilities & institutions, and their knowledge and expertise can surely help.

Real information, legally defensible information will be of tremendous value and protection. Over the years, I have come to value the dynamics of change. Trying to prepare for it and stay ahead of it is always a challenge. From our vantage point here at CIBO, that becomes a little easier.

Monday May 29th is Memorial Day. When I was a child, it would have been Tuesday the 30th. I remember the parades and the service by the town common in New England with an American Legion 21 gun salute on the bridge with a wreath thrown into the

river and then one placed at the local Cemetery up the street. We honored the veterans of WWI and WWII. They were still around. Since then there have been more wars and deployments protecting our freedoms and those of others. Hopefully, Monday will be a day for each of us to take a minute or two to remember those who have given their lives for our freedom and ask our God to bless and protect those who volunteer without reservation to defend our constitution and our freedom and those who are now or will be in harm's way doing the same in the future. Hopefully, it is also a day to think about the blessings we have in this great country because of them.

2017 Events

**Jun 6-7/Sept 12-13/Dec 5-6/
Technical Focus Group, Energy &
Environmental Committee Meeting /
Hilton Garden Inn, Arlington, Virginia**

**Jul 31-Aug 3 - Industrial
Emissions Control Technology
XV Conference, Holiday Inn by
the Bay, Portland, ME**

**Oct 18-20 - 39th Annual Meeting,
Ponte Vedra Resort, Ponte Vedra
Beach, FL**

WE PROUDLY PROFILE:



Air Monitor is the leader in combustion airflow and fossil fuel flow measurement systems for boiler optimization, performance improvements, emissions reductions and safety. Accurate and reliable flow measurement systems contribute to achieving higher efficiency and lower emissions by providing the information required to optimize stoichiometric ratios and safely facilitate more stable, complete combustion.

Air Monitor's systems are engineered specifically for the Industrial Process and Power Utility industries to measure Primary, Secondary and Over-Fired Air, Flue Gas Recirculation and Individual Burner Airflow Measurement as well as pulverized coal and natural gas flows.

Air Monitor's manufacturing and airflow testing facilities are located in Northern California. We are the only manufacturer capable of creating and testing large scale airflow mock-ups for the purpose of testing and developing customer specific flow measurement solutions. Air Monitor also offers in situ three-dimensional airflow traverse testing for performance verification and characterization of installed measurement systems. For more info contact Aaron Colby (707) 521-1731 acolby@airmonitor.com