



Boiler Blast News



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Energy - At a Natural Gas Roundtable Meeting the other day, we heard the FERC Chairman talk about natural gas and the fact that there is enough to go around; although, there are a lot of people who don't want any of it to displace renewable energy. Hence, pipeline approval and permitting nightmares can come about. He did not talk about the DOE Grid Report and what might be coming out of FERC in that regard. Prior to his remarks there was some interesting conversation regarding the desire to make or play in policymaking by most people in Washington, DC who have very little, if any, true knowledge of the actual making or using of the energy in the policy they create. This is where CIBO plays. And, as such, the policy makers look and listen to us to assess the potential impacts of the energy and environmental policy they are considering.

On that front at the December Energy Committee Meeting, **Jay Wrobel** from DOE talked about CHP, the update of the industrial energy tools and support activities and the new 50001 Navigator energy support that is available for companies to follow ISO 50001 but not go all the way to certification yet achieve the benefits. DOE is updating the CHP and Efficiency Tools. CIBO will be helping as updates become available. We will provide information to the members who can

test out the initial versions. Some of our members are currently testing the updated Pump Systems Assessment Tool that is based on open system software and usable within today's computer and other communication platforms.

As Water becomes a greater concern at a global, national, state and local level, the nexus between water and energy is similar to that between energy and the environment. They are inseparable. DOE has generated a tool, the Plant Water Profiler. **Ann McIver**, Citizens Thermal, reviewed the Profiler for the members at the December Technical Focus Group, Energy & Environmental Meeting. As with environmental air emissions, water is growing in importance. Every plant must know where their water comes from, what it costs, be able to account for it and know where every drop of it is going as we head to a "Zero Discharge" future. In the world of policy and discussion about sustainability and the great things that are going to happen, someone, some engineer has to figure out how to do it and then make it happen within a budget. In the real world of implementation of policy there is no magic.

Environment - "Twas the night before Christmas and all through the house not a creature was stirring not even a mouse..." Based on what is happening in the

public arena, you might think it was as the ENGO community has been awfully quiet and not much is being offered for them to act up about. Depending on your perspective it could either be the night before Christmas or the calm before the storm with regard to what will be happening next year. The probability is that it will be a bit of Christmas and a lot of storm as the Administration continues down the path of Regulatory reform and EPA begins to define specifics regarding what it will be doing. An example in point, Administrator Pruitt puts out a letter on EPA's intent to not second guess industries' Actual to Future Actual calculations in NSR proceedings and are immediately put on notice by one of the ENGO community that they will be sued. Now that **Bill Wehrum** is in place as Assistant Administrator for Air with **Clint Woods** from AAPCA as his Deputy and **Peter Tsirigotis** to take **Steve Page's** job as Director of OAQPS, "things" should begin to happen. Again depending on perspective, good or bad, real good or real bad. Our members will note we have been working on a number of NSRPSD Reform issues over the last few weeks. Good things are possible. A list of issue pages will be put up on to the Higher Logic Communications Platform as they become finalized for general internal discussion and acceptance. Aggregation, Top-Down BACT, Ambient air definition, modeling, netting Actual to Future Actual and RMRR are a few

that are coming for discussion and comment. There are a number of states that are considering control system upgrades as debottlenecking and forcing companies into NSR with all its bells and whistles. This administration's desire for Cooperative Federalism and support for States' Rights could have some pros and cons relative to the number of different rules a company with locations in many states might have.

Alexandra Dunn, Executive Director of ECOS in the process of taking the position as Region 1 Administrator in Boston told our members that there will be a better relationship with the states as helpers and not parents or second guessers. The Regional Administrators will be there to help states. In states that may want to go beyond federal requirements, which is their prerogative, companies will have to go above the Environmental agencies of the states to the Governors. As we have seen in the past on energy and environmental project development and permitting, CIBO's national credentials can be very helpful.

Technical - The Technical Focus Group session on "Environmental Management Systems" associated with the December EE Committee Meetings was very informative and timely. **Eric Hallman**, Cargill Incorporated, moderated the session and gave an overview of environmental management systems. **Linsey DeBell**, AECOM, presented a review of ISO 14001 which provides a standard framework that can be audited to provide a certification that the environmental management system is valid and operational. Linsey also provided guidance in functionality, types and selection of environmental management systems. In the discussion that followed the presentations, it was noted that most companies were not going to the full extent of the certification requirements for 14001. In lieu of that they were doing everything required in house without the third party certification. With the need for more and more information to justify operations and performance there are benefits that can be achieved. With the rapid advances in control system capability and speed to handle Big Data, the ability to track and use data to optimize operations and performance is moving us toward the "Piloted Boiler" like the Ohio Special. Similar advances in diagnostics and monitoring systems are paving the way toward the era of limited or no malfunctions – a great lead in to the Boiler Operations, Maintenance and Performance conference below.

Presentations are on the CIBO members' only website www.cibo.org.

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 at a local power plant. Planning has begun for the conference. If you would like to make a presentation or would like a specific topic addressed, we need to know ASAP. If you would like to participate in the planning process, contact Gail now at Gail@cibo.org. As with all CIBO conferences, CIBO members have priority. This priority will extend until January 15, next year. After that time, available openings will be filled as needed. Case studies always have priority. If you are thinking about contributing, check out the Technical Interests and Concerns from the Annual Survey results online from the Annual Meeting.

The Industrial Emissions Control Technology XVI Conference will be held in Durham, North Carolina, July 30-August 2.

Planning for the IECT this year will begin the first week in January. We will be focusing much of our attention 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, 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. . . If you would like to participate in the planning process, contact Gail now at Gail@cibo.org.

From the President's Desk – Bob Bessette

As we get ready to enter the Christmas and New Year Holiday Season just after Hanukkah that ended on the 20th, it is time to step back a little to think over the last year, to rest, relax and rejuvenate (be like a little child even for a few minutes) before the storms of the new year blow in. The rate of change we see will not decrease as we try to integrate our activities across the energy, environmental, economic and social responsibility concerns pressing on every one of our issues. I hope everyone will have some time to sit back and look at all the opportunities that are possible for a new year and the good things that have happened over this last year to find the peace and joy of the season in family and friends. When you look at the world like a little child, it is amazing how bright and sparkly it is. Merry Christmas and Happy New Year!!!

2018 Events

March 13-14/June 5-6/Sept 11-12/Dec 4-5 - Technical Focus Group, Energy & Environmental Committee Meeting / Hilton Garden Inn, Arlington, Virginia

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

Oct 24-26 – 40th Annual Meeting, Lowes Ventana Canyon, Tucson, AZ