

To: TC 9.9 members

I received the notice below that Data Center addenda AP to ASHRAE 90.1 – 2010 edition is now out for public review.

Addenda AP (highlighted below) proposes PUE as an alternative compliance path to conformance with Chapter 6 of 90.1, the building energy standard. As noted in the public release, this is a significant issue.

I strongly encourage you to take some time to submit public review comments in support of this industry revolutionizing proposal by clicking on the following link and following the “Instructions for Commenter’s” (<http://www.ashrae.org/standards-research--technology/public-review-drafts>). Login is required using your existing ASHRAE user name and password. If you don’t have one, you will be able to create it. Scroll down until you see this:

BSR/ASHRAE/IES Addendum ap to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings.

It’s a long list, so make sure you select the correct one.

TC9.9 voting members and leadership believe this addenda is extremely important to our industry as it provides a “non-modeling” compliance path to meeting the Standard. This alternative compliance path will enable those highly innovative data centers to continue innovating and pushing the boundaries of new cooling technology without being bound by prescriptive based regulation. However, TC9.9 voting members and leadership do recognize the aggressive requirements of the PUE values proposed, this was necessary to get this alternative compliance path through the 90.1 committee by demonstrating “equivalency” to the current prescriptive path requirements, which require economizers. Note, the PUE values in 90.1 are DESIGN calculations and may be in the form of a hand calculation or other calculation tools as either a peak or annualized value.

Without an alternative compliance path, many innovative forms of cooling technology will no longer be an option where the 2010 edition of 90.1 is adopted by the States, the IECC, and/or the DOE. The 90.1 white paper on TC9.9’s website (<http://tc99.ashraetcs.org/>) includes additional background information on 90.1 and its applicability to Data Centers.

If you have any questions or need assistance in submitting any comments, please feel free to contact David Quirk or Rick Pavlak from the committee.

I look forward to your continued support of our industry and ways of improving energy efficiency in Data Centers.

Thank you,
Jack Glass
Chair TC9.9