

Docket No. 12-BSDT-1 - 2013 Building Energy Efficiency Standards, 45-Day Language

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Sent: Thursday, May 17, 2012 12:41 PM

To: Energy - Docket Optical System

Categories: Ready to Process

DOCKET	
12-BSTD-1	
DATE	<u>MAY 17 2012</u>
RECD.	<u>MAY 17 2012</u>

May 17, 2010

California Energy Commission
Dockets Office
1516 Ninth Street, MS-4
Sacramento, CA 95814

Subject: **Docket No. 12-BSDT-1** - 2013 Building Energy Efficiency Standards, 45-Day Language Express Terms

Dear California Energy Commission Members:

Re: *2013 Joint Appendices - Appendix JA1 Glossary – pg 5*

Is there a reason that the ASHRAE references proposed in the Joint Appendix for the energy code are so far out of date?

In one case, it is more than 12 years old. At the end of your next code development cycle, the information it contains will be at least 16 years old. Perpetuating older concepts and references may not help to maximize the energy efficiency of the mechanical systems being designed for California. Referring to the older versions of these Handbooks are also likely to mislead the reader regarding the contents of ASHRAE consensus documents including standards, most of which are not specifically referenced in your Joint Appendix.

A similar situation exists with ASHRAE Standard 55. The Glossary references the 2004 version, yet the latest is dated 2010.

For your convenience, the items are currently listed as:

ASHRAE HANDBOOK, APPLICATIONS VOLUME is the American Society of Heating, Refrigerating and Air-Conditioning Engineers document entitled "ASHRAE Handbook: Heating, Ventilating, and Air-Conditioning Applications" (2003).

ASHRAE HANDBOOK, EQUIPMENT VOLUME is the American Society of Heating, Refrigerating and Air-Conditioning Engineers document entitled "ASHRAE Handbook: Heating, Ventilating, and Air-Conditioning Systems and Equipment" (2000).

ASHRAE HANDBOOK, FUNDAMENTALS VOLUME is the American Society of Heating, Refrigerating and Air-Conditioning Engineers document entitled "ASHRAE Handbook: Fundamentals" (2001).

The current publications and correct titles should be:

- 2011 ASHRAE Handbook—HVAC Applications
- 2009 ASHRAE Handbook—Fundamentals
- 2008 ASHRAE Handbook—HVAC Systems and Equipment

The Systems and Equipment Handbook has been updated and is to be republished this year. The Fundamentals Handbook will follow in 2013.

If there are specific reasons why only the older references are needed, please let us know the reasons

that the most current documents cannot at least be referenced concurrently.

Thank you.

Len Damiano

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