



*Wayne Goodwin | Commissioner of Insurance*  
*Tim Bradley | Assistant State Fire Marshal*

July 17, 2013

Mr. Roland Risser, Program Manager  
ATTN: Building Codes Program  
Office of Energy Efficiency and Renewable Energy, EE-2J  
U.S. Department of Energy  
1000 Independence Avenue, S.W.  
Washington, DC 20585-0121

Subject: North Carolina Certification of Commercial Building Codes Regarding Energy Efficiency with respect to ASHRAE/IESNA Standard 90.1-2007


Dear Mr. Risser:

As of this writing, the State of North Carolina has adopted the 2012 North Carolina Energy Conservation Code with an effective date of March 1, 2012. The 2012 NC Energy Conservation Code is modeled from the 2009 International Energy Conservation Code with the addition of North Carolina specific amendments. A special project team developed proposals for amendments to the energy conservation code. An Energy Ad Hoc Committee was appointed by the North Carolina Building Code Council to review these recommendations and further refine the proposals in developing the 2012 North Carolina Energy Conservation Code. Public notices were given and public hearings were conducted as required by state statutes for the 2012 North Carolina Energy Conservation Code prior to its adoption. Each governmental agency in our state is required by statute to enforce these regulations in territories under their jurisdiction.

In response to the U.S. Department of Energy's July 20, 2011 notice of determination in the Federal Register, North Carolina certifies that it has reviewed and updated the provisions of the 2012 North Carolina Energy Code governing commercial building energy efficiency to meet or exceed the requirements of ASHRAE/IESNA Standard 90.1-2007. The 2012 North Carolina Energy Conservation Code contains an amendment adopting the energy efficiency requirements of ASHRAE/IESNA Standard 90.1-2007 plus an additional 20% increase in energy efficiency beyond the level prescribed in ASHRAE/IESNA Standard 90.1-2007 following the procedure in ASHRAE/IESNA Standard 90.1-2007, Appendix G. An amendment was later adopted that will require compliance with ASHRAE/IES Standard 90.1-2010 with an effective date of January 1, 2015. Also, the commercial building prescriptive thermal envelope tables included in Chapter 5 of the 2012 North Carolina Energy Conservation Code were modeled from values originally proposed to Addendum BB of ASHRAE/IES Standard 90.1-2010 and glazed vertical fenestration is limited to 30% of above grade wall.

Attached is a copy of the 2012 North Carolina Energy Conservation Code. Please contact me at (919) 661-5880 extension 239 if you have any questions.

Respectfully,

  
Billy G. Hinton, Jr., PE

cc: Mrs. Kym Carey, U.S. Department of Energy  
Mr. Dan Dittman, PE  
Mrs. Susan Gentry  
Mr. Barry Gupton, PE  
Mrs. Renee Hutcheson, AIA, LEED AP  
Mr. Chris Noles, PE, Secretary, North Carolina Building Code Council  
Mr. Dan Tingen, Chairman, North Carolina Building Code Council