



ENERGY SYSTEMS LABORATORY

Texas Engineering Experiment Station
Texas A&M University System

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College Station, Texas 77843-3581

December 8, 2011

Mr. Felix Lopez, P.E.
Senior Engineer
State Energy Conservation Office
Comptroller of Public Accounts
111 East 17th Street, Room 114
Austin, Texas 78701

Dear Felix:

The Energy Systems Laboratory has performed a detailed technical analysis comparing the stringency of the Texas Building Energy Performance Standards (TBEPS), based on Chapter 11 of the 2009 International Residential Code (2009 IRC) for single-family residential construction and Chapter 5 of the 2009 International Energy Conservation Code (2009 IECC) for commercial construction, to the 2012 International Energy Conservation Code (2012 IECC). The residential provisions in the 2012 IECC are identical to Chapter 11 of the 2012 International Residential Code (2012 IRC).

The analysis has determined that the residential provisions of the 2012 IECC are more stringent than the Texas Building Energy Performance Standards (TBEPS).

In the commercial provisions of the 2012 IECC, there are three paths to obtain compliance. The first path is to comply with the requirements of ASHRAE Standard 90.1-2010. The second and third paths, prescriptive and performance, are to comply with the requirements put forth in Section C4 of the 2012 IECC. The Laboratory's analysis has determined that the commercial provisions of the 2012 IECC are more stringent than the Texas Building Energy Performance Standards (TBEPS) for all three paths.

Please feel free to contact us should you have any questions.

Sincerely,

Jeff S. Haberl, Ph.D., P.E.
Associate Director

Charles C. Culp, Ph.D., P.E.
Associate Director

Bahman L. Yazdani, P.E.
Associate Director