

Session 10A

CODES AND STANDARDS

Moderator: Isaac Elnecave, Midwest Energy Efficiency Alliance

PAPERS:

To Comply or Not to Comply – What is the Question?

Allen Lee, Cadmus
Dan Groshans, Cadmus

Extra Credit – How Utilities Can Receive Credit for Savings from Building Energy Codes

Dan Groshans, Cadmus
Allen Lee, Cadmus

Evaluating Code Compliance Enhancement– A Love Story

Joshua Rasin, Heschong Mahone Group, A TRC Company
Cathy Chapell, Heschong Mahone Group, A TRC Company
Andre Gouin, Xcel Company

The Impact of Refrigerator Standards On United States Households

James Mapp, Dark Energy
John Reed, Innovologie

SESSION SUMMARY

Energy codes and appliance standards are among the most cost-effective means of increasing energy efficiency in buildings and appliances. However, the process of developing standards is difficult, as well as time and cost intensive. For energy codes, the inability to achieve high levels of compliance is a continuing obstacle to generating all of the potential energy savings. On the other hand, in many states, utilities face increasing requirements under Energy Efficiency Portfolio Standards which will inevitably necessitate the use of new types of programs in addition to traditional offerings. Utility programs geared around increasing the efficiency of appliance and standards as well as improving energy code compliance offer an excellent means of addressing these two competing needs.

Three of the four papers will present the basis, design and evaluation of code compliance enhancement programs. Although code compliance enhancement programs are still in their infancy, enough work has been done to begin evaluating these efforts. The papers will describe: what code compliance is and how to measure it, an overview of code compliance programs and a pilot effort to measure the effect of code compliance programs. The final paper will discuss the effect of appliance standards for refrigerators. This paper shows how refrigeration standards have both improved the level of efficiency in refrigerators as well as how efficiency standards affect price, supply and various other attributes.