

# **Xcel Energy Codes and Standards Pilot Update**

**Rocky Mountain Utility Efficiency Exchange  
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**Kenny Romero  
Xcel Energy  
Program Manager**

**Shaunna Mozingo  
Colorado Code Consultants**

# Xcel Codes and Standard Pilot

## **Pilot Objective:**

Determine if energy code support for jurisdictions (cities and counties) and their local building communities can result in additional energy savings through adoption of more stringent codes and increased code compliance.

Xcel is working with the local building community and jurisdictions in adopting and/or improving compliance to International Energy Conservation Code (IECC) 2009.

# Xcel Codes and Standard Pilot

## Pilot Timeframe:

- May – June 2013 – Evaluation of the results and viability of a full program including method for energy credits.
- July 2013 – If deemed viable, a program plan will be filed with Colorado Public Utilities Commission.
- December 2013
  - ◆ Document results and prepare final report for Public Utility Commission
- December 2013 – Pilot Ends

# Xcel Codes and Standard Pilot

## **Pilot Consultants:**

Colorado Code Consultants (CCC)

- Shaunna Mozingo

Heschong Mahone Group (HMG)

CCC – Baseline data collection, evaluation planning and training

HMG – Evaluation design and measurement and verification of results

# Xcel Codes and Standard Pilot

## Pilot Status:

- Pilot on track and expected to conclude with evaluation results June 2013
- Established collaborative partnerships with six metro area jurisdictions
- Training and evaluation plans have been designed to meet the unique needs of each individual jurisdictions
- Baseline evaluation and training has started

# Xcel Codes and Standard Pilot

## Pilot Approach:

- Partner screening
  - ◆ Building permits
- Partner “Building Official” Agreement
- Partner Needs Assessment
- Create evaluation and training plans
  - ◆ Team review (Xcel and consultants)
- Collect baseline data
  - Current code utilized
  - Level of compliance
  - Level of enforcement
  - Level of code understanding
- Training
  - ◆ Varies.....staff, contractors, architects and designers
- Measurement & Verification
- Will Pilot become a program?

# Xcel Codes and Standard Pilot

<p><b>City of Broomfield</b> IECC 2009 (expect to move to 2012 by January 2013) Baseline data collected and training in progress.</p>	<p><b>City of Arvada</b> IECC 2009 Evaluation and training plan developed. Training expected to begin October 2012.</p>
<p><b>City and County of Denver</b> <b>IECC 2009</b> Baseline data collected and training in progress.</p>	<p><b>Adams County</b> IECC 2006 Evaluation and training plan still under review. Awaiting new building official.</p>
<p><b>Jefferson County</b> <b>IECC 2009</b> Evaluation and training plan developed. Training expected to begin October 2012.</p>	<p><b>City of Thornton</b> IECC 2009 (expect to move to 2012 by January 2013) Evaluation and training plan developed. Training began September 2012.</p>

# Xcel Codes and Standard Pilot

## State of Colorado Energy Code Collaborative

(SWEET, CML, ICC, HBA, PNNL, DOE, DOLA, EEBC, RMI, Building Officials, Utilities)

The **PURPOSE** of this Collaborative is to support achievement of the goal of compliance with the 2009 International Energy Conservation Code and ASHRAE 90.1 2010 (or higher) by 2017, per the American Recovery and Reinvestment Act.

- Our **MISSION** is to facilitate compliance with the State's building energy codes through a collaborative effort of identified market actors to better coordinate actions and policies affecting energy code compliance, and to identify and prioritize steps needed to achieve compliance with building energy codes.
- The **RESPONSIBILITIES** of Collaborative members are:
  - ◆ to advise the state on a compliance verification plan and process, and
  - ◆ to develop strategies to increase compliance rates.

Collaborative will focus on the compliance evaluation study. Once a plan for code compliance measurement and verification is in place, the state will use that plan to work to secure funding. After measurement and verification has begun, the group will be able to determine the weak spots in compliance and enforcement in the state, and then address training and outreach.



# Xcel Codes and Standard Pilot

## **National Status:**

California – C&S programs active. Full credit allowed for claimed savings. Expect to receive financial incentive for program.

Arizona – C&S program approved. Utilities currently implementing program. Savings can be claimed (up to 1/3)

Massachusetts – Statewide C&S program being proposed; start as a pilot, then convert to full-fledged program (claim savings)

New York – Long Island Power Authority provides some energy code training and funding (by ratepayer). NY State R&D Authority funds code training and studies. (mostly ARRA funded)

Vermont, Maine – State's Efficiency Trusts fund training and studies of code compliance (Vermont is ratepayer funded; Maine is not)

Northwest - Northwest Energy Efficiency Alliance lead C&S efforts (utilities mostly take a back seat).

Midwest – Minnesota, Colorado in C&S pilot stage. Iowa, Illinois – utilities required to provide funds to support compliance efforts (no savings claimed)



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**Thank you!**

**Questions?**

