

BUILDING ENERGY CODES PROGRAM

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



NASEO ANNUAL MEETING
Building Energy Codes at the Federal
Level: Supporting and Spurring State
Action

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Development Process

- DOE will be submitting proposals and participating in hearings:
- Following our cost-effectiveness methodology
- May review others' proposals

Residential proposals that DOE is considering submitting:

- Advanced Wall Framing
- Lower Fenestration U-factor Requirements
- Lower Skylight U-factor Requirements
- Require Heat Recovery Ventilation
- Prescriptive Option Packages

Commercial proposals that DOE is considering submitting:

- Building Envelope Air Leakage Testing
- Lower SHGC requirements
- Occupant standby control for HVAC
- Limit ventilation
- Reduce VSD Threshold for Pump and Fan Motors
- Expand use of occupancy sensors
- Faster shut off for occupancy sensors
- Reduce Interior Lighting Allowances
- Reduce display lighting allowance
- Reduce Exterior Lighting Allowances
- Prescriptive Packages for Simple Office Buildings

Public Participation Opportunities

Webinar – September 24th

Residential Session: 12:30 – 2:30 pm (EDT):

<https://attendee.gotowebinar.com/register/533153557263000066>

Commercial Session: 3:30 – 5:00 pm (EDT):

<https://attendee.gotowebinar.com/register/7806654971954803970>

Public Meeting – October 13th and 14th

Location: Crowne Plaza Denver Downtown, 1450 Glenarm Place,
Denver, CO 80202

Registration:

<https://www.energycodes.gov/survey/index.php?sid=83466>

Residential Field Study

- Goal: Determine energy and cost savings available from increased compliance with residential energy codes.
- 8 states participating (AL, AR, GA, KY, MD, NC, PA, TX).
- Preliminary results indicate that most of the energy savings potential in each state is being achieved for the code they have adopted. (Though those codes vary considerably.)
- End result will be a methodology that states can implement to let them determine if they are achieving expected savings.
- Working on an equivalent methodology for commercial buildings. Expect to pilot in 2017.

Resources Available from DOE

Achieving Energy Savings and Emission Reductions from Building Energy Codes: A Primer for State Planning

Table of Contents

- Building Energy Codes – The Opportunity
 - Benefits and Future Potential of Building Energy Codes
 - A Basic Formula for Projecting and Monitoring Savings from Energy Codes
 - Calculating the Impact of Compliance Activities
 - Steps for States Interested in Increasing Benefits from Energy Codes
 - DOE Resources for State and Local Governments
 - Other Available Resources
- Available at: <https://www.energycodes.gov/achieving-energy-savings-and-emission-reductions-building-energy-codes-primer-state-planning>

State Cost-Effectiveness Reports

- 2015 IECC and ASHRAE 90.1-2013
- Will be provided to states in November

New versions of COMcheck and REScheck

- Incorporate 2015 IECC and ASHRAE 90.1-2013
- Available at energycodes.gov

Energycodes.gov

- Helpdesk (<https://www.energycodes.gov/resource-center/help-desk>)