NASEO ANNUAL MEETING
Building Energy Codes at the Federal Level: Supporting and Spurring State Action
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DOE Participation in the 2018 IECC

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
DOE Participation in the 2018 IECC

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:
Research

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.
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
Resources Available from DOE

New versions of COMcheck and REScheck

– Incorporate 2015 IECC and ASHRAE 90.1-2013
– Available at energycodes.gov
Resources Available from DOE

Energycodes.gov