

# EE in Existing Homes



AIC Conference  
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# New versus Old

- New homes are less than 1% of total
- Energy Code efforts directed at new homes
- What are EE efforts towards existing homes
- Life's not fair

# Regulations

- Permits and Inspections
- Ordinances
- Education

# The “low hanging fruit”

- Varies by jurisdiction
- Pre 2000 - Pre Energy Code
- Pre HVAC Inspections
- Pre HVAC load calculation requirements

# What Matters

- HVAC
- Air Sealing – Insulation
- Attic Ventilation
- Doors and Windows
- Lighting
- Appliances

# HVAC

- Permits and Inspections on Retrofits?
  - Load Calculations
  - Proper flow (cfm over coil)
  - Duct Sealing (test)
  - Duct Insulation
  - Equipment location – Ordinance?
  - Return Air Paths
  - Balancing

# Attic Ventilation

- Permits and Inspections on re-roofs?
  - Ice Dams
  - Excessive AC costs
  - Attic Fans?

# Inspection or Education?

- Air Sealing
- Insulation
- Doors and Windows
- Lighting
- Appliances



# Free Training

- Inspectors
- City Council Members
- Remodelers
- Contractors
- Architects/Engineers/Designers
- Tradesman
- Homeowners

ICC “preferred provider” CEU’s



# Course Topics

- Insulation Basics
- Effective Air Sealing
- Attic Ventilation
- Radon Resistant New Construction
- Renewables in Idaho
- Conditioned Crawlspace
- Remodeling – Saving 50%
- Emerging Technologies
- Indoor Air Quality
- Minimum Ventilation Rates
- Fireplaces
- ACCA Manuals J, D & S
- Combined courses for homeowners

# 30 to 50% savings on utilities

- Multiple case studies
- Utility data
- Common sense, cost effective approaches

Thank You

Questions?

or training requests

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