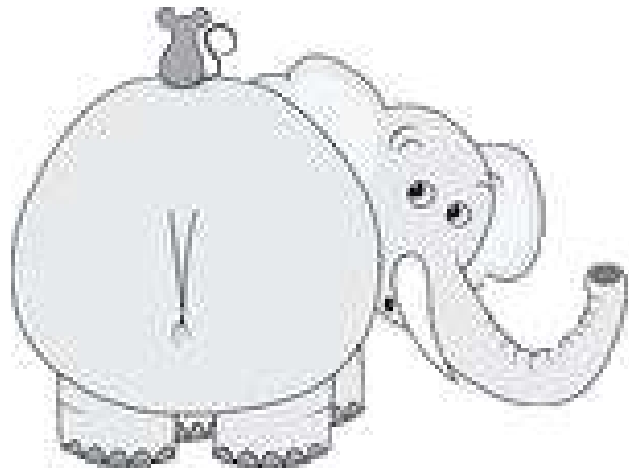





# Expanding the Radon Message





# ≈ Budgets

- CDC \$11,000,000,000
- HUD 43,000,000,000
  - Healthy Homes 140,000,000
- DOE 29,500,000,000
  - Weatherization 320,000,000
- EPA 9,000,000,000
  - Radon  210,000  
(-243,000 2011)



# Competition

Question: Can you think of ANY

- Business
- Field
- Occupation
- Career
- Organization
- Specialty
- Trade
- Partnership
- Fellowship
- Corporation
- Society
- Group
- Specie
- Etc.

That does NOT have competition?

# Government Action





Radon

Big \$

Programs



# “Elephants to Ride On”

- Energy Star with Indoor airPlus
- US Green Building Council’s LEED for Homes (USGBC LEED-H)
- ANSI Green Building Standard (National Association of Home Builders)
- International Green Code Council





# In the Beginning—Appendix F

- *Model Standards and Techniques for Control of Radon in New Buildings* (1994)
- Appendix F (1995 BOCA Code) for passive radon systems
- Municipality must opt in to App F; not part of body of document
- Code language
- Simple
- Inexpensive
- **No testing required**



# Energy Star

- 1992 Energy Star program rolled out for limited appliances
- Government/industry partnerships
- Voluntary labeling
- Promote energy-efficiency and reduce greenhouse gases
- Now includes 50 product categories, homes, commercial and industrial buildings





# Energy Star with IAP

- 2008 EPA added indoor air quality component to Energy Star program—Indoor airPLUS
- Capitalizes on successful branding of Energy Star
- Gets radon into another recognized program





# EPA Indoor Air Package

1. Moisture Control
2. Radon Control
3. Pest Barriers
4. HVAC Systems
5. Combustion Pollutant Control
6. Low-Emission Materials
7. Home Commissioning



# IAP Radon

- Zone 1 build according to:
  - Appendix F (IRC or CABO)
  - NFPA 5000, Chapter 49 (Same as App F)
  - EPA's *Building Radon Out*
  - ASTM E1465
- Advisory to verify elements of system including sealing of all cracks & penetrations
- Two 48-hour test kits for home buyers in Zones 1 & 2 with instructions and guidance
- Recommendation to test all homes



Build green. Everyone profits.

## Green Building Momentum is Here!

- U.S. Green Building Council
- Coalition of leaders from building industry
- Promotes buildings that are environmentally responsible, profitable and healthy places to live and work
- 30,000 organization members





## What Happens When Green Becomes Code: Do Buildings Get Better or Do Lawyers Get Richer?

An Exclusive Webinar Presented by **WPL**

WEBINAR • WEDNESDAY | NOVEMBER 16TH • 1:00 - 2:30 PM

WPL Publishing Co., Inc., publisher of *Construction Claims Advisor*, *Green Building Insider* and *Construction Project Controls & BIM Report*, announces a valuable new interactive webinar:

**When green becomes the standard for new building construction, will you be ready?**

### **What Happens When Green Becomes Code: Do Buildings Get Better or Do Lawyers Get Richer?**

Wednesday, November 16, 2011  
1:00 – 2:30 PM EDT

Presented by:

**George H. DuBose and Richard Scott, Liberty Forensics Group  
Jim Bidgood, Smith Currie & Hancock, LLP**

**SIGN UP**

[Register Today!](#)

The inevitable is about to happen and most people don't even know it is coming – green buildings are going to become, by codification, the law of the land. For some organizations, this will just mean business as usual. For other firms, this change will be cataclysmic.

ASHRAE produces standards that are adopted by most model building codes, and the ASHRAE Draft Standard 189.1P is the new “Standard for Design of High Performance Green Buildings Except Low-Rise Residential Buildings.”

This new ASHRAE Standard is written in code language and will have the impact of mandating that all new buildings will be green buildings, thus eliminating the option of constructing anything less robust. Even if this standard is not adopted by all model codes, it will become the de facto standard of care.






# USGBC LEED-H



- USGBC Leadership in Energy and Environmental Design
  - LEED-H (Homes)
- Meets Energy Star with Indoor airPLUS:  
13 points

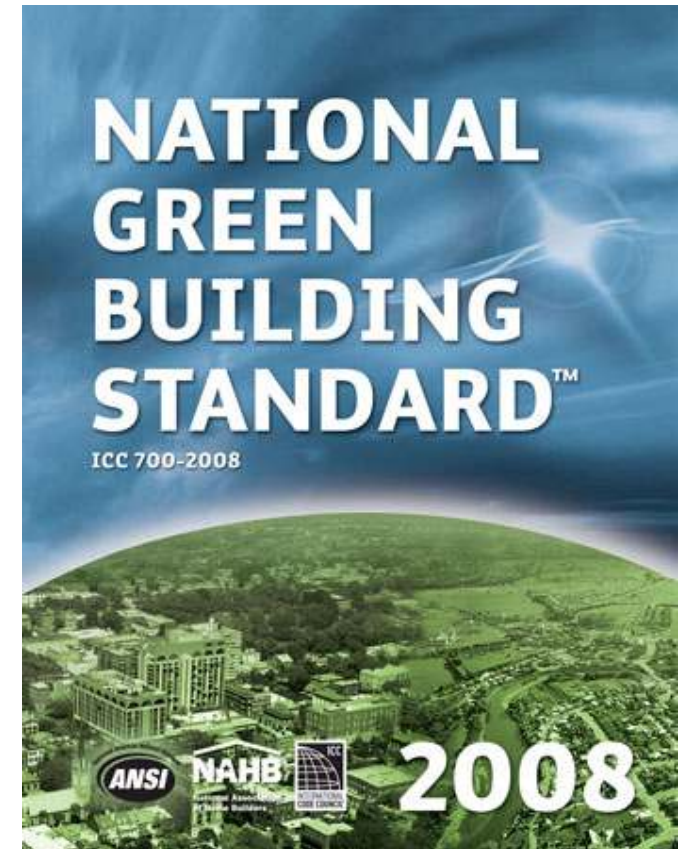
***OR***

- RRNC mandatory in Zone 1
- RRNC in “Moderate Risk” areas: 1 point



# ANSI National Green Building Standard

- 2008 document approved
- Former NAHB Green Guidelines
- Only green **standard**
- Appendix F plus
- Zone 1 mandatory
  - Passive system = 10 points
  - Active system = 15 points
- Zone 2
  - Passive system = 10 points





# International Green Code Council

- Collaborative effort between ASHRAE, USGBC, and IES (Illuminating Engineering Society)
- Currently revising for 2012 version
- Zones 1 & 2 build basically to Appendix F
- No testing required



# Why Now?

- Energy Star and Green are in full swing
- Other industries GET the radon system moisture message
  - They're getting trained to install systems
  - They're also getting certified
  - That means they can put radon systems in anywhere



# Partner UP

- Join in the Energy Star movement
- Tap into the IAP
- Grab onto Green
- Now you've got something to talk to the builders about (ANSI Standard)



# Opportunities for Input

- Builders
- Raters
- Appraisers
- Inspectors
- Builders' agents
- Buyers

