

Building Energy Codes in the Washington Region



**Presentation to the
Air and Climate Public Advisory Committee**

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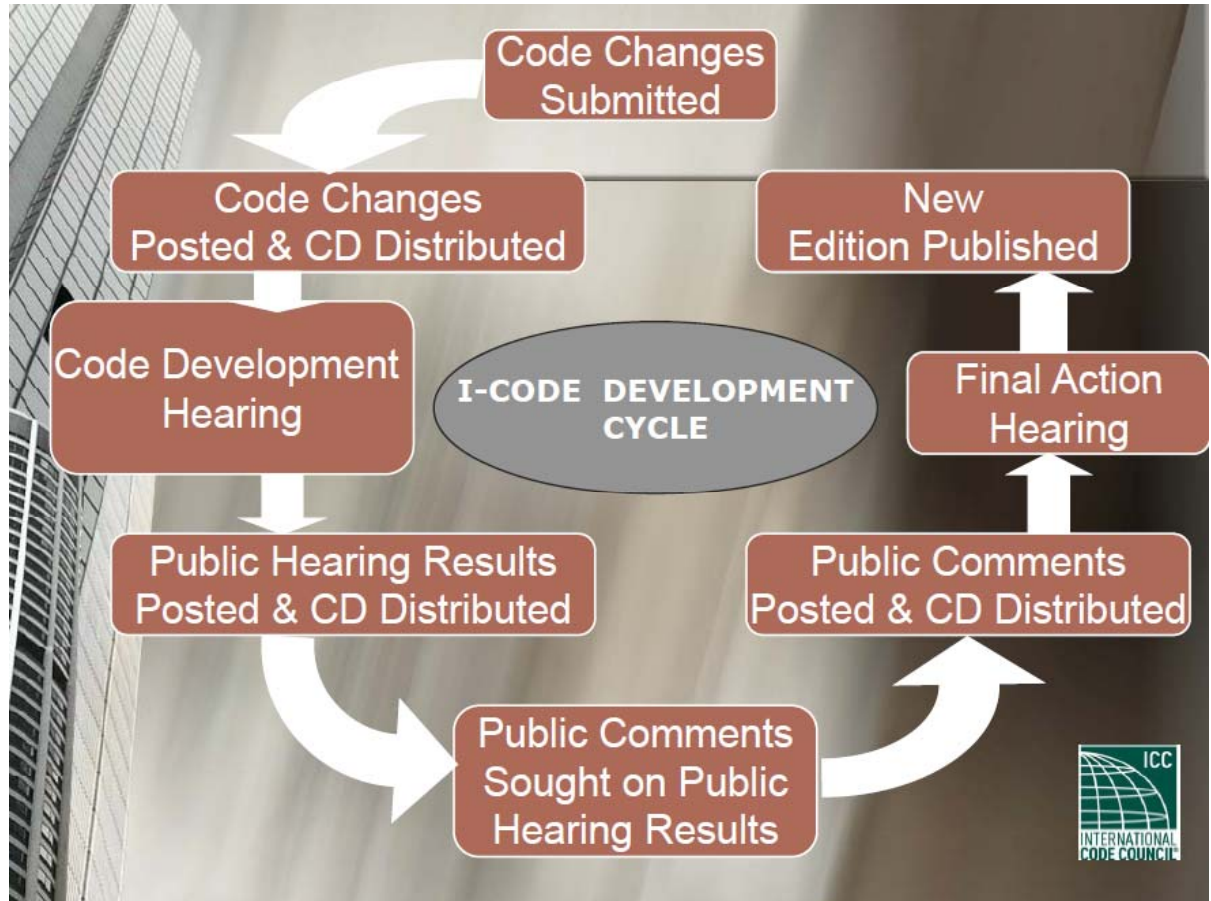
CODE ADOPTION: National Scale



- **International Code Council (ICC)**
 - Coordinating body for model construction codes
 - Member-focused association
 - ✦ Construction industry, code regulators and construction industry representatives
 - 15 Comprehensive International Codes (I-codes)
 - ✦ International Energy Conservation Code (IECC)
 - ✦ International Residential Code



- 3-year development cycle
- Consensus-based private-sector process
- Eligible voting members review the recommendations of the code development committee and determine the final action



CODE ADOPTION: National Scale Process

CODE ADOPTION: Regional Scale



- **MARYLAND**

- Cycle: Every 3 years
- Current Code: **2012 IECC**
- Counties allowed to make local amendments

- **DISTRICT OF COLUMBIA**

- Cycle: Every 3 years
- Current Code
 - ✦ Residential
 - 2006 IECC w/amends = 2009 IECC
 - 2012 IECC under consideration
 - ✦ Commercial
 - 2006 IECC/ASHRAE 90.1
 - 2012 IECC and IgCC under consideration

REGIONAL SCALE: Virginia



- **Virginia**

- Cycle: At least a 12 month review process after each new code is published
- Current Code: 2009 IECC
- 2012 IECC Issues
 - ✦ Residential
 - Blower door & duct blaster or visual inspection
 - Insulation
 - Wall requires 2X4 plus foam sheathing or 2X6
 - Ceiling requires modifications at wall top plates

VIRGINIA: Code Issue



- **Commercial**
 - Uses ASHRAE 2010
 - ✦ Less controversial
 - Cost of Implementation
 - ✦ DOE/PNNL Study
 - Simple payback – 5.2 years
 - Cost savings (30 years) - \$5,836; Annual - \$388
 - Cash flow positive in first year

ACTION: NVRC and COG



- **NVRC**
 - Resolution and letter
- **COG**
 - Presentation to committees: IGBG and CEEPC
 - CEEPC letters
 - ✦ VA Dept. of Housing and Community Development
 - ✦ DC Council

QUESTIONS

