



# States' Engagement in IECC Development

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International Code Council

# About the International Code Council (ICC)



- 64,000 members including code officials, builders, architects, engineers, and industry representatives
- Facilitates the development of model codes that help ensure building safety, resiliency, and sustainability
- Codes are adopted or in use in every state and territory as well as in federal buildings, domestic military bases, and our country's embassies abroad
- ICC Family of Companies



# WHY?



The IECC has saved U.S. consumers over **\$44 billion** and avoided **300 million tons** of carbon dioxide emissions.

This is equivalent to:

Greenhouse gas emissions from **15 million** garbage trucks of waste recycled instead of landfilled



\*1 truck = 1 million trucks



# WHY?

Or, CO<sub>2</sub> emissions from **32 million** homes' energy use for one year



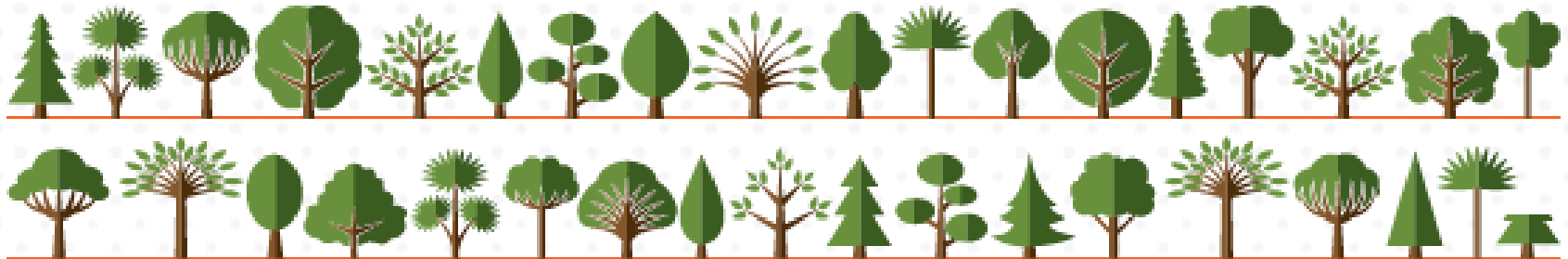
\*1 home = 1 million homes



# WHY?



Or, carbon sequestered by **353 million** acres of U.S. forests in one year



**1 tree = 10 million acres of forest**

*Data from the U.S. Environmental Protection Agency's [Greenhouse Gas Equivalencies Calculator](#)*



# Energy Codes are Life-Safety Codes: Here's How



Works in Tandem with  
Model Codes

## Resiliency

Durability ensures  
home is livable  
for decades



## Extreme Weather Protection

Better envelopes  
– more lives  
saved

## Moisture Management

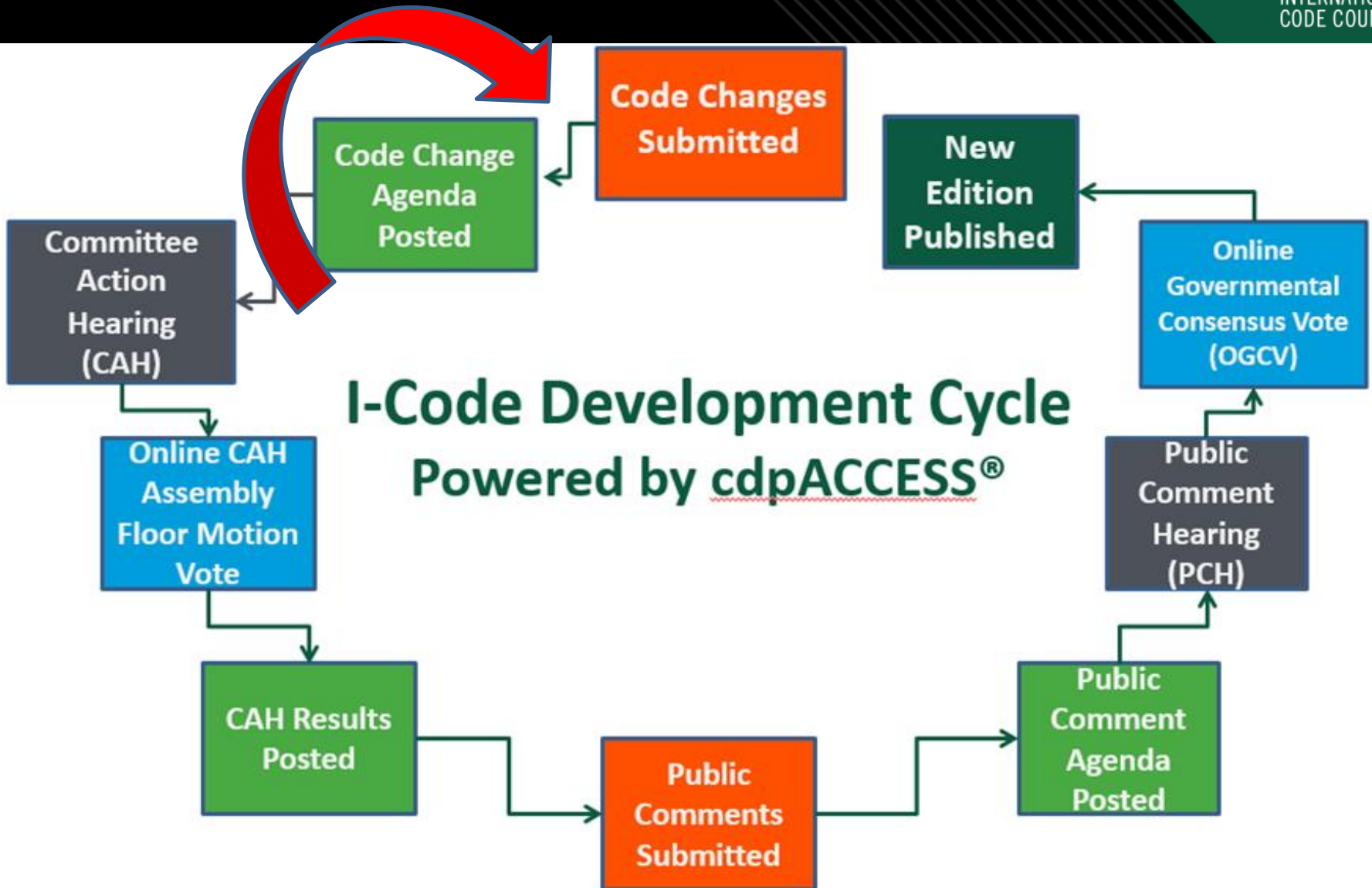
Rot, mold,  
mildew

## Indoor Air Quality

“Build tight,  
ventilate right”

## Fire Safety

# I-Code Development: Cycle



# Code Change Proposals



## FS117-18

IBC: 1404.3, , 1404.3(1) (New), 1404.3(2) (New), 1404.3.2, 1404.3.3, TABLE 1404.3.2, 1404.3.4

**Proponent:** Jay Crandell, P.E., ARES Consulting, representing Foam Sheathing Committee of the American Chemistry Council Contact the Proponent

### 2018 International Building Code

#### Delete and substitute as follows:

##### 1404.3 Vapor retarders.

Vapor retarder materials shall be classified in accordance with Table 1404.3(1). A vapor retarder shall be provided on the interior side of frame walls in accordance with Table 1404.3(2) and Table 1404.3(3), or an approved design using accepted engineering practice for hygrothermal analysis. The appropriate climate zone shall be selected in accordance with Chapter 3 of the International Energy Conservation Code.

**Exception:** 1.Basement walls. 2.Below-grade portion of any wall. 3.Construction where moisture accumulation, condensation, or its freezing of moisture will not damage the materials.

#### Revise as follows:

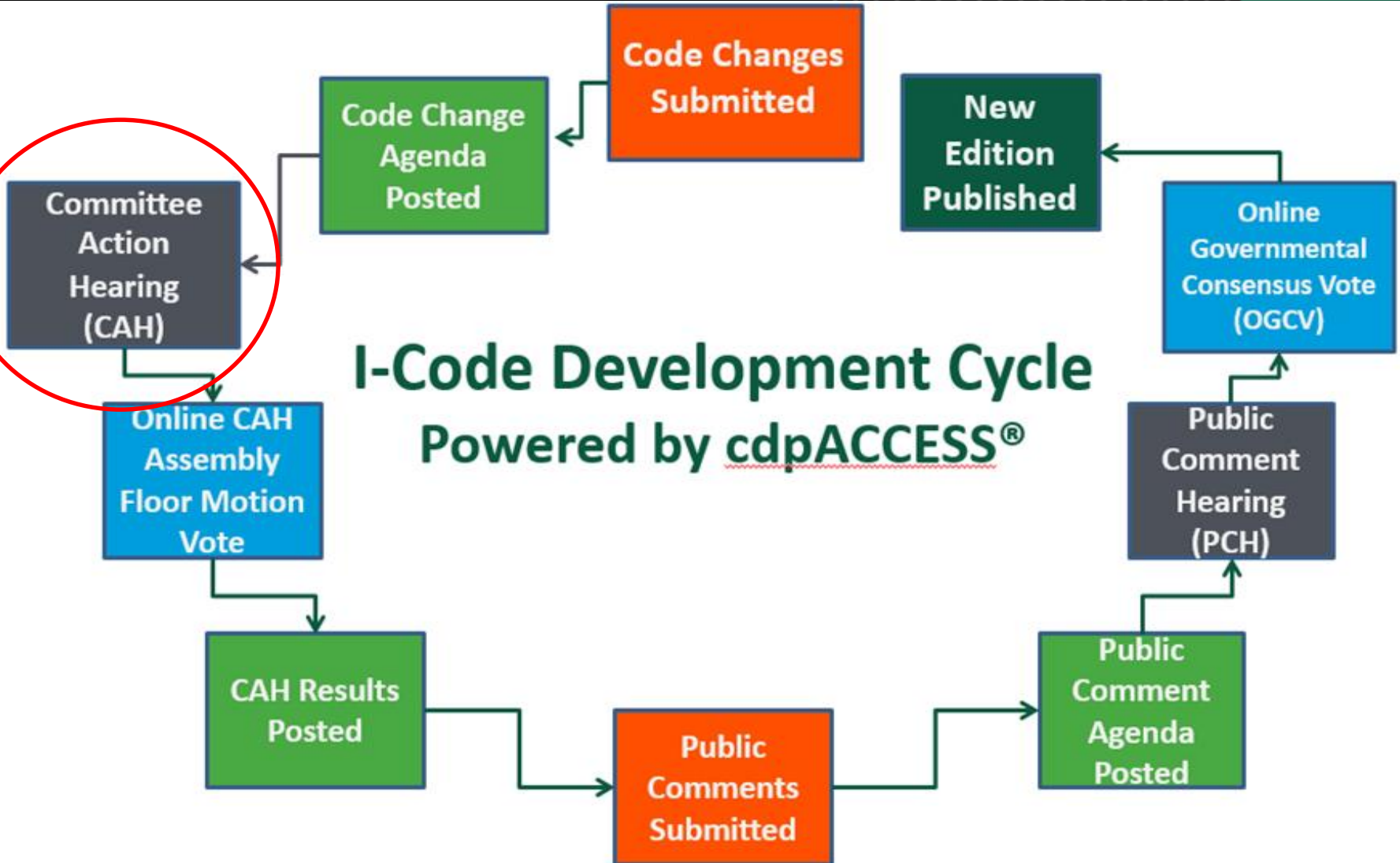
~~1404.3.1 Class I and II vapor retarders. Class I and II vapor retarders shall not be provided on the interior side of frame walls in Zones 1 and 2. Class I vapor retarders shall not be provided on the interior side of frame walls in Zones 3 and 4 other than Marine 4. Class I or II vapor retarders shall be provided on the interior side of frame walls in Zones 5, 6, 7, 8 and Marine 4. The appropriate zone shall be selected in accordance with Chapter 3 [CE] of the International Energy Conservation Code Commercial Provisions.~~

##### Exceptions:

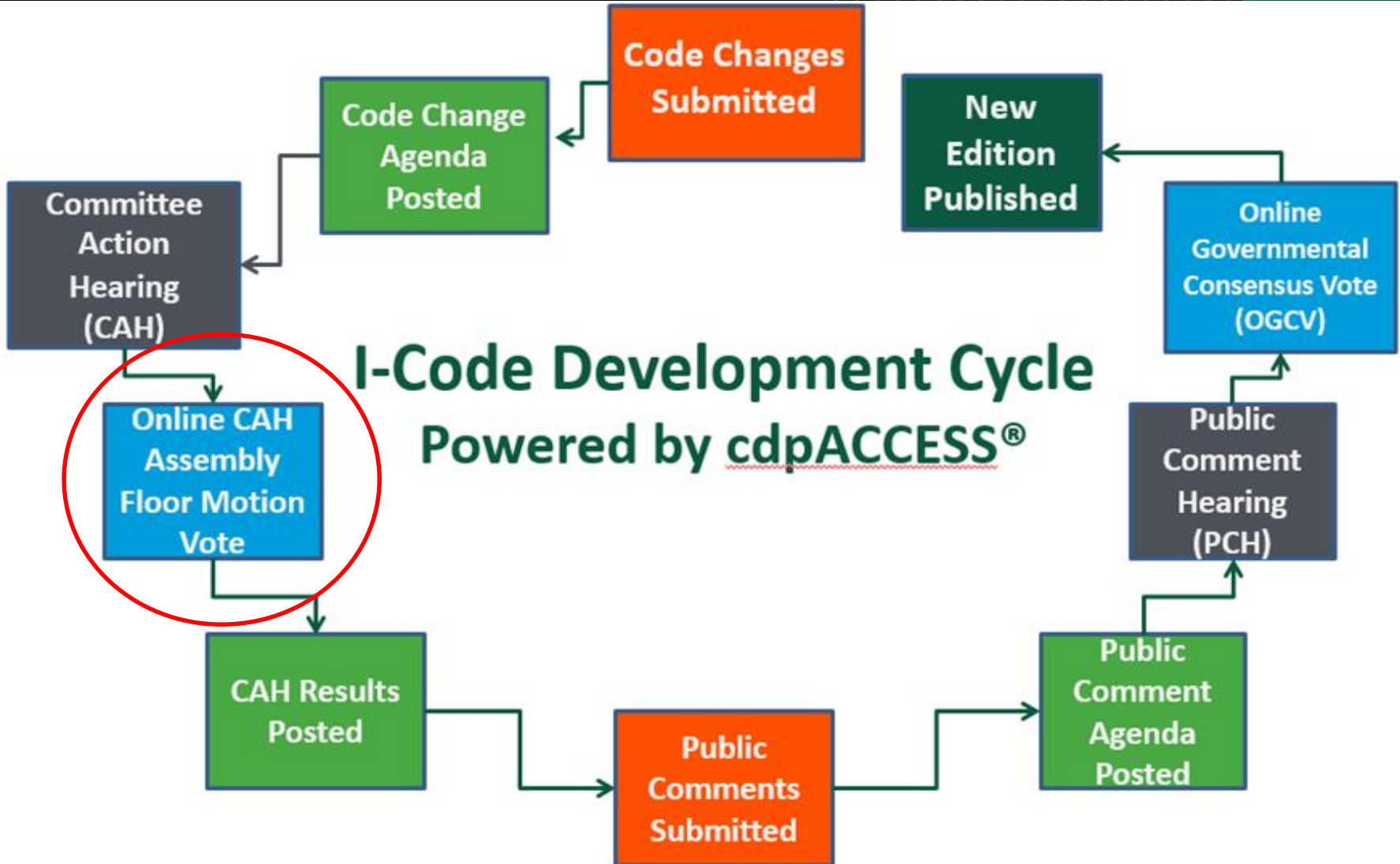
1. Basement walls.
2. Below-grade portion of any wall.
3. Construction where moisture accumulation, condensation, or its freezing of moisture will not damage the materials.~~Conditions where Class III vapor retarders are required in Section 1404.3.2.~~



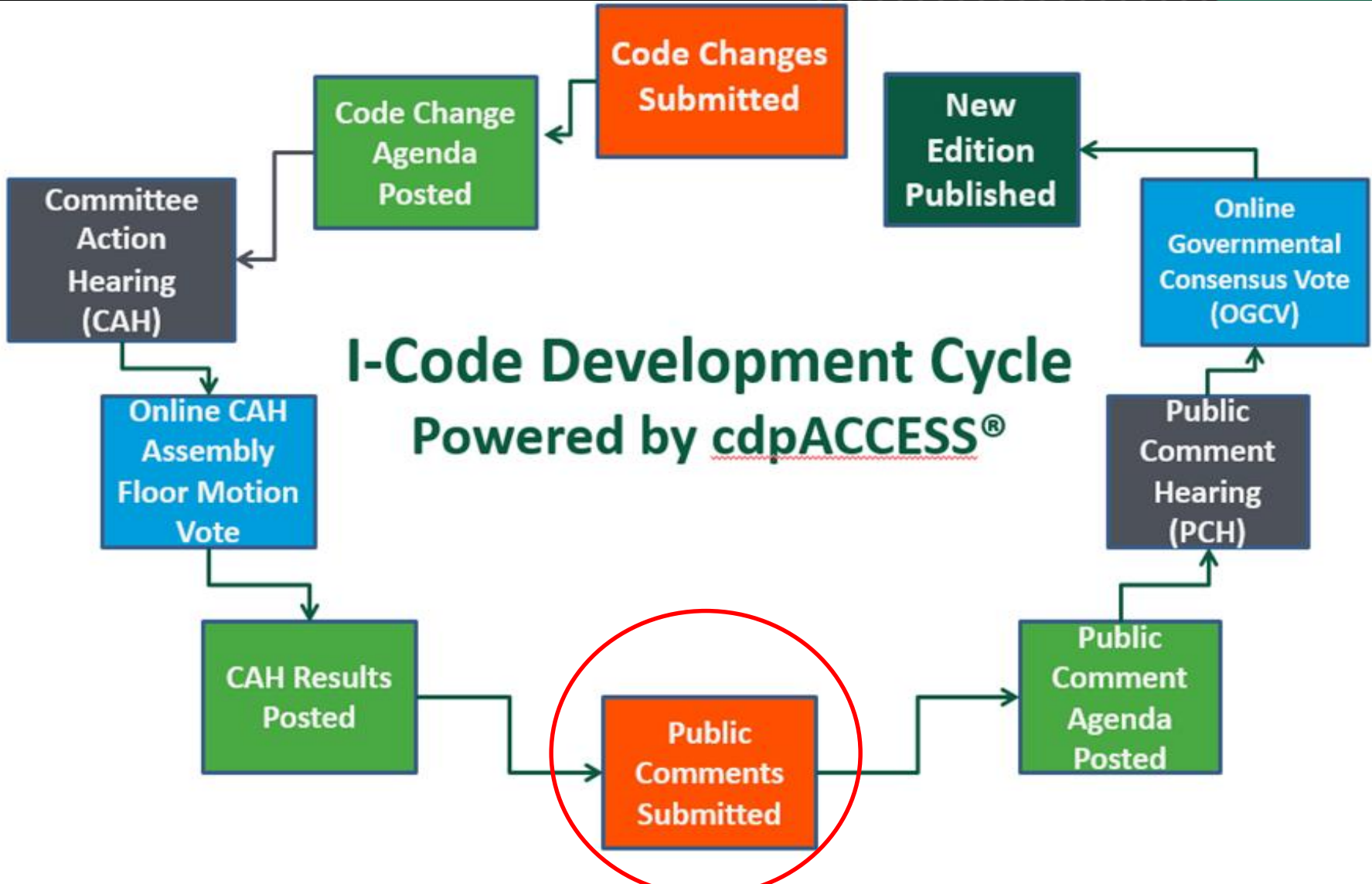
# I-Code Development: Cycle



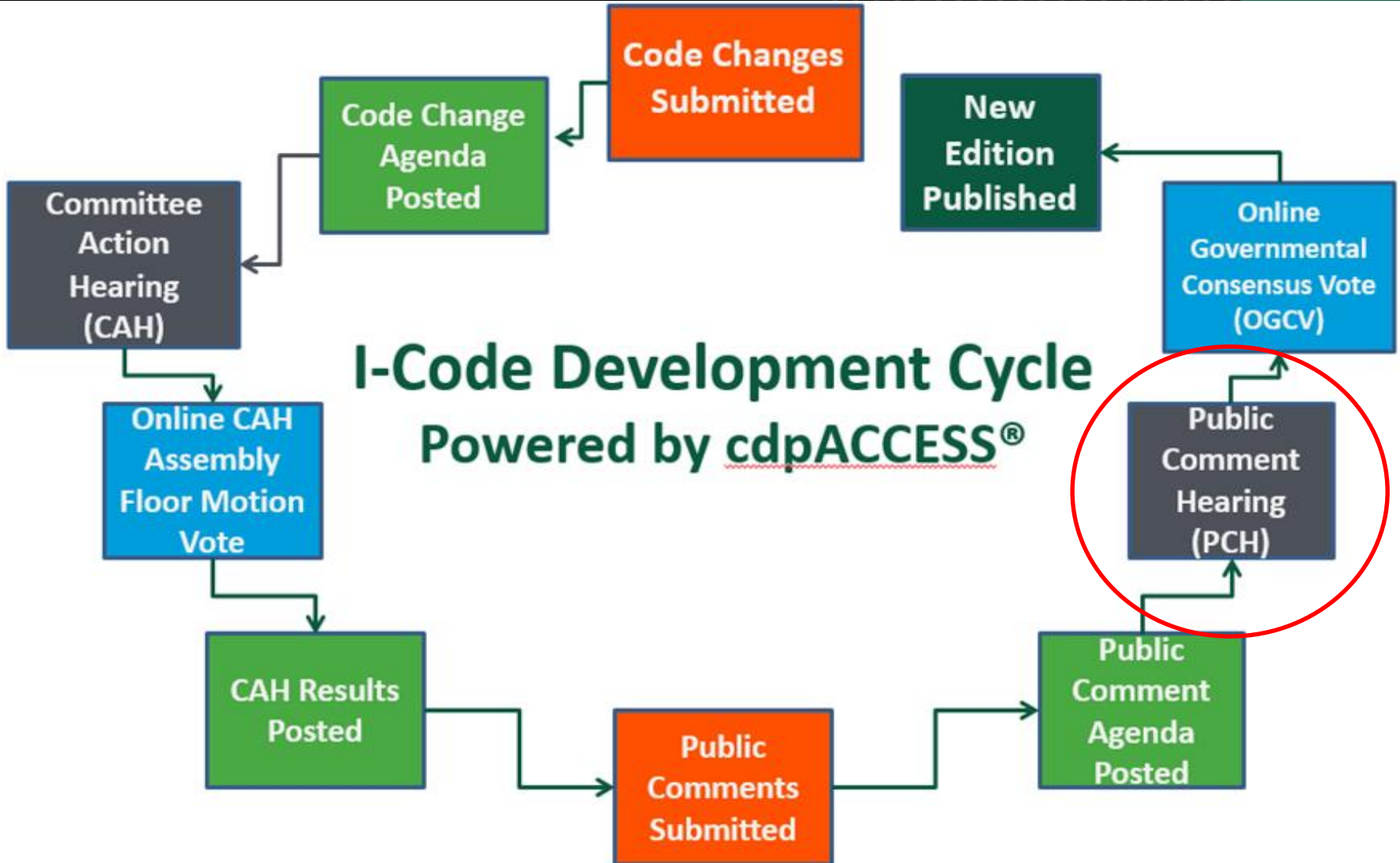
# I-Code Development: Cycle



# I-Code Development: Cycle

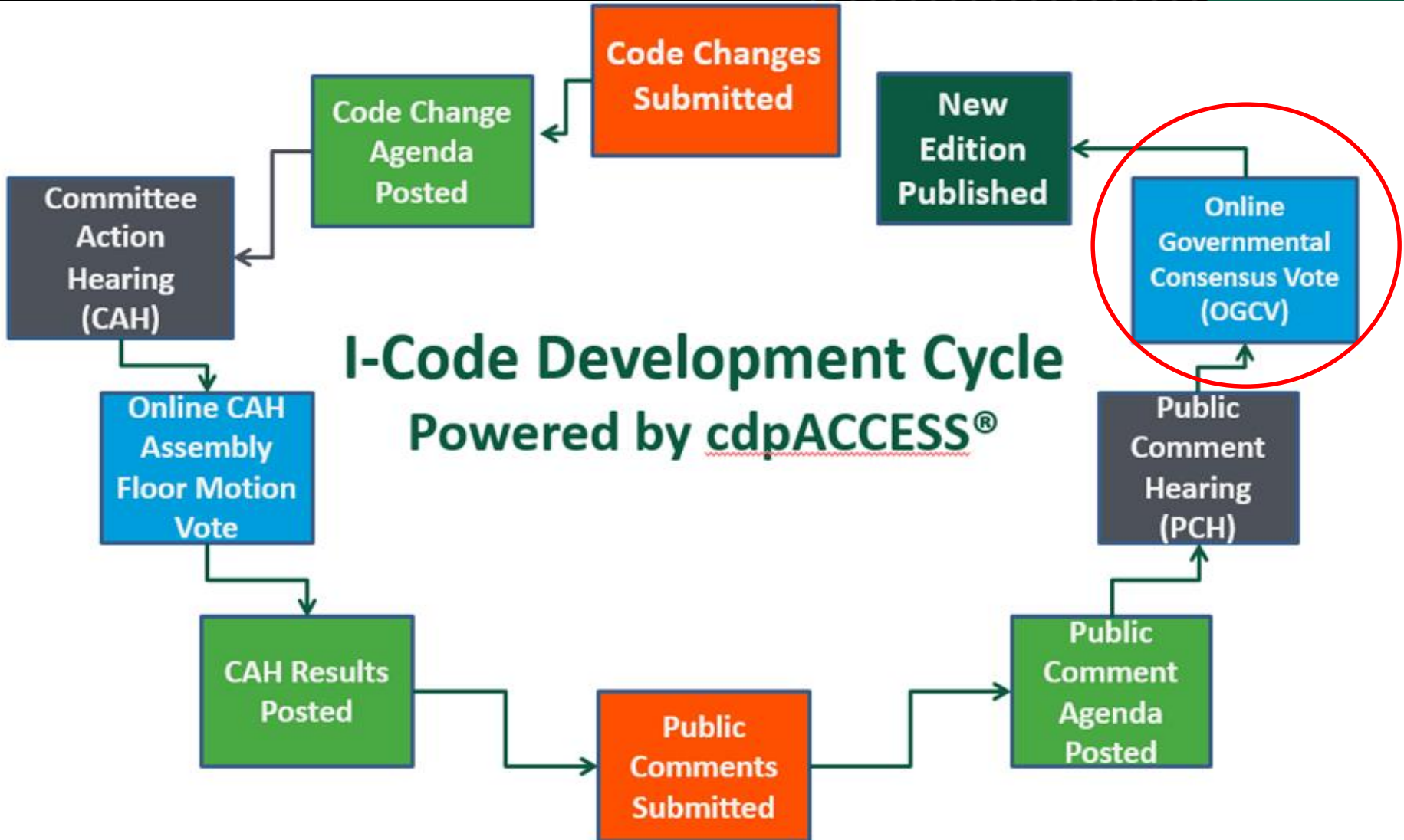


# I-Code Development: Cycle





# I-Code Development: Cycle



# Sharing Information with Voters



SOLAR RATING  
& CERTIFICATION  
CORPORATION

**From:** [Shaunna Mozingo](#)  
**To:** [Shaunna Mozingo](#)  
**Subject:** M20 Online Vote  
**Date:** Wednesday, November 28, 2018 5:45:39 PM  
**Attachments:** [proposal1365\\_mechVent\\_SDM.pdf](#)

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Let your voice be heard! The ICC Online Governmental Consensus Vote is now open at <https://www.cdpassess.com/ogcv/>

I would appreciate your vote in support of M20 as submitted. The committee approved it in the first hearing. The National Association of Homebuilders requested disapproval so it went to the public comment hearing, where it was upheld again. Let's just make sure it really goes through!

The proposal is to remove the confusion that exists in the IMC as it relates to mechanical ventilation for multi-family dwelling units. Currently there is a different requirement for 3 stories or less and 4 stories or more. If all of these buildings are built to an energy code, they require a tight building envelope so they should all be guaranteed ventilation. This proposal, as attached, just says that if your dwelling unit is built under any energy code then it requires mechanical ventilation, no matter how many stories are involved

# Governmental Members



Government/Municipality (includes agencies, departments & units) engaged in administration, formulation or enforcement of laws, regulations or ordinances relating to public health, safety and welfare.

A Governmental Member may designate 4-12 voting representatives (based on population) who are employees or officials of that governmental member and are actively engaged full or part-time in the administration, formulation or enforcement of laws, regulations or ordinances relating to public health, safety and welfare. Number of representatives based on population. See Governmental Member Application for details.

Governmental Members have voting rights. Read the ICC <https://www.iccsafe.org/membership/join-icc-dues-applications/> to learn more, including the allowed number of Governmental Member Voter Representatives (GMVRs.)

<https://www.iccsafe.org/membership/join-icc-dues-applications/>

# Bylaws 2.1.1.1 Governmental Member Voting Representatives



Each Governmental Member shall exercise its right to vote through its designated Governmental Member Voting Representatives, and shall be entitled to the number of Governmental Member Voting Representatives as specified in Table 2.1.1.1. Governmental Member Voting Representatives shall be designated in writing, by the Governmental Member, and shall be employees or officials of the Governmental Member or departments of the Governmental Member, provided that each of the designated voting representatives shall be an employee or a public official actively engaged either full or part time, in the administration, formulation, implementation or enforcement of laws, ordinances, rules or regulations relating to the public health, safety and welfare. The designation of a Governmental Member Voting Representative may be changed by the Governmental Member, in writing, from time to time.



# Voting Representation

<b>Table 2.1.1.1</b>	
<b>Population</b>	<b>Voting Representatives</b>
0 to 50,000	4
50,001 to 150,000	8
Over 150,000	12

<https://cdn-web.iccsafe.org/wp-content/uploads/bylaws.pdf>



# ICC CODE DEVELOPMENT PROCESS

## BY THE NUMBERS



**3,318**

CODE CHANGES



**1,552**

VOTERS



**207,176**

VOTES CAST

# Questions?



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