



# **National Green Building Standard (NGBS)**

## **2015 Revision Process**

**June 9-10, 2014 Meeting of the  
Consensus Committee and Task Groups**

# 2015 NGBS Website

[www.homeinnovation.com/NGBS](http://www.homeinnovation.com/NGBS)

# Meeting Purpose

- Orientation of Committee and Task Groups on the update process
- Task Groups start review of proposed changes
- Task Group review of Standard for developing TG proposed changes including review of references
- Committee provide direction for Task Group on big picture issues

# Objectives of the Presentation

- Discuss NGBS history and organizing principles
- Discuss ANSI process
- Discuss 2015 update process
- Discuss Home Innovation's experience as Adopting Entity (Bob Hill)

# 2015 Update Process

## Why:

- Fulfill ANSI requirements for continuous maintenance process
- Stay on track with 3-year I-codes update cycle
- Remain current with technologies, information, regulatory and market conditions
- Improve usability of the NGBS based on implementation experience

# History of NGBS

- **2007** – NAHB and ICC announce development of an ANSI Standard
- **January 29, 2009** – ANSI approval of 2008 NGBS
- **January 10, 2013** – ANSI approval of 2012 NGBS
- **March 2014** – ICC/NAHB/ASHRAE partnership
- **TBD** – 2015 NGBS

# Title, Scope, Intent, Purpose

- Purview of the Secretariat
- Not subject to change by the Consensus Committee

# NGBS Scope

- All residential (R1, R2, R3, R4, and IRC)
- New or existing construction
- Multi-unit (multifamily)
- Mixed-use (only residential portion)
- Subdivisions (land intended for future buildings)
- Existing construction
  - Whole-house or functional areas
- Accessory structures (Appendix E)



# NGBS Organizing Principles

- Uniform and universal green building criteria for all types of residential construction
- Organization and format lend to integration into design and compatible with building code requirements
- Criteria transparent, practical, verifiable
- Criteria based on degree of benefit

# NGBS Organizing Principles

- Establish minimum thresholds in all green building categories
- Provide a range of performance levels, including ultra-efficient, to accommodate various markets
- Minimum thresholds that can be practically and economically implemented
- Provide flexibility for use in various climates and regulatory markets

# NGBS Definition of Green

- Green buildings are designed, constructed, and operated with a goal of minimizing their environmental footprint ... (Commentary)
- Implemented by establishing 6 (six) green building categories:
  - land development, resources efficiency, water efficiency, energy efficiency, IEQ, operation and education

# NGBS Point System

- A multi-tiered green performance level system
  - Bronze, Silver, Gold, Emerald
- A minimum number of points must be achieved in each category
- Performance levels expressed in terms of minimum required number of points
  - Exceptions: functional areas, accessory structures
- A set of mandatory practices
- Points are assigned to each practice based on relative ranking within the chapter
- Water and energy are aligned with savings

# NGBS Point System

- Enables designers to find the most effective and efficient path in reaching the project's green building goals
- Ability to achieve and recognize incremental improvements (instead of one size fits all)
- Ability to emphasize regional and local environmental conditions
- Ability to integrate into varying regulatory markets
- Ability to more quickly evolve with changes in technology, market, and regulation

# ANSI Process

- Cornerstones of ANSI process
  - Openness
  - Consensus
  - Balance
  - Representation
  - Due process
  
- Result
  - Recognition and credibility

# ANSI Process

- Openness
  - Open CC and TG application process
  - Proposed Changes process
  - Public comment process
  - Appeals process
  - Open meetings

# ANSI Process

- Consensus, Balance, Representation
  - Consensus Committee of 42
    - General Interest – 10
    - Users – 16
    - Producers – 16
  - Broad stakeholder representation
  - 2/3 of the committee must be in agreement to implement a change



# ANSI Process

- Due process
  - Ballot of all substantive changes
  - Consideration of views and objections from committee and public
  - Opportunity for committee members to change their vote after consideration of objection(s)
  - Appeals process

# Home Innovation Research Labs

- ANSI-accredited standards developer (SDO)
- Secretariat function – establish the rules (in compliance with ANSI essential requirements) and make sure the rules are followed
- Vladimir Kochkin – committee secretary
- Thomas Kenney – standards coordinator (oversight)

# 2015 NGBS Milestones

- February 1 – Process announced, committee application open, proposed change process open
- April 7 – Application closed, proposed changes closed
- April 18 – Committee and TG rosters announced
- May 19 – Proposed changes posted
- June 9-10 – Meeting of TGs and CC
- **September 10 – Deadline for TGs to finish review of Proposed Changes**
- **First week of November – Meeting of the CC to form Formal Actions on Proposed Changes (tentative)**

# 2015 NGBS Milestones

- December 2014 – First Ballot of Committee
- February-March 2015 – First Public Comment Process
- February-March 2015 – TG review and assignment of points
- May-June 2015 – Third and final meeting of the Committee
- Summer 2015 – Second Ballot and Public Comment (concurrent)
- Early Fall 2015 – Circulation of all Comments
- TBD

# Balloting and Voting

- A simple majority of members have to return ballot (including abstentions and negatives without a reason) for ballot to be valid
- 2/3 voting in the affirmative (not counting abstentions and negative ballots without comment) is required to achieve consensus

# Balloting and Voting

- Votes counted by individual proposed change
- Proposed changes that do not achieve consensus – disapproved
  - The current language (2012 NGBS) is retained
- There will not be a vote to approve the entire document

# Committee Meetings

## Meetings 2 and 3:

- Votes on disposition of proposed changes, public comments, etc
- To develop a sense of agreement prior to ballot (formal consensus - ballot)
- Opportunity to debate issues face to face – consensus building
- 2/3 majority (not counting abstentions)
  - Simple majority at chair's discretion
- No quorum requirements for meetings

# Logistics

- All relevant information:  
[www.HomeInnovation.com/ngbs](http://www.HomeInnovation.com/ngbs)
- All general announcements and communications:  
[standards@HomeInnovation.com](mailto:standards@HomeInnovation.com)
  - *All should have received emails*
- All ballots will be issued electronically and voting will occur via a web-based tool
- Send questions to  
[standards@HomeInnovation.com](mailto:standards@HomeInnovation.com)



# Task Group Role

- Provide committee with additional technical expertise
- Not a consensus body
- Seven Task Groups (up to 17 people per TG)
- TG Chairs and Vice Chairs
- Staff
- Review of the Proposed Changes
- Generate additional Proposed Changes as needed
- Review of public comments
- Review points

# Task Groups

- TG-1: Administration, Compliance, and Operation & Owner Education, Accessory Struct. (Ch.1,2,3,10)
  - Matthew Dobson - Chair
  - Charles Foster - Vice Chair
  - Michelle Desiderio - Staff
- TG-2: Site and Lot Development (Ch. 4,5)
  - Don Whyte - Chair
  - David Collins - Vice Chair
  - Staff: Claire Worshtil - Staff
- TG-3: Resource Efficiency and Indoor Environmental Quality (Ch. 6, 9)
  - Josh Jacobs - Chair
  - Kurt Hansen - Vice Chair
  - Cindy Wasser - Staff

# Task Groups

- TG-4: Water Efficiency (Ch.8)
  - Michael Cudahy - Chair
  - Ryan Taylor - Vice Chair
  - Kevin Kauffman - Staff
- TG-5: Energy Efficiency (Ch.7)
  - Jeff Inks - Chair
  - Randall Melvin - Vice Chair
  - Vladimir Kochkin - Staff
- TG-6: Multifamily (Ch.3, all)
  - Paula Cino - Chair
  - Miles Haber - Vice Chair
  - Carmel McGuire - Staff

# Task Groups

- TG-7: Renovations and Additions (Ch. 3, 11, 12)
  - Paul Sullivan - Chair
  - Chris Mathis - Vice Chair
  - Kevin Kauffman – Staff
- Bob Hill
  - Implementation experience
- Additional Considerations
  - TG-6
  - TG-7

# TG Logistics

- Meetings are run by the Chair or Vice Chair
- Frequency of TG calls established by Chair based on workload
- Meetings open (controlled by Chair)
- Staff: logistical support
- Only TG members vote
- Simple majority of TG members in attendance is sufficient to move an action forward (not counting abstentions)
- ALL proposed changes get moved to the Committee

# TG Logistics

- MS Word file with all proposed changes (Chair)
  - Recommended actions
  - Reason for each proposed change
  - Due September 10<sup>th</sup>
- TG vote count recorded and reported to the committee ('unanimous' is acceptable)
- New Proposed Changes - **due July 10<sup>th</sup>**
  - TG members only
  - Submit to the TG Chair and a copy to Staff
  - Use the Form
- DropBox for sharing files
- Conference call numbers issued for each TG

# Proposed Changes

Task Group 1	28
Task Group 2	53
Task Group 3	81
Task Group 4	16
Task Group 5	65
Task Group 6	1
Task Group 7	37
<b>Total</b>	<b>281</b>

# Actions on Proposed Changes

- Accept (only editorial changes can be implemented)
- Accept as modified (stay within the spirit of the original proposal)
- Reject (flat-out or in favor of a similar proposal)

**Reason statement:** does not need to be long, but should concisely describe the rationale for rejecting the change



# Meeting Assignments

- Start taking actions on proposed changes
- Review of assigned chapters and start development of TG changes as needed
- Reconvene tomorrow morning for general session
  - Task Group Chair reports
  - Committee discussion on any significant items
- Remember the Deadlines
  - July 10<sup>th</sup>
  - September 10<sup>th</sup>

# Questions?

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