

# 2024 NGBS Consensus Committee

## Meeting Minutes

November 8-10, 2022

National Housing Center

1201 15th Street, NW, Washington, DC 20005

## Call to Order

The 2024 NGBS Consensus Committee held its second meeting of the 2024 NGBS Update on November 8-10, 2022, at the National Housing Center in Washington, D.C. Chairman Robert Ross convened the meeting and Kevin Kauffman, Coordinator of Standards and Testing at Home Innovation Research Labs, took roll. See [Appendix A](#) for a list of meeting participants.

## Introductions and Opening Remarks (November 8, 2022)

During the roll call, each member of the committee briefly introduced themselves.

## Approval of Minutes (November 8, 2022)

**2024 NGBS Consensus Committee Motion: Approve Minutes from June 7, 2022 Meeting.**

**Maker: Hope Medina**

**Second: Craig Drumheller**

The motion was carried unanimously via voice vote.

## Overview and Orientation (November 8, 2022)

Kevin Kauffman presented and discussed the process and the procedures for the meeting. (A one-pager with the Basic Rules and Procedures for the meeting was emailed to the committee prior to the meeting and was also available to all members at the meeting.) The hearing order, process for the Consent Agenda, and voting protocol were discussed in detail including examples of typical situations. A version of the Consent Agenda with actions on each item removed from the consent agenda as recorded at the end of the meeting can be found in [Appendix B](#).

## Consensus Committee Review of Proposed Changes (November 8-10, 2022)

**2024 NGBS Consensus Committee Motion: Make following changes to language and terminology in entire standard at staff discretion:**

- **Substitute 'not less than' for 'minimum' and 'at least'**
- **Substitute 'not greater than' for 'maximum'**
- **Substitute 'in accordance with' for 'per'**
- **Substitute 'shall' for 'must'**

- **Substitute ‘complying with’ for ‘meet’**
- **Substitute ‘where’ for ‘if’**

**Maker: Paula Cino**

**Second: Hope Medina**

The motion was carried unanimously via voice vote with 1 abstention.

The Consensus Committee adopted a Formal Action (Accept, Accept as Modified, or Disapprove) on each of the 248 Proposed Changes that were submitted by the public, task groups, or committee members. The Consent Agenda items were voted on in blocks by section. Prior to addressing each section Robert Ross asked if anyone present (member or guest) would like to remove any items in that section from the Consent Agenda. Each Proposed Change removed from the Consent Agenda was introduced by the Task Group Chair (or their representative) responsible for the section. The Task Group Chair (or their representative) would first motion to Accept, Accept as Modified, or Disapprove in accordance with the Task Group Recommendation which was followed by discussion and resolution by the entire Consensus Committee. Once each Proposed Change removed from the Consent Agenda had been acted on, the Task Group Chair (or their representative) moved to accept all Task Group Recommendations for items on the Accept & Accept as Modified Consent Agenda for that Section. Following this action, the Task Group Chair (or their representative) moved to accept all Task Group Recommendations for items on the Disapproved Consent Agenda for that section. This process was repeated for each section. The meeting was open to the public and visitors were provided with an opportunity to address the committee.

**2024 NGBS Consensus Committee Motion: Point system in draft standard be open for public comment.**

**Maker: Aaron Gary**

**Second: William Sanderson**

The motion was carried unanimously via voice vote with one abstention.

**2024 NGBS Consensus Committee Motion: Include the following as examples of qualified wellness professionals in Verifier Resource Guide (VRG) or other guidance documents:**

- **EEBA – (Energy and Environmental Building Alliance) Healthier Homes Awareness for Building Professionals Course – these classes are coordinated with Allergy Standard & Construction instruction. The course has 7 categories or cells and varies from .5 to 2 hours a course**
- **RESET – RESET (Residential Energy Service Network) Professionals AP, RESET certification for the buildings. This AP requires prerequisite training on your own, as well as a prelim exam to get into an intensive training and final exam for certification**
- **WWYW – (Wellness Within Your Walls) provides a holistic approach to health and wellness in the built environment through 4-Course Series 4.5 hours results in certification after an exam assessment.**
- **WELL – WELL AP Credentials; their courses are meant to provide expertise in certification under the WELL Building Standard V.2.**
- **Fitwel – does not seem to cover certification of people.**

**Maker: William Sanderson**

**Second: Aaron Gary**

The motion was carried via voice vote with one negative.

**2024 NGBS Consensus Committee Motion: Carry-over accepted changes in Sections 1-10 to mirrored versions in Sections 11 and 12.**

**Maker: Craig Conner**

**Second: William Sanderson**

The motion was carried unanimously via voice vote.

## Review of the 2024 NGBS Update Process & Next Steps (November 10, 2022)

Kevin Kauffman provided an overview of the next steps in the process including the letter ballot on initial Formal Actions, development of the Draft Standard, public comment period, and processing of public and ballot comments.

The next meeting was discussed and was tentatively planned to occur in the second half of 2023.

## Adjournment (November 10, 2022)

Robert Ross thanked everyone for their participation, hard work, and commitment to the improvement of the National Green Building Standard. The meeting was adjourned by Robert Ross at 11:30 am on Thursday November 10, 2022.

# Appendix A

Attendees and Guests

## CONSENSUS COMMITTEE MEMBERS AND ALTERNATES

Aaron Gary  
Christopher Perry  
Craig Charles Conner  
Craig Drumheller  
Greg Coolidge  
Hope Medina  
Jeff Bradley

Jerud Martin  
John Barrows  
Jonah Schein  
Karla Butterfield  
Shannon Corcoran (alternate  
for Kevin Duell)  
Laurie Colwander

Michael Blanford  
Michael Cudahy  
Paula Cino  
Robert Ross  
Sara Krompholz  
Steven Rosenstock  
William Sanderson

Committee Members absent: Farah Qadeer, Howard Wiig, Joshua Robert Stack, Justin Mahley, Kathleen Lane, Kyle Bergeron, Richard C Truitt, Theresa Weston, and Thomas Culp.

## Guests

Alex Smith  
Augusto Valezquez  
Gary Ehrlich

Greg Johnson  
Jillian Pritchard Cooke  
Marie Esser Cloos

Marie Nisson  
Michelle Diller  
Stephen Evanko

## Home Innovation Staff

Cindy Wasser  
Elina Thapa

Katherine Dorn  
Kevin Kauffman  
Michelle Foster

## Appendix B

Consent Agenda with Actions on Items Removed  
as Recorded at the End of the Meeting

# Hearing Order and Consent Agenda

**November 8-10, 2022**

National Housing Center | 1201 15th Street, NW | Washington, DC 20005 | 202-266-8200

A - Accept

AM - Accept as Modified

D - Disapprove

Non-Consent Agenda		Consent Agenda	
Accept & Accept as Modified with Negative Votes	Removed From Consent Agenda	Accept & Accept as Modified Unanimous Votes	Disapprove
<b>Section 2 Definitions</b>			
A005 - D		A001	P001
		A002	A003
		A004	
<b>Section 3 Compliance Method</b>			
	P003 - AM	P002	
	A007 - AM	P004	
	A008 - AM	A006	
		A009	
		A010	
		A011	
<b>Section 4 Site Design and Development</b>			
	A012 - AM		
<b>Section 5 Lot Design, Preparation, and Development</b>			
	P005 - D	P007	P006
	P008 - AM		A015
	A013 - AM		A016
	A014 - AM		A018
	A017 - AM		A019
	A020 - AM		

Non-Consent Agenda		Consent Agenda	
Accept & Accept as Modified with Negative Votes	Removed From Consent Agenda	Accept & Accept as Modified Unanimous Votes	Disapprove
<b>Section 6 Resource Efficiency</b>			
P009 - AM	P010 - AM	P012	P015
	P011 - A	P013	P017
	P016 - AM	P014	P018
	P019 - AM	A021	A027
	A022 - A	A023	A034
	A024 - A	A026	
	A025 - AM	A030	
	A028 - AM	A031	
	A029 - AM	A032	
	A033 - A		
	A035 - AM		
<b>Section 7 Energy Efficiency</b>			
P023 - D	P021 - D	P020	P028
P025 - AM	P022 - D	P024	P030
P027 - AM	P026 - D	P031	P034
P029 - AM	P043 - D	P032	P038
P045 - AM	A044 - D	P033	P040
A041 - A	A051 - AM	P035	P041
A048 - AM	A052 - AM	P036	P044
A055 - AM	A057 - AM	P037	A036
A063 - A		P039	A037
A064 - AM		P042	A038
		P046	A039
		A042	A040
		A046	A043
		A049	A045
		A050	A047
		A053	A054
		A056	A058
		A060	A059
			A061
			A062
<b>Section 8 Water Efficiency</b>			
A066 - AM	P051 - AM	P048	P047
A068 - A	A069 - AM	P049	P052
		P050	A065
		A067	A070

Non-Consent Agenda		Consent Agenda	
Accept & Accept as Modified with Negative Votes	Removed From Consent Agenda	Accept & Accept as Modified Unanimous Votes	Disapprove
<b>Section 9 Indoor Air Quality</b>			
P062 - AM	P053 - AM	P055	P056
P063 - AM	P054 - AM	P061	P057
A072 - AM	P058 - AM	A071	P060
	P059 - AM	A076	A083
	A073 - AM	A077	
	A074 - AM	A078	
	A075 - AM		
	A079 - AM		
	A080 - AM		
	A081 - AM		
	A082 - AM		
<b>Section 10 Operation, Maintenance, and Building Owner Education</b>			
P071 - AM	P066 - AM	P064	P065
	P069 - AM	P068	P067
	P070 - AM		A084
<b>Section 11 Remodeling</b>			
	P077 - D	P072	P079
		P073	
		P074	
		P075	
		P076	
		P078	
		P080	
<b>Section 12 Certified Compliance Path for Single-Family Homes, Townhomes, and Duplexes</b>			
A087 - AM	P081 - AM	P084	
	P082 - AM	P085	
	P083 - AM	A088	
	P086 - A		
	P087 - AM		
	P088 - AM		
	P089 - AM		
	A086 - D		



Non-Consent Agenda		Consent Agenda	
Accept & Accept as Modified with Negative Votes	Removed From Consent Agenda	Accept & Accept as Modified Unanimous Votes	Disapprove
<b>Section 13 Commercial Spaces</b>			
	P091 - D	P090	P092
	P093 - AM	A089	
	A093 - AM	A090	
		A091	
		A092	
		A094	
		A095	
		A096	
		A097	
		A098	
		A099	
		A100	
		A101	
		A102	
		A103	
		A104	
<b>Section 14 Referenced Documents</b>			
		A105	
<b>NGBS Appendix B: Examples of Third-Party Programs for Indoor Environmental Quality</b>			
	P094 - AM	A106	
<b>NGBS Appendix C: Accessory Structures</b>			
		P095	
		A107	
		A108	

Non-Consent Agenda		Consent Agenda	
Accept & Accept as Modified with Negative Votes	Removed From Consent Agenda	Accept & Accept as Modified Unanimous Votes	Disapprove
<b>NGBS Appendix D: Water Rating Index</b>			
	P100 - AM	P096	P103
	P101 - AM	P097	P105
	P104 - AM	P098	P106
		P099	
		P102	
		A109	
		A110	
		A111	
		A112	
		A113	
		A114	
		A115	
		A116	
		A117	
		A118	
		A119	
		A120	
		A121	
		A122	
		A123	
		A124	
<b>Stand Alone Tropical Zone Section</b>			
	A125 - AM		
	A126 - D		
	A127 - D		
	A128 - D		
	A129 - D		
	A130 - D		
	A131 - D		
	A132 - D		
	A133 - D		
	A134 - D		
	A135 - D		
	A136 - D		
	A137 - D		
	A138 - D		
	A139 - D		
	A140 - D		
	A141 - D		
	A142 - D		

<b>Withdrawn</b>
A085