

**DRAFT MINUTES**  
**GBI Consensus Body for New Construction- Call #10**  
**Webinar/Teleconference**  
**June 3, 2024, from 1:00 p.m. to 3:00 p.m. ET**

**NOTE ALL TIMES ARE EASTERN TIME**

**Consensus Body Members in Attendance**

Full Name	Company	6/3/24	4/22/24	4/5/24	4/3/24	3/27/24
Jeff Bradley	American Wood Council	Absent	X	X	X (arrived late)	X
Karen Butler	EPA, Office of Air and Radiation	X (arrived late)	X	X	X	X
Virgil Campaneria (Chair)	Gurri Matute PA	X	X	Absent	X	Absent
Michael Cudahy	PPFA - PPEF	X	X	X	X	X
Larry Eisenberg	Ovus Partners 360	X	X (left early)	X	X	X
Tehmina Husain	Merrick and Company	N/A	N/A	N/A	N/A	N/A
Josh Jacobs	WAP Sustainability	X	Absent	Absent	Absent	X
Ashley Langenfeld	Hoefler Welker	Absent	Absent	X (Proxy Eisenberg)	X (left early)	X
Michael Lehman	ConTech Lighting	X	X (arrived late)	X (acting Chair)	X	Absent
John Mullen	IAPMO	X	X	Absent	X (Proxy Butler)	X (Proxy Tin)
James O'Brien	Independent Environmental Consultant	X	X	X	Absent	X (Acting Chair)
Max Puchtel	American Institute of Steel Construction	X	Absent	Absent	X	X

Jane Rohde	JSR Associates, Inc. (representing RFCI)	Absent	X	X (Proxy Cudahy)	X (Proxy Cudahy)	X
Stephen Szoke	American Concrete Institute	X	X	Absent	X	X (Proxy Puchtel)
Sumayyah Theron	Cyclone Energy Group	X (Proxy Eisenberg)	X (Proxy Eisenberg)	X	X (left early)	X
Angela Tin	American Lung Association	X	X	X	Absent	X

### Voting Alternates in Attendance

Full Name	Organization	6/3/24	4/22/24	4/5/24	4/3/24	3/27/24
John Cross	American Institute of Steel Construction		X			
Alexa Root	Hoefer Welker	X				

### Interested Parties in Attendance

Full Name	Organization	6/3/24	4/22/24	4/5/24	4/3/24	3/27/24
Viken Koukounian	Parklane Mechanical Acoustics	X	X		X	X (arrived late)
Niklas Moeller	LogiSon Acoustic Network		X			

### Staff in Attendance

Full Name	Organization	6/3/24	4/22/24	4/5/24	4/3/24	3/27/24
Katy Johnson	Staff, GBI	X	X			
Emily Marx	Secretariat, GBI		X	X	X	X
Sara Rademacher	Staff, GBI	X	X	X	X	X
Micah Thomas	Staff, GBI	X				

### Roll Call & Welcome

Secretariat Sara Rademacher welcomed everyone to the meeting, reviewed the GBI Anti-Trust Policy, Code of Conduct policy and notified participants that the call was being recorded for the purpose of preparing minutes. No objections or concerns were raised.

### Administrative Items

Chair Virgil Campaneria reviewed the agenda and asked if anyone had any comments or concerns. There were no comments or concerns.

**MOTION: A Motion was made and seconded to approve the agenda as presented.**

**Discussion that took place on the Motion:**

- There was no discussion.

**VOTE: The Motion carries with 9 in favor, 0 opposed, 2 abstained.**

Abstain: Sumayah Theron, Mike Lehman

### Energy Pathway Proposal Review

Rademacher provided background that while the Consensus Body approved the Energy Pathways consisting of an ANSI/ASHRAE/IES Standard 90.1-2013 baseline in fall of 2023, there has been ongoing discussions that the energy pathway baseline should at least be ANSI/ASHRAE/IES Standard 90.1-2016. She explained that the GBI board recently voted to institute minimum requirements for the Green Globes New Construction and Green Globes Existing Building programs to be in line with the 90.1-2016 baseline. The following changes will make the New Construction program align with the new Green Globes minimum requirements, existing requirements for Journey to Net Zero, and current market trends.

It was noted that the proposed new changes are listed in red, and all changes previously approved by the Consensus Body remain in black.

### Energy-227

**Proposed Revision:** 8.1.1A PATH A: ANSI/ASHRAE/IES STANDARD 90.1-~~2013~~, APPENDIX G, ~~Other Baselines: OR ANSI/ASHRAE/IES STANDARD Appendix G, 90.1-2010, 90.1-2016, OR 90.1-2019, as translated using the Green Globes Energy Baseline Calculator~~ (180 POINTS)

~~8.1.1A.1 The building complies with minimum performance based requirements of ANSI/ASHRAE/IES Standard 90.1-2010 or the 2012 IECC; The proposed building complies with all minimum energy performance requirements of the Authority Having Jurisdiction.~~

AND

~~The building demonstrates an improvement over an ANSI/ASHRAE/IES Standard 90.1-2010 Appendix G baseline through the use of a whole building energy modeling. The Proposed building demonstrates compliance with and/or an improvement over the ANSI/ASHRAE/IES Standard 90.1-~~2016~~ 2013 Appendix G Baseline through the use of whole-building energy modeling in accordance with Appendix G. For whole building energy modeling in accordance with ANSI/ASHRAE/IES Standards 90.1-2010, 90.1-2016, or 90.1-2019 Appendix G (as may be dictated by the Authority Having Jurisdiction), the Green Globes Energy Baseline Calculator is used to estimate the ANSI/ASHRAE/IES Standard 90.1-2013 Appendix G baseline.~~

If there is no Authority Having Jurisdiction requirement for ANSI/ASHRAE/IES Standard 90.1 compliance, any of the aforementioned versions of ANSI/ASHRAE/IES 90.1 may be utilized for compliance in conjunction with the Green Globes Energy Baseline Calculator.

OR

The proposed building complies with the minimum performance based requirements of either ANSI/ASHRAE/IES Standard 90.1-2013, 90.1-2016, or 90.1-2019, or the 2015, 2018, or 2021 IECC.

AND

The proposed building demonstrates an improvement over an estimated ANSI/ASHRAE/IES Standard 90.1-2010 Appendix G baseline through the use of whole building energy modeling in accordance with Appendix G for either ANSI/ASHRAE/IES Standards 90.1-2013, 2016, or 2019, using the Green Globes® Energy Baseline Translator™ to estimate the ANSI/ASHRAE/IES Standard 90.1-2010 Appendix G baseline.

Maximum = 180 points

- One hundred and eighty points are earned for a ≥32 40% improvement over the baseline.
- One hundred and seventy-six points are earned for a ≥30 8% to <32 40% improvement over the baseline.
- One hundred and sixty-eight points are earned for a ≥28 36% to <30 8% improvement over the baseline.
- One hundred and sixty points are earned for a ≥26 34% to <28 36% improvement over the baseline.
- One hundred and fifty-two points are earned for a ≥24 32% to <26 34% improvement over the baseline.
- One hundred and forty-four points are earned for a ≥22 30% to <24 32% improvement over the baseline.
- One hundred and thirty-six points are earned for a ≥20 8% to <22 30% improvement over the baseline.
- One hundred and twenty-eight points are earned for a ≥18 26% to <20 8% improvement over the baseline.
- One hundred and twenty points are earned for a ≥16 24% to <18 26% improvement over the baseline.
- One hundred and twelve points are earned for a ≥14 22% to <16 24% improvement over the baseline.
- One hundred and four points are earned for a ≥12 20% to <14 22% improvement over the baseline.
- Ninety-six points are earned for a ≥10 8% to <12 0% improvement over the baseline.
- Eighty-eight points are earned for a ≥8 16% to <10 8% improvement over the baseline.
- Eighty points are earned for a ≥6 14% to <8 16% improvement over the baseline.
- Seventy-two points are earned for a ≥4 12% to <6 14% improvement over the baseline.
- Sixty-four points are earned for a ≥2 10% to <4 12% improvement over the baseline.
- Fifty-six points are earned for a ≥8% to <10% compliance with 90.1-2016 Appendix G or up to 2% improvement over the baseline.
- Forty-eight points are earned for a ≥6% to <8% improvement over the baseline.
- Forty points are earned for a ≥4% to <6% improvement over the baseline.
- Thirty-two points are earned for a ≥2% to <4% improvement over the baseline.
- Twenty-four points are earned for a ≥0% to <2% improvement over the baseline.
- No points are earned for 0% improvement over the baseline.

- One hundred eighty points are earned for a  $\geq 45\%$  improvement over the baseline.
- One hundred sixty points are earned for a  $\geq 40\%$  to  $< 45\%$  improvement over the baseline.
- One hundred forty points are earned for a  $\geq 35\%$  to  $< 40\%$  improvement over the baseline.
- One hundred twenty points are earned for a  $\geq 30\%$  to  $< 35\%$  improvement over the baseline.
- One hundred points are earned for a  $\geq 25\%$  to  $< 30\%$  improvement over the baseline.
- Eighty points are earned for a  $\geq 20\%$  to  $< 25\%$  improvement over the baseline.
- Sixty points are earned for a  $\geq 15\%$  to  $< 20\%$  improvement over the baseline.
- Forty points are earned for a  $\geq 10\%$  to  $< 15\%$  improvement over the baseline.
- Twenty points are earned for a  $\geq 5\%$  to  $< 10\%$  improvement over the baseline.
- No points are earned for a  $< 5\%$  improvement over the baseline.

**MOTION: The Motion was made and seconded to accept the proposed revision.**

**Discussion took place on the Motion:**

- There was concern that the updated language doesn't clarify within the criterion that any 90.1 baseline can be converted to 2016 with the Green Globes Energy Baseline Calculator and that it may cause confusion if any mention of this is moved to the assessment guidance.
- There was a question on adding 90.1 2022 to the standard, but Micah Thomas, GBI's Compliance Specialist stated that it could not be added to the calculator because the calculator is based off of Pacific Northwest National Laboratory data that has not been completed and released yet.
- There was agreement to add the line: "To use other versions of ANSI/ASHRAE/IES Standard 90.1, use the Green Globes Energy Baseline Calculator."
- There was still some concern about the lack of clarity on which ASHRAE 90.1 baseline version should be used by clients.

**VOTE: The Motion carries with 9 in favor, 1 opposed, 1 abstained.**

Opposed: Josh Jacob

Abstain: Sumayyah Theron

**Energy-228**

**Proposed Revision:** 8.1.1B Path B: Performance – International Energy Conservation Code (IECC), 2012, 2015, 2018, or 2021 as translated to ANSI/ASHRAE/IES Standard 90.1-2013, Appendix G (8.1.1A Path A), as applicable to the project as dictated by the Authority Having Jurisdiction and translated using the Green Globes Energy Baseline Calculator (180 POINTS)

8.1.1B.1 The proposed building complies with all minimum energy performance requirements of the Authority Having Jurisdiction.

AND

The building demonstrates **compliance with or an** improvement over an estimated ANSI/ASHRAE/IES Standard 90.1-~~2016~~ **2013**, Appendix G (as per 8.1.1A Path A) through the use of a whole-building energy modeling and as translated from the IECC Baseline using the Green Globes Energy Baseline Calculator.

If there is no Authority Having Jurisdiction requirement for IECC compliance, any of the aforementioned versions of the IECC may be utilized for compliance in conjunction with the Green Globes Energy Baseline Calculator.

Maximum = 180 points

- One hundred and eighty points are earned for a  $\geq 32.40\%$  improvement over the baseline.
- One hundred and seventy-six points are earned for a  $\geq 30.8\%$  to  $< 32.40\%$  improvement over the baseline.
- One hundred and sixty-eight points are earned for a  $\geq 28.36\%$  to  $< 30.8\%$  improvement over the baseline.
- One hundred and sixty points are earned for a  $\geq 26.34\%$  to  $< 28.36\%$  improvement over the baseline.
- One hundred and fifty-two points are earned for a  $\geq 24.32\%$  to  $< 26.34\%$  improvement over the baseline.
- One hundred and forty-four points are earned for a  $\geq 22.30\%$  to  $< 24.32\%$  improvement over the baseline.
- One hundred and thirty-six points are earned for a  $\geq 20.28\%$  to  $< 22.30\%$  improvement over the baseline.
- One hundred and twenty-eight points are earned for a  $\geq 18.26\%$  to  $< 20.28\%$  improvement over the baseline.
- One hundred and twenty points are earned for a  $\geq 16.24\%$  to  $< 18.26\%$  improvement over the baseline.
- One hundred and twelve points are earned for a  $\geq 14.22\%$  to  $< 16.24\%$  improvement over the baseline.
- One hundred and four points are earned for a  $\geq 12.20\%$  to  $< 14.22\%$  improvement over the baseline.
- Ninety-six points are earned for a  $\geq 10.18\%$  to  $< 12.20\%$  improvement over the baseline.
- Eighty-eight points are earned for a  $\geq 8.16\%$  to  $< 10.18\%$  improvement over the baseline.
- Eighty points are earned for a  $\geq 6.14\%$  to  $< 8.16\%$  improvement over the baseline.
- Seventy-two points are earned for a  $\geq 4.12\%$  to  $< 6.14\%$  improvement over the baseline.
- Sixty-four ~~64~~ points are earned for a  $\geq 2.10\%$  to  $< 4.12\%$  improvement over the baseline.
- Fifty-six points are earned for ~~compliance with ASHRAE 90.1 2016 or up to 2% improvement over the baseline.~~
- ~~Forty eight points are earned for a  $\geq 6\%$  to  $< 8\%$  improvement over the baseline.~~
- ~~Forty points are earned for a  $\geq 4\%$  to  $< 6\%$  improvement over the baseline.~~
- ~~Thirty two points are earned for a  $\geq 2\%$  to  $< 4\%$  improvement over the baseline.~~
- ~~Twenty four points are earned for a  $\geq 0\%$  to  $< 2\%$  improvement over the baseline.~~
- ~~No points are earned for a  $< 8.0\%$  improvement over the baseline.~~

**MOTION: The Motion was made and seconded to accept the proposed revision.**

**Discussion took place on the Motion:**

- There were concerns that the ASHRAE 90.1 2022 baseline isn't able to be used in the Green Globes Energy Baseline Calculator yet and is thus, not included in the standard.

**VOTE: The Motion carries with 8 in favor, 1 opposed, 2 abstained.**

Opposed: Josh Jacobs

Abstain: Sumayyah Theron, Max Puchtel

### **Energy-231**

**Public Comment:** ~~83.1.1B1C.1~~ The ENERGY STAR® score of the proposed building design is 75 80 or greater for a mixed use multi-family and multi-family building benchmarked in Target Finder ~~as~~ determined by whole building energy modeling in accordance with the modeling guidelines prescribed in ANSI/ASHRAE/IES Standard 90.1-20196 Appendix G.  
~~For MURBs and Office buildings only.~~

**Reason:** Updating ENERGY STAR path to ASHRAE 90.1 2016 from 2010

**MOTION: The Motion was made and seconded to accept the proposed revision.**

- There was no discussion.

**VOTE: The Motion carries with 10 in favor, 0 opposed, 1 abstained.**

Abstain: Sumayyah Theron

### **Energy-230**

**Public Comment:** 8.4.1.1 Conduct a study to determine the technical feasibility and life cycle cost effectiveness of on-site renewable energy. The study considers an on-site renewable energy system that provides at least 2% of the total building annual energy cost usage either from a system connected to the building or generated on campus.

**Reason:** Approve update language from Energy Subcommittee.

**MOTION: The Motion was made and seconded to accept the proposed revision.**

- There was no discussion.

Karen Butler joined meeting

**VOTE: The Motion carries with 9 in favor, 0 opposed, 3 abstained.**

Abstain: Sumayyah Theron, Max Puchtel, Angela Tin

### **New Business**

It was asked if the excel sheet rows could be unprotected so members can open each cell and review then in advance of the meeting.

**MOTION: The motion was made, seconded, and carried unanimously to adjourn.**

**Meeting adjourned at 1:38 PM EST.**