



GBI Consensus Body for Existing Buildings- Call #10
 Webinar/Teleconference
 March 23, 2023 from 3:00 to 5:00 p.m. ET

NOTE ALL TIMES ARE EASTERN TIME

Consensus Body for Existing Buildings Members in Attendance

Full Name	Organization	3/23/23	3/9/23	9/20/22	11/17/21	11/15/21
Benjamin Bojda	Dominion Environmental Consultants NV, Inc	X	X	X	X (Proxy Cole)	X
Larry Clark	Sustainable Performance Solutions	X	X	X	X (Proxy Shymko)	X (Proxy Shymko)
Michael Cudahy	PPFA - PPEF	X	X	X (left early)	X	X
Chris Fournier	Signify	X	Absent	N/A	N/A	N/A
Lawrence (Buddy) Humphries (Chair)	Efficient Green, LLC	X	X	X	X	X
Christoph Lohr	IAPMO	N/A	N/A	Absent	Absent	X
John Mullen	IAPMO	X	X			
Max Puchtel	American Institute of Steel Construction	X (left early)	X	X	Absent	X
Dave Ray	Independent Contractor	X	Absent	X	Absent	Absent
Benjamin Reeves	Arete Design Group	X	X (Proxy Shymko)	X (Proxy Shymko)	X (Proxy Sullivan)	X
Jane Rohde	JSR Associates, Inc., The Vinyl Institute / Resilient Floor Covering Institute	X (arrived late)	Absent	X	X (Proxy Cudahy)	X (Proxy Cudahy)
Anthony Serres	Signify North America Corporation	N/A	N/A	Absent	X	X
Gord Shymko	G. F. Shymko & Associates Inc.	X	X	X	X	X
Frank Sullivan	Kiewit	Absent	Absent	X	X	X
Michael Zatz	ENERGY STAR Commercial & Industrial Branch, U.S. Environmental Protection Agency	X	X	X	X	X

Voting Alternates in Attendance

Full Name	Organization	3/23/23	3/9/23	9/20/22	11/17/21	11/15/21
Dan Cole	IAPMO				X	
John Mullen	IAPMO			X		

Interested Parties in Attendance

Full Name	Organization	3/23/23	3/9/23	9/20/22	11/17/21	11/15/21
Rob Brooks	Rob Brooks Associates					X
Randolph Chapman	EPA's Indoor Environments Division			X		
Soph Davenberry	Independent Consultant				X	X
Larry Eisenberg	Ovus Partners 360	X	X	X		
Josh Jacobs	WAP Sustainability				X	
Viken Koukounian	K.R. Moeller Associates Ltd.	X	X	X		
James O'Brien	Independent Environmental Consultant				X	X

Staff in Attendance

Full Name	Organization	3/23/23	3/9/23	9/20/22	11/17/21	11/15/21
Emily Marx	Secretariat, GBI	X	X	X	X	X
Sara Rademacher	Staff, GBI	X	X	X		X
Micah Thomas	Staff, GBI				X	X

Welcome and Roll Call

Secretariat Emily Marx welcomed everyone to the meeting, took roll call to establish quorum, 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. She asked if any guests or interested parties wanted to discuss any comment or topic. No interested party noted an item they wanted to discuss.

Marx reviewed the Consensus Body for Existing Buildings roster and noted the three interest categories, General Interest, Producer, and User. She stated that there is balance on the Consensus Body for Existing Buildings.

Administrative Items

Chair Buddy Humphries welcomed everyone to the meeting. Humphries reviewed the agenda and asked if anyone had any comments or concerns. There were no comments or concerns.

MOTION: A Motion was made, seconded, and carried unanimously to approve the Agenda as presented.

Marx noted that the previous minutes were not final yet and will be sent to the Consensus Body ahead of the next meeting for approval.

ESG Public Comment Review

The ESG/IEQ Subcommittee Chair reviewed the proposals for change before placing a motion.

EBESG-216

Proposed Revision: 1.1.1.2 There is a comprehensive written and fully implemented building environmental management plan and program, including a policy statement and a comprehensive structure based around an EMS.

⇒ 4 points

1.1.1.4 There are action plans based on measurement and performance data, operational controls and monitoring, thermal comfort reporting, and incident records to improve the environmental and energy performance of the building.

⇒ 4 points

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

Discussion took place on the Motion:

- There was no discussion.

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

EBESG-206

Proposed Revision: 1.1.1.3 The following building related goals and targets are documented in the building environmental management plan:

1.1.1.3.1 Energy conservation

1.1.1.3.2 Water conservation

1.1.1.3.3 Waste reduction and recycling

1.1.1.3.4 CO2 equivalent (e) emission reduction

1.1.1.3. 45 Environmental purchasing

1.1.1.3. 56 Schedule for regular checks on air-handling units, cooling towers, boilers, chillers, and/or applicable HVAC system(s) and other significant energy consuming equipment

1.1.1.3. 67 Indoor Air Quality (IAQ)

1.1.1.3. 78 Reduction in use and proper handling of toxic or hazardous products

1.1.1.3. 89 Training and education

Maximum = 8 points

One point is earned for each target to a maximum of eight points.

- One point is earned for 1.1.1.3.1.

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- One point is earned for 1.1.1.3.9.

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

Discussion took place on the Motion:

- There was no discussion.

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

EBESG-209

Proposed Revision: 1.2.3.2 There are communications to building occupants on the environmental measures that they can implement in the building to contribute to the following:

1.2.3.2.1 Energy conservation

1.2.3.2.2 Water conservation

1.2.3.2.3 Waste reduction and recycling

~~1.2.3.2.3~~ 1.2.3.2.4 Proper handling, storage, and disposal of toxic or hazardous products

1.2.3.2.5 IAQ

1.2.3.2.6 CO2 equivalent (e) emission reduction

Maximum = 6 points

- ~~Two~~ One points ~~are~~ is earned for 1.2.3.2.1.
- ~~Two~~ One points ~~are~~ is earned for 1.2.3.2.2.
- ~~Two~~ One points ~~are~~ is earned for 1.2.3.2.3.
- One point is earned for 1.2.3.2.4.
- One point is earned for 1.2.3.2.5.
- One point is earned for 1.2.3.2.6.

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

Discussion took place on the Motion:

- There was no discussion.

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

Jane Rohde joined the meeting.

EBESG-210

Proposed Revision: 1.1.1.10 Landlord and tenant/s enter into a lease that monitors and manages the following:

- Energy performance
- Water performance
- Waste
- CO2 equivalent (e) emissions
- Commuting
- MERV Filtration
- Cleaning Schedules

1.1.1.10.1 Contract provisions require the maintenance and/or improvement as measured in models or over baselines.

1.1.1.10.2 Contract provisions require monitoring, collection, and monitoring of data/usage from tenants and common areas.

Maximum= 2 Points

- One point is earned for 1.1.1.10.1.
- One point is earned for 1.1.1.10.2.
- Not applicable if owner-occupied, ~~or~~ unoccupied, or MURB.

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

Discussion took place on the Motion:

- There was discussion on how multifamily projects would be affected by the criteria. It was noted that some multifamily tenets enter into agreements and the project's certification could be affected because of agreements put into place before the Green Globes for EB certification process.
- There was agreement on adding MURB to the Not applicable text.
- It was noted that the criteria are very vague and could mean many different things.
- A member stated that this was heavily debated at the subcommittee meeting, but it is worth two points and is an important but complicated topic.
- It was argued that the draft standard should define green lease.

- It was stated that MURBs should be included in the criteria and that they should lose the points instead of being given an N/A. There was discussion on different lease agreements and aspects that are common to multifamily projects.

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

Opposed: Mike Cudahy

EBESG-217

Proposed Revision: 1.2.1.1 A multi-hazard risk assessment has been completed for the building and location that includes as a minimum, the following current and future risks or hazards as applicable:

- 1.2.1.1.1 Floods (coastal storm surge, tidal, pluvial/stormwater, or fluvial/riverine)
- 1.2.1.1.2 Seismic events (earthquake, volcanism, and/or resulting tsunami)
- 1.2.1.1.3 Landslides and avalanches
- 1.2.1.1.4 Severe weather (wind, tornado, hail, lighting, snow, ice-storms, drought, or severe heat or cold)
- 1.2.1.1.5 Wildfires
- 1.2.1.1.6 Man-made risks (explosion, ~~terrorism~~ terrorist act, or poison release)
- 1.2.1.1.7 Health issues (e.g., pandemics, or sanitation issues in the aftermath of a disaster)
- 1.2.1.1.8 Infrastructure disruptions (loss of energy, water, sanitation, transportation, or communications service)
- 1.2.1.1.9 Changes to geology and/or groundwater conditions that affect or disrupt infrastructure and/or facility function

Discussion took place before the Motion:

- Staff discussed making editorial changes to have words either plural or singular for consistency, and to change terrorisms to terrorist act.
- There was discussion on whether the criteria are just examples or a hard list. It was noted that “as a minimum” should be added to the text.
- There was discussion on whether an N/A should be added after some of the criteria. It was argued that this is why ‘as applicable’ already exists in the text.
- The addition of 1.2.1.1.9 was discussed and members spoke of different examples that they have dealt with.
- There was agreement that an “/or” should be added before resulting tsunami.
- The exact revisions to take place for the criteria was agreed on.

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

Discussion took place on the Motion:

- There was no discussion.

VOTE: The Motion carries with 11 in favor, 0 opposed, 0 abstained.

Site Public Comment Review

The Site/Materials Subcommittee Chair reviewed the one public comment and a new section on exterior lighting safety before placing a motion.

EB201-17

Public Comment: ~~2.2.2.8 Onsite private parking spaces are EV ready and/or are equipped with electric charging stations.~~

Suggest revising to “Parking areas have EV charging spaces and the electric infrastructure to support expansion of current EV charging stations (EV ready).”

In the points column, suggest these revisions:

~~Eight~~ Four points are earned for buildings when $\geq 10\%$ (minimum of 1) of private onsite parking spaces are EV ready and/or are equipped with electric charging stations.

--Four points are earned for buildings when $\geq 5\%$ to $< 10\%$ (minimum of 1) of private onsite parking spaces are EV ready and/or are equipped with electric charging stations.

--Three points are earned for ensuring EV charging spaces are kept available for charging (e.g., by towing non-charging vehicles, promptly repairing or replacing broken chargers, etc.).

--One point is earned for making at least some EV charging spaces available to the public.

Reason: To align with proven strategies and make this criteria impactful and verifiable.

Recommended Response: Thank you for your comment. Your comment has been accepted with modification. Points were modified to match those available within this section and further clarification was added for assessment.

2.2.2.8 Onsite private parking spaces are EV ready and/or are equipped with electric charging stations. Parking areas have EV charging spaces and the electric infrastructure to support expansion of current EV charging stations (EV ready).

For example, EV ready includes conduits in place to support installation of charging stations.

Maximum = 8 points

• Four points are earned for buildings when $\geq 5\%$ of onsite parking spaces are equipped with electric charging stations.

• Two additional points are earned for buildings when $\geq 10\%$ of onsite parking spaces are equipped with electric charging stations.

• ~~Eight~~ Two points are earned for buildings when $\geq 10\%$ (minimum of 1) of private onsite parking spaces are EV ready and/or are equipped with electric charging stations.

• ~~Four~~ points are earned for buildings when $\geq 5\%$ to $< 10\%$ (minimum of 1) of private onsite parking spaces are EV ready and/or are equipped with electric charging stations.

• Not applicable if the building is regularly unoccupied or does not have private onsite parking.

MOTION: The Motion was made and seconded to accept with modification the proposed response.

Discussion took place on the Motion:

• There was no discussion.

VOTE: The Motion carries with 11 in favor, 0 opposed, 0 abstained.

EBSite-211, EBSite-212, EBSite-213, EBSite-214, EBSite-215, EBCB-203

EBSite-211 Proposed Revision: 2.4 SAFETY (5 POINTS)

2.4.1 EXTERIOR LIGHTING SAFETY

EBSite-212 Proposed Revision: 2.4.1.1 Orientation and Wayfinding, all exterior vertical and horizontal illuminances fall within the specified range per Table A-1 in Annex A of ANSI/IES RP-43-21, Recommended Practice: Lighting Exterior Applications, 2021.

2 points or N/A

• Not applicable where there is no site lighting.

EBSite-213 Proposed Revision: 2.4.1.2 Glare Reduction, exterior luminaires provide 55° cutoff above the horizontal plane. Exception for luminaires installed for the sole purpose of illuminating art, buildings, or trees.

1 points or N/A

• Not applicable when luminaires are installed for the sole purpose of illuminating art, buildings, or trees or where there is no site lighting.

EBSite-214 Proposed Revision: 2.4.1.3 Color Rendering, exterior luminaires provide 80 or greater Color Rendering Index OR IES TM-30 Rf (Fidelity) of 80 and Rg (Gamut) of 85. Exception for luminaires installed for the sole purpose of illuminating art, buildings, or trees.

1 points or N/A

• Not applicable when luminaires are installed for the sole purpose of illuminating art, buildings, or trees or where there is no site lighting.

EBSite-215 Proposed Revision: 2.4.1.4 For the safety and reassurance of pedestrians, uniformity is critical to ensure appropriate lighting of all contents within the same field of view. Exterior uniformity shall be 4:1 (Max:Avg) or greater for LZ0 or 20:5:1 (Max:Avg:Min) or greater for LZ1, LZ2, LZ3, and LZ4.

1 points or N/A

• Not applicable where there is no site lighting.

EBCB-203 Proposed Revision: 2. SITE (~~95~~ 100 POINTS)

MOTION: The Motion was made and seconded to accept the new Safety Section (EBSite-211, EBSite-212, EBSite-213, EBSite-214, EBSite-215) and the header for the Assessment Area (EBCB-203).

Discussion took place on the Motion:

• There was no discussion.

VOTE: The Motion carries with **11** in favor, **0** opposed, **0** abstained.

Energy Public Comment Review

The Energy Subcommittee Vice Chair reviewed proposals for change to the Energy Assessment Area regarding redistributing points to weigh topics more heavily. The Vice Chair also discussed two additional pathways for Energy Performance on ASHRAE Building EQ and Net Zero Carbon or Energy Certification.

Max Puchtel left the meeting.

EBCB-208 Proposed Revision: 3.1.1 ENERGY CONSUMPTION

Path A, B, ~~or C, D, or E~~

~~Three~~ Five paths are available for assessing energy consumption.

• 3.1.1A Path A: Improvement over Baseline: Up to ~~100~~ 125 points

OR

• 3.1.1B Path B: ENERGY STAR® Benchmarking: Up to ~~100~~ 125 points

OR

• 3.1.1C Path C: Alternative Building Energy Performance Metric: Up to ~~100~~125 points

OR

• 3.1.1D Path D: ASHRAE Building EQ: Up to 125 points

OR

• 3.1.1E Path E: Net Zero Carbon or Energy Certification:125 points

Points cannot be combined between paths. Select one of the paths below. ~~If the building is eligible for an ENERGY STAR Score, then Path A (Improvement Over Baseline) or Path B (ENERGY STAR Score) must be pursued. If the building is not eligible for an ENERGY STAR score and Path A cannot be pursued (refer to the Assessment Guidance in the Technical Manual), then Path C (Alternative Building Energy Performance) can be pursued. Please note, manufacturing/industrial plants are eligible for an ENERGY STAR Score.~~

Buildings may also make a regression to other sources of peer data such as CBECS, I2SL, or industry group data for an ENERGY STAR equivalency by pursuing Path C if the building type is not eligible for the other Paths.

EBCB-213 Proposed Revision: 3.1.1A.1 There is at least a 15% reduction in the building's energy over a 5-year benchmarking period or 6 to 10-year benchmarking period.

Maximum = 125 ~~100~~ points

- One hundred twenty-five ~~100~~ points are earned for a >45% reduction over a 5-year benchmarking period.
- One hundred five ~~86~~ points are earned for a ≥41% to ≤45% reduction over a 5-year benchmarking period.
- Eighty-five ~~71~~ points are earned for a ≥36% to <41% reduction over a 5-year benchmarking period.
- Sixty-five ~~56~~ points are earned for a ≥31% to <36% reduction over a 5-year benchmarking period.
- Fifty ~~43~~ points are earned for a ≥26% to <31% reduction over a 5-year benchmarking period.
- Thirty-five ~~28~~ points are earned for a ≥21% to <26% reduction over a 5-year benchmarking period.
- Twenty ~~13~~ points are earned for a ≥15% to <21% reduction over a 5-year benchmarking period.
- No points are earned for a <15% reduction over a 5-year benchmarking period.
- One hundred ~~80~~ points are earned for a >45% reduction of the 6 to 10-year benchmarking period.
- Eighty ~~65~~ points are earned for a ≥41% to ≤45% reduction of the 6 to 10-year benchmarking period.
- Sixty ~~50~~ points are earned for a ≥36% to <41% reduction of the 6 to 10-year benchmarking period.
- Forty ~~35~~ points are earned for a ≥31% to <36% reduction of the 6 to 10-year benchmarking period.
- Twenty-five ~~20~~ points are earned for a ≥26% to <31% reduction of the 6 to 10-year benchmarking period.
- Fifteen ~~12~~ points are earned for a ≥21% to <26% reduction of the 6 to 10-year benchmarking period.
- Eight ~~6~~ points are earned for a ≥15% to <21% reduction of the 6 to 10-year benchmarking period.
- No points are earned for a <15% reduction of the 6 to 10-year benchmarking period.

EBEnergy-214 Proposed Revision: 3.1.1B.1 The ENERGY STAR® score of the building is 75 or greater.

Maximum = 125 ~~100~~ points

- One hundred twenty-five ~~100~~ points are earned for an ENERGY STAR® score of 95 to 100.
- One hundred ten ~~88~~ points are earned for an ENERGY STAR® score of 90 to 94.
- Eighty-five ~~68~~ points are earned for an ENERGY STAR® score of 85 to 89.
- Sixty-five ~~52~~ points are earned for an ENERGY STAR® score of 80 to 84.
- Fifty ~~40~~ points are earned for an ENERGY STAR® score of 75 to 79.
- No points are earned for an ENERGY STAR® score of 74 or below.

EBEnergy-215 Proposed Revision: 3.1.1C.1 The building's current standing as compared to average performance for the building type is at least 75.

Maximum = 125 ~~100~~ points

- One hundred twenty-five ~~100~~ points are earned when the building's current standing is 95 to 100.
- One hundred ten ~~88~~ points are earned when the building's current standing is 90 to 94.
- Eighty-five ~~68~~ points are earned when the building's current standing is 85 to 89.
- Sixty-five ~~52~~ points are earned when the building's current standing is 80 to 84.
- Fifty ~~40~~ points are earned when the building's current standing is 75 to 79.
- No points are earned when the building's current standing is 74 or below.

EBEnergy-201 Proposed Revision: 3.1.1D PATH D: ASHRAE BUILDING EQ

3.1.1D.1 The ASHRAE Building EQ in Operation rating is 85 or below.

Maximum = 125 points

- One hundred twenty-five points are earned when the building's ASHRAE Building EQ in Operation rating is 50 or less.
- One hundred twenty-one points are earned when the building's ASHRAE Building EQ in Operation rating is 51 to 53.
- One hundred sixteen points are earned when the building's ASHRAE Building EQ in Operation rating is 54 to 56.
- One hundred eleven points are earned when the building's ASHRAE Building EQ in Operation rating is 57 to

59.

- One hundred eight points are earned when the building's ASHRAE Building EQ in Operation rating is 60 to 62.
- One hundred four points are earned when the building's ASHRAE Building EQ in Operation rating is 63 to 65.
- Ninety points are earned when the building's ASHRAE Building EQ in Operation rating is 66 to 68.
- Seventy-six points are earned when the building's ASHRAE Building EQ in Operation rating is 69 to 71.
- Sixty-three points are earned when the building's ASHRAE Building EQ in Operation rating is 72 to 74.
- Forty-nine points are earned when the building's ASHRAE Building EQ in Operation rating is 75 to 77.
- Thirty-five points are earned when the building's ASHRAE Building EQ in Operation rating is 78 to 80.
- Twenty-one points are earned when the building's ASHRAE Building EQ in Operation rating is 81 to 83.
- Eight points are earned when the building's ASHRAE Building EQ in Operation rating is 84 to 85.
- No points are earned when the building's ASHRAE Building EQ in Operation rating is 86 or higher.

EBEnergy-209 Proposed Revision: 3.1.1E PATH E: Net Zero Carbon or Energy Certification

3.1.1E.1 The project has achieved a Net Zero Carbon or a Net Zero Energy certification from a nationally or regionally recognized certification program within the last three years.

125 points

EBEnergy-238 Proposed Revision: 3.1 ENERGY PERFORMANCE (~~100~~125 POINTS)

EBEnergy-216 Proposed Revision: 3.2 PRESCRIPTIVE ENERGY MEASURES (~~94~~ 110 POINTS)

EBEnergy-217 Proposed Revision: Complete regardless of the path chosen above.

3.2.2.2 Exterior LPDs comply with or improve upon ANSI/ASHRAE/IES Standard 90.1-2013 Section 9.4.3 for exterior lighting power density.

Additional control requirements to earn LPD credit include:

- Deactivating lighting when sufficient daylight is available; and
- Shutting off façade and landscape lighting between midnight and business opening, or other similar hours approved by the AHJ.

Maximum = 2 points or N/A

- Two points are earned where LPDs are 20% below ANSI/ASHRAE/IES Standard 90.1-2013.
- One point is earned where ANSI/ASHRAE/IES Standard 90.1-2013 is met.
- Not applicable where there are no exterior luminaries.

EBEnergy-218 Proposed Revision: 3.2.2.3 Garage and Parking Lot Lighting Control: Pole lighting in parking lots and garage luminaires are controlled such that at least 50% of the lighting power is automatically reduced during periods of no activity detected in the lighting zone.

Maximum = 2 points or N/A

- Two points are earned where all garage and parking lot general lights are controlled to more than one lighting level.
- One point is earned where 50% of the garage and parking lot general lighting is controlled to more than one lighting level.
- Not applicable where there are no garage or parking lot general lighting fixtures.

EBEnergy-219 Proposed Revision: Maximum = 5 points

- Five points are earned when performance exceeds ANSI/ASHRAE/IES Standard 90.1-2010 by 5% or more.
- Three points are earned when performance meets ANSI/ASHRAE/IES Standard 90.1-2010.

- No points are earned for not meeting ANSI/ASHRAE/IES Standard 90.1-2010 or electric resistance heating.
- Not applicable if the building does not use heating.

EBEnergy-221 Proposed Revision: 3.2.6.1 The building has high-efficiency water heating equipment.

4 4 points

EBEnergy-222 Proposed Revision: ~~3.2.6.3 The domestic hot water (DHW) system is monitored or controlled by a BAS or similar standalone controls.~~

~~1~~ point

EBEnergy-223 Proposed Revision: 3.2.8.1 The HVAC system uses ventilation heat recovery.

Maximum = ~~15~~ 5 points

- Fifteen ~~Five~~ points are earned when the HVAC system uses ventilation heat recovery.
- Eight ~~Three~~ points are earned when the HVAC system partially uses ventilation heat recovery.

EBEnergy-225 Proposed Revision: 3.3 ENERGY MAINTENANCE & PROGRAM (84 ~~45~~ POINTS)

EBEnergy-226 Proposed Revision: 3.3.1 ENERGY POLICY AND MANAGEMENT

3.3.1.1 There is a comprehensive energy maintenance program addressing energy-related systems and equipment operations applicable to the building.

Maximum = 4 points

- Four points are earned when the maintenance program addresses building equipment and/or systems comprising $\geq 75\%$ to $\leq 100\%$ of the building energy use.
- Two points are earned when the maintenance program addresses building equipment and/or systems comprising $\geq 50\%$ to $< 75\%$ of the building energy use.
- No points are earned when the maintenance program addresses building equipment and/or systems comprising $< 50\%$ of the building energy use.

EBEnergy-227 Proposed Revision: 3.3.1.2 There are operating manuals covering standard control settings and operating instructions for all services equipment that affect energy consumption.

2 points

EBEnergy-228 Proposed Revision: 3.3.1.3 Energy use is being monitored at the site level.

3 points

EBEnergy-229 Proposed Revision: 3.3.1.4 At least 25% of annual site energy is sub-metered and monitored as part of a comprehensive energy sub-metering approach by end-use (user, tenant, and/ or building system).

Maximum = 4 points

- Four points are earned when $\geq 75\%$ to $\leq 100\%$ of building energy use is sub-metered.
- Three points are earned when $\geq 50\%$ to $< 75\%$ of building energy use is sub-metered.
- Two points are earned when $\geq 25\%$ to $< 50\%$ of building energy use is sub-metered.
- No points are earned when $< 25\%$ of building energy use is sub-metered.

EBEnergy-230 Proposed Revision: 3.3.1.5 Measures have been taken to analyze and reduce peak electrical energy demand by at least 10%.

2 points or N/A

- Not applicable for Multi-Unit Residential Buildings (MURBs).

EBEnergy-231 Proposed Revision: ~~3.3.1 ENERGY MAINTENANCE PROGRAM~~

~~3.3.1.1 There is a comprehensive energy maintenance program addressing energy related systems and equipment operations applicable to the building.~~

~~Maximum = 10 points~~

- ~~• Ten points are earned when there is a comprehensive energy maintenance program.~~
- ~~• Five points are earned when there is a partial comprehensive energy maintenance program.~~

~~3.3.1.2 There are operating manuals covering standard control settings and operating instructions for all services equipment that affect energy consumption.~~

~~5 points~~

EBEnergy-232 Proposed Revision: 3.3.2.1 One of the following energy audits has been completed to assess energy consumption by the building and associated site:

3.3.2.1.1 A comprehensive analysis of the building's operations and energy usage has been completed, including detailed life-cycle cost analysis (LCCA).

OR

3.3.2.1.2 An audit of the building's operations and energy usage has been completed.

OR

3.3.2.1.3 A basic, high-level assessment of the building's operations and energy usage has been completed.

Maximum = 12 ~~15~~ points

- Twelve ~~Fifteen~~ points are earned for 3.3.2.1.1.

OR

- Eight ~~Ten~~ points are earned for 3.3.2.1.2.

OR

- Five ~~Six~~ points are earned for 3.3.2.1.3.

EBEnergy-233 Proposed Revision: 3.3.2.2 There is a detailed, written action plan, including timeline and finance requirements, for implementing the findings of an energy assessment audit that has been developed.

Maximum = 3 ~~5~~ points

- Three ~~Five~~ points are earned when there is a developed, detailed, written action plan.
- Two ~~Four~~ points are earned when there is a partially developed, detailed, written action plan.
- Not applicable if the energy audit is current and there are no recommendations.

EBEnergy-234 Proposed Revision: 3.3.3.1 The building systems were commissioned during construction, or retro-commissioning or recommissioning has been conducted within the last 8 years.

Maximum = 12 ~~15~~ points

- Twelve ~~Fifteen~~ points are earned when building systems were commissioned during construction, or retro-commissioning or recommissioning has been conducted within the last 8 years.
- Six ~~Eight~~ points are earned when building systems were partially commissioned during construction, or partial retro-commissioning or recommissioning has been conducted within the last 8 years.

EBEnergy-235 Proposed Revision: ~~3.3.4 ENERGY, MONITORING, POLICY, & MANAGEMENT~~

~~3.3.4.1 Energy use is being monitored at the site level.~~

~~5 points~~

~~3.3.4.2 At least 25% of annual site energy is sub-metered and monitored as part of a comprehensive energy sub-metering approach by end use (lighting, hot water, motors, steam, etc.), department, apartment unit, and other applicable data.~~

~~3.3.4.2.1 Lighting~~

~~3.3.4.2.2 Hot Water~~

~~3.3.4.2.3 Meters~~

~~3.3.4.2.4 Steam~~

~~3.3.4.2.5 Other~~

~~Maximum = 7 points~~

- ~~• Seven points are earned when $\geq 75\%$ of building energy use is sub-metered.~~
- ~~• Five points are earned when $\geq 50\%$ to $< 75\%$ of building energy use is sub-metered.~~
- ~~• Two points are earned when $\geq 25\%$ to $< 50\%$ of building energy use is sub-metered.~~
- ~~• No points are earned when $< 25\%$ of building energy use is sub-metered.~~

~~3.3.4.3 Energy sub-metering and monitoring includes trending of major equipment.
2 points~~

~~3.3.4.4 There is an energy policy and monitoring plan with energy usage targets endorsed by senior management.~~

~~3 points~~

~~3.3.4.5 There is the following evidence of progress:~~

~~3.3.4.5.1 Meeting energy targets over time~~

~~3.3.4.5.2 Implementation of energy efficiency measures~~

~~3.3.4.5.3 Documentation of energy conservation measures implemented~~

~~Maximum = 6 points~~

- ~~• Two points are earned for 3.3.4.5.1.~~
- ~~• Two points are earned for 3.3.4.5.2.~~
- ~~• Two points are earned for 3.3.4.5.3.~~

~~3.3.4.6 Steps have been taken to analyze and reduce peak energy demand.~~

~~5 points~~

~~3.3.4.7 There is an energy management or capital plan in place to fund energy efficiency projects.~~

~~2 points~~

~~3.3.4.8 Financial incentives and rebates have been leveraged to meet energy efficiency goals.~~

~~1 point~~

- ~~• Not applicable if there are no available appropriate programs.~~

EBEnergy-236 Proposed Revision: 3.4 SUSTAINABLE ENERGY (30 32 POINTS)

EBEnergy-210 Proposed Revision: 3.4.1 Renewable Energy

Two paths are provided for assessing renewable energy.

- 3.4.1A Path A: Renewable Onsite Energy: Up to 30 points

OR

- 3.4.1B Path B: Renewable Onsite and Offsite Energy: Up to 30 points

Points cannot be combined between paths. Select one of the paths below.

3.4.1A RENEWABLE ONSITE ENERGY

3.4.1A.1 1% or more of the building's total energy is provided by renewable onsite energy sources, either on a direct or net-metered basis.

Maximum – 30 points

- Thirty points are earned when $\geq 50\%$ is provided.
- Twenty-eight points are earned when $\geq 45\%$ to $< 50\%$ is provided.
- Twenty-six points are earned when $\geq 40\%$ to $< 45\%$ is provided.
- Twenty-four points are earned when $\geq 35\%$ to $< 40\%$ is provided.

- Twenty-two points are earned when ≥30% to <35% is provided.
- Twenty points are earned when ≥25% to <30% is provided.
- Eighteen points are earned when ≥20% to <25% is provided.
- Sixteen points are earned when ≥15% to <20% is provided.
- Fourteen points are earned when ≥10% to <15% is provided.
- Twelve points are earned when ≥5% to <10% is provided.
- Ten points are earned when ≥1% to <5% is provided.
- No points are earned when <1% is provided.

EBEnergy-237 Proposed Revision: Maximum – ~~14~~ 12 points

- ~~Fourteen~~ Twelve points are earned when ≥25% is provided.
- ~~Twelve~~ Ten points are earned when ≥20% to <25% is provided.
- ~~Ten~~ Eight points are earned when ≥15% to <20% is provided.
- ~~Eight~~ Six points are earned when ≥10% to <15% is provided.
- ~~Six~~ Four points are earned when ≥5% to <10% is provided.
- ~~Three~~ Two points are earned when ≥1% to <5% is provided.
- No points are earned when <1% is provided.

MOTION: The Motion was made and seconded to accept the proposed revisions to the entire Energy Assessment Area.

Discussion took place on the Motion:

- There was discussion on what would qualify as “high-efficiency water heating equipment.” It was noted that this could be defined in the Technical Manual.
- There was discussion on the technical issues of ASHRAE Building EQ path, but it was noted that it was developed by an expert in the field and tested against actual projects.
- It was argued that a Net Zero Carbon Certification might not be energy efficient. Staff noted that the pathway would only award for projects that completed a certification from an approved program noted in the Technical Manual and that approved programs would be vetted by GBI staff and SMEs.

VOTE: The Motion carries with 9 in favor, 0 opposed, 1 abstained.

Abstain: John Mullen

Materials Public Comment Review

The Site/Materials Subcommittee Chair reviewed the proposals for change or public comments before placing a motion.

EBMaterials-212

Proposed Revision: 5. MATERIALS (~~100~~ 93 POINTS)

5.1 RENOVATIONS & PROCUREMENT (~~45~~ 36 POINTS)

5.2 RECYCLING & WASTE (~~55~~ 57 POINTS)

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-210

Proposed Revision: 5.1.1 CYCLE RENOVATIONS

Path A or B

Two paths are available for assessing a cycle renovations.

- 5.1.1.1A Path A: All Building Types, Except Healthcare Settings: 5 7 points
- OR
- 5.1.1.1B Path B: Healthcare Settings: 5 7 points

5.1.1.1A.1 Procedures and assessment processes are followed for completing cycle renovations.
7 5 points

5.1.1.1B.1 Procedures and assessment processes are followed for completing cycle renovations that include designing for flexibility.
7 5 points

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-211

Proposed Revision: Maximum = 5 7 points

Points can be combined between each listed option, but maximum points awarded will not exceed 5 7 points total for 5.1.1.2.

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-213, EBMaterials-209

EBMaterials-213 Proposed Revision: 5.1.1.3 Select at least one formulated product that has a completed Occupant Exposure Screening Report (OESR) prepared in accordance with ASTM E3182-20 - Standard Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products or other third party verified transparency documentation that addresses any chemical constituents that are carcinogenic, mutagenic, or reprotoxic (CMR) to reproduction or human development and related exposure risk.

Points are earned for discrete products with different functional uses that have an OESR, SDS, HPD, or equivalent labeling/certification that includes transparency and ingredient listing for specified products.

EBMaterials-209 Proposed Revision: 5.1.1.3 Select at least one formulated product that has a completed Occupant Exposure Screening Report (OESR) prepared in accordance with ASTM E3182-20 - Standard Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products.

Points are earned for discrete products with different functional uses and not variations of the same product unless the manufacturers show substantial difference between the chemical constituents or components.

Maximum = ~~10~~ 4 points

Points are earned where products undergo a screening-level product risk assessment:

- ~~• Ten points are earned for 10 products.~~
- ~~• Nine points are earned for 9 products.~~
- ~~• Eight points are earned for 8 products.~~
- ~~• Seven points are earned for 7 products.~~
- ~~• Six points are earned for 6 products.~~

- ~~Five points are earned for 5 products.~~
- Four points are earned for 4 or more products.
- Three points are earned for 3 products.
- Two points are earned for 2 products.
- One point is earned for 1 product.

MOTION: The Motion was made and seconded to accept the proposed revision (EBMaterials-213, EBMaterials-209).

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-203

Proposed Revision: Not applicable when there is no available existing furniture.

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-206

Proposed Revision: 5.1.1.5 There is a construction, renovation and demolition waste management policy, procedure, and plan for cycle renovation(s).

~~5~~3 points

Cycle renovation: a periodic evaluation / assessment and update (not including regular maintenance) of an existing space, group of spaces, or systems.

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

Discussion took place on the Motion:

- There was no discussion.

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

EBPoints205

Proposed Revision: 5.1.2.1 Building management has a written environmental impact purchasing policy that identifies sustainable and wellness purchasing goals.

~~5~~3 points

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

Discussion took place on the Motion:

- There was no discussion.

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

EB201-23 and EB202-24

EB201-23 Public Comment: 5.1.2 ENVIRONMENTAL PURCHASING

5.1.2.1 Building management has a ~~written~~ publicly available environmental purchasing policy that identifies priority spend categories and goals. ~~5~~2 points

EB201-23 Reason: Having a policy is a first step and the committee should consider providing additional guidance here as to what needs to be included in that policy for the points to be awarded.

EB201-23 Recommended Response: Thank you for your comment. Your comment has been accepted with modification. The reason for modification is to clarify the wording and make it able to be assessed. The requirements in the following sections are also not duplicated in the below revision.

5.1.2 ENVIRONMENTAL PURCHASING

5.1.2.1 Building management has a written environmental impact purchasing policy that identifies sustainable and wellness purchasing goals and is publicly available.

Maximum = 5 3 points

Two points are earned for having a written policy.

One point is earned for making it publicly available.

EB202-24 Public Comment: 5.1.2.1 Building management has a ~~written~~ publicly available environmental purchasing policy that identifies key spend categories and goals. 5 2 points

EB202-24 Reason: Having a policy is a first step and the committee should consider providing additional guidance here as to what needs to be included in that policy for the points to be awarded.

EB202-24 Recommended Response: Thank you for your comment. Your comment has been accepted with modification. The reason for modification is to clarify the wording and make it able to be assessed. The requirements in the following sections are also not duplicated in the below revision.

5.1.2 ENVIRONMENTAL PURCHASING

5.1.2.1 Building management has a written environmental impact purchasing policy that identifies sustainable and wellness purchasing goals and is publicly available.

Maximum = 5 3 points

Two points are earned for having a written policy.

One point is earned for making it publicly available.

MOTION: The Motion was made and seconded to accept with modification the proposed responses for EB201-23 and EB202-24.

MOTION: The Motion was made and seconded to accept with modification the proposed response.

Discussion took place on the Motion:

- There was discussion that some projects would not be comfortable or able to publicly make available their policies and it is the purview of GBI's standard to just confirm that they have a policy.
- It was argued that making a company post the policy publicly may ensure that the company adheres to it.
- There was discussion of various aspects of making policies available and the differences between documents that are available or not available.
- It was noted that points could be split up so that some points are awarded for having the policy and one point is awarded for making it publicly available. There was an agreement to revise the language to award projects for both aspects. The exact criteria language was reviewed and agreed on.

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

EB201-24 & EB202-25

EB201-24 Public Comment: 5.1.2.2 ~~There is a list of~~ Contracts have been updated to include environmentally preferred ~~products used in~~ housekeeping and building maintenance ~~based upon the building type application~~ products that have been certified to meet standards and ecolabels managed by or recommended by EPA. See <https://www.epa.gov/greenerproducts/recommendations-specifications-standards-and-ecolabels-federal-purchasing> 5 3 points

EB201-24 Reason: Edits intended to make this criterion impactful and verifiable.

EB201-24 Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: The reference noted will be reviewed for future potential inclusion in the Technical Manual. The revision proposed is already covered in its entirety in 6.3.1.1.

EB202-25 Public Comment: 5.1.2.2 ~~There is a list of~~ Contracts have been updated to include environmentally preferred ~~products used in~~ housekeeping and building maintenance ~~based upon the building type application~~ products that have been certified to meet standards and ecolabels managed by or recommended by EPA.

See <https://www.epa.gov/greenerproducts/recommendations-specifications-standards-and-ecolabels-federal-purchasing> 5 3 points

EB202-25 Reason: Edits intended to make this criterion impactful and verifiable.

EB202-25 Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: The reference noted will be reviewed for future potential inclusion in the Technical Manual. The revision proposed is already covered in its entirety in 6.3.1.1.

MOTION: The Motion was made and seconded to reject the comments and reply with the proposed responses for EB201-24 and EB202-25.

Discussion took place on the Motion:

- It was noted that currently EPA only has 40 ecolabels, but they are currently in the process of adding more to their approved list.

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

EB201-25 & EB202-26

EB201-25 Public Comment: 5.1.2.3 The purchasing policy includes the requirement for purchasing energy and water saving equipment certified as meeting ENERGYSTAR and WaterSense. 5 points

EB201-25 Reason: Edits intended to make this criterion impactful and verifiable by defining what qualifies as energy and water saving equipment. These programs provide verified product registries necessary for successful implementation of sustainable purchasing policies.

EB201-25 Recommended Response: Thank you for your comment. Your comment has been accepted with modification. The criteria have been re-worded for clarity. We have added in a FEMP-designated requirement. The modification is below:

5.1.2.3 The purchasing policy includes the requirement for purchasing ~~energy and water saving equipment~~ ENERGY STAR® labeled, FEMP-designated, and WaterSense® labeled products where available.

EB202-26 Public Comment: 5.1.2.3 The purchasing policy includes the requirement for purchasing energy and water saving equipment certified as meeting ENERGYSTAR or other FEMP-designated energy-efficient products, and WaterSense. 5 points

EB202-26 Reason: Edits intended to make this criterion impactful and verifiable.

EB202-26 Recommended Response: Thank you for your comment. Your comment has been accepted with modification. The criteria has been reworded for clarity. We have added in a FEMP-designated requirement. The modification is below:

5.1.2.3 The purchasing policy includes the requirement for purchasing ~~energy and water saving equipment~~ ENERGY STAR® labeled, FEMP-designated, and WaterSense® labeled products where available.

MOTION: The Motion was made and seconded to accept with modification the proposed responses for EB201-25 and EB202-26.

Discussion took place on the Motion:

- There was no discussion.

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

EB201-26 and EB202-27

EB201-26 Public Comment: 5.1.2.4 The purchasing policy requires that Safety Data Sheets (SDSs) are reviewed by staff and contractors who purchase and use hazardous products. 3 0 points

EB201-26 Reason: Edits intended to make this criterion impactful and verifiable. It seems that this is a standard procedure versus a leadership approach.

Additional comments through email: I thought about suggesting deletion and struggled with giving this criterion any points (any workers dealing with hazardous materials should be – and maybe legally are already?)

- required to read SDSs). But I also wanted to provide some suggested edits in case the committee thinks this is something warranting extra credit via the standard.

EB201-26 Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: This requirement is already covered by the Federal OSHA standard 29 CFR 1910.1200.

EB202-27 Public Comment: 5.1.2.4 The purchasing policy requires that Safety Data Sheets (SDSs) are reviewed by staff and contractors who purchase and use hazardous products.

EB202-27 Reason: Edits intended to make this criterion impactful and verifiable.

EB202-27 Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: This requirement is already covered by the Federal OSHA standard 29 CFR 1910.1200.

MOTION: The Motion was made and seconded to reject the comments and reply with the proposed responses for EB201-26 and EB202-27.

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-202

Proposed Revision: ~~5.1.2.4 Safety Data Sheets (SDSs) are reviewed by staff who purchase hazardous products.~~
3 points

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-204

Proposed Revision: Not applicable when such lamps are not used.

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-208

Proposed Revision: 5.2.1.5 There is a designated storage area for reusable goods.
4 2-points

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

Discussion took place on the Motion:

- There was no discussion.

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

EBMaterials-214

Proposed Revision: 5.2.2.2 Waste is regularly monitored and documented.
4 points

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

Discussion took place on the Motion:

- There was no discussion.

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

IEQ Public Comment Review

The ESG/IEQ Subcommittee Chair reviewed the proposals for change before placing a motion.

ESGIEQ-201-19

Proposed Revision: DOAS ~~Distributed~~ Dedicated-Outdoor Air System

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

Discussion took place on the Motion:

- There was no discussion.

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

ESGIEQ-201-20

Proposed Revision: Carbon monoxide monitoring devices and alarms are installed in areas where there are sources of combustion (i.e., stoves, ovens, grills, clothes dryers, furnaces, boilers, water heaters, heaters and fireplaces).

~~6.1.3.3 There is carbon monoxide monitoring in the following:~~

~~6.1.3.3.1 Garages~~

~~6.1.3.3.2 Boilers~~

~~Maximum = 2 points or N/A~~

~~• One point is earned for 6.1.3.3.1. o Not applicable when there are no enclosed parking areas.~~

~~• One point is earned for 6.1.3.3.2.~~

~~o Not applicable when there are no enclosed boilers.~~

Not applicable where there are no areas with combustion sources.

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

Discussion took place on the Motion:

- There was no discussion.

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

EB203-2

Public Comment: and disinfection agents that are listed by the USEPA as either Safer Choice Certified products or Design for Environment Certified registered products or listed by USDA as Biopreferred. If cleaning and disinfection is provided directly by building management employees, then written policies and procedures specifically state that only the same products listed above be used.

Reason: The USDA Biopreferred program contains several types of plant based cleaners and disinfectant type products that are labeled and required to be used by Federal agencies and other groups that have adopted the USDA Biopreferred program.

Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: The USDA Biopreferred designation does not account for any hazard reduction which is the purpose of this section of the draft standard.

MOTION: The Motion was made and seconded to reject the comment and reply with the proposed response.

Discussion took place on the Motion:

- There was no discussion.

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

ESGIEQ-201-09

Proposed Revision: Not applicable for residential spaces.

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

Discussion took place on the Motion:

- There was discussion on different contractors that are common for multifamily projects.

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

ESGIEQ-201-21

Proposed Revision: 6.4.1.2 There are internal and/or external shading devices under occupant or automatic control to mitigate glare and/or uncomfortable lighting conditions in work and living spaces to provide for occupant comfort.

~~There are daylight controls for internal or external shading systems that reduce glare at work areas and Visual Display Terminals (VDT).~~

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

Discussion took place on the Motion:

- There was no discussion.

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

ESGIEQ-201-10, ESGIEQ-201-11

ESGIEQ-201-10 Proposed Revision: Not applicable for residential spaces.

ESGIEQ-201-11 Proposed Revision: Not applicable for residential spaces.

MOTION: The Motion was made and seconded to accept the proposed revisions (ESGIEQ-201-10, ESGIEQ-201-11).

Discussion took place on the Motion:

- There was no discussion.

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

Public Comment: Replace 6.4.1.16 with the below:

6.4.1.16 – Workspaces comply with UL DG24480 to ensure occupants receive enough light for circadian entrainment.

Reason: CRI has nothing to do with circadian lighting. It's an index that measures the ability of a light source to reveal colors of objects in contrast to a natural light source (the sun).

Circadian entrainment of building occupants requires lighting to be of the correct amount, intensity, timing, and duration, and primarily – ensure that the light reaches to back of building occupant's eyes to have maximum effect. Following the steps within UL's Design Guideline for Promoting Circadian Entrainment with Light for Day-Active People (DG24480) will ensure the lighting within a workspace is optimized for circadian entrainment. This is a much stronger measurement of circadian entrainment than using CCT alone.

Recommended Response: Thank you for your comment. Your comment has been rejected for the following reason: We need to have a more definitive requirement in terms of receiving enough light and what it means in terms of quantitative requirements. We would also like to keep the current CRI requirement. The proposal also does not clearly address alternative work/activity schedules.

MOTION: The Motion was made and seconded to reject the comment and reply with the proposed response.

Discussion took place on the Motion:

- A member noted that he was sympathetic to this topic and the response could be strengthened even though it is straightforward as it is currently written.

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

ESGIEQ-201-25

Proposed Revision: 3 points

Not applicable to residential units.

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

Discussion took place on the Motion:

- There was no discussion.

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

ESGIEQ-201-28, ESGIEQ-201-29, ESGIEQ-201-30

ESGIEQ-201-28 Proposed Revision: The acoustical program includes provisions ~~dedicated~~ for 'quiet' spaces for occupants; for purposes ~~reasons~~ which include focus work, relaxation, and in-person, phone and teleconference meetings, ~~and relaxation.~~

ESGIEQ-201-29 Proposed Revision: The acoustical program establishes noise limit criteria and ~~sound~~ sound masking sound levels for occupiable spaces.

ESGIEQ-201-30 Proposed Revision: The acoustical program establishes ~~acoustical~~ expectations for acoustical and speech privacy for spaces.

MOTION: The Motion was made and seconded to accept the proposed revisions (ESGIEQ-201-28, ESGIEQ-201-29, ESGIEQ-201-30).

Discussion took place on the Motion:

- There was no discussion.

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

ESGIEQ-201-26

Proposed Revision: Not applicable for Multifamily housing.

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

Discussion took place on the Motion:

- There was no discussion.

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

Mike Cudahy left the meeting.

ESGIEQ-201-27

Proposed Revision: 6.7.1.2 The ~~incoming~~ potable water for the building has been tested onsite and if the water quality report indicates needs for improvement there is a remediation policy.

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

Discussion took place on the Motion:

- There was no discussion.

VOTE: The Motion carries with 8 in favor, 0 opposed, 1 abstained.

Abstain: John Mullen

ESGIEQ-201-23

Proposed Revision: 6. 7.2.6 ~~On the main entry floor t~~There is a public amenity with signage, such as a café, library, etc. available for public access.

1 point

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

Discussion took place on the Motion:

- There was no discussion.

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

EBCB-204, ESGIEQ-201-05

EBCB-204 Proposed Revision: 6. INDOOR ENVIRONMENTAL QUALITY (~~203~~ 205 POINTS)

ESGIEQ-201-05 Proposed Revision: 6.2 HAZARD MITIGATION (~~16~~ 18 POINTS)

6.1 MEASURES6.1 INDOOR AIR QUALITY (IAQ) SYSTEMS & MEASURES (~~89~~ 87 POINTS)

MOTION: The Motion was made and seconded to accept the proposed revisions (EBCB-204, ESGIEQ-201-05).

Discussion took place on the Motion:

- There was no discussion.

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

Public Participation

There was no discussion.

New Business

There was no discussion.

Action Items

GBI staff reminded Consensus Body members to complete the doodle poll for April to determine the best date and time for meeting #11.

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

Meeting adjourned at 4:58 PM EST.