**SDC 301 CALCULATIONS SC Call Draft Minutes**

April 4, 2022 | 1:00 PM – 2:30 PM Eastern

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**Members:** Dave Roberts (Chair), Brian Christensen, Gayathri Vijaykumar, Nick Sisler, Philip Fairey, Scott Horowitz, Rob Salcido, Charlie Haack, William Ranson

**Members Present:** Brian Christensen, Dave Roberts, Gayathri Vijayakumar, Neal Kruis, Nick Sisler, Phillip Fairey, Rob Salcido, Scott Horowitz

**Members Absent:** William Ranson, Charlie Haack

**RESNET Staff Present:** Christine Do, Clara Bennett

**Minutes Prepared By:** Clara Bennett

Meeting called to order at 1:04 ET

**Approve Agenda**

Brian Christensen made a motion to approve the agenda as amended. Phillip Fairey seconds.

**Approve Meeting Minutes from March 7, 2022**

Phrase CO3 was changed to C02e. Phillip Fairey a motion to approve the meeting minutes. Brian Christensen seconded the motion. Motion carried, minutes approved.

**Proposed responses to Addendum 66f comments (Dave)**

**Comment #1**

Objection, technical. Submitted by Phillip Fairey.

ASHRAE 189.1 currently uses 20-Year GWP. Change CO2 values to C02e values based on 100-year GWP time horizon emission factors. Other organizations such as UN and EPA require the use of the 100-year GWP data, RESNET should adhere to this in 66f.

The committee agrees with this change.

The source for the proposed values of CO2e values comes from spreadsheet for ASHRAE 189.1 per Philip. ASHRAE 189.1 currently uses 20-Year GWP. Addendum M included informative appendix J which includes values for both 20 and 100 year GWP. This also includes most recent methane leakage data.

**Comment #2**

Objection, technical. Submitted by Steve Rosenstock.

Dave sent file referenced in this comment to the committee.

File includes table from ASHRAE Addendum M with data from 20-year GWP, not the 100-year data the committee has elected to use.

The committee accepts this in principle. “The committee is supportive of aligning values with the proposed version ASHRAE 189.1 Informative Appendix J. However, slightly different values (see Comment #1) that reflect the proposed version of Informative Appendix J that are based on the 100-Year GWP values.

**Comment #3**

Objection, editorial. Submitted by Steve Rosenstock

Suggested to define or change MBtu to clarify.

Rejected: MBtu is a defined term in Standard 301.

Group discussed origins and definition of MMBtu and MBtu.

**Comment #4**

Duplicate, rejected stating this.

**Comment #5**

Objection, Steve Rosenstock

Suggests the ability to use any Cambium data after 2022.

The committee rejects this comment. While the committee recognizes that the Cambium database may be updated in the future, calculations of the CO2 Index must be done consistently. Standards may be updated to reference future versions of Cambium when appropriate.

**Comment #6**

Duplicate, rejected stating this.

Phillip shared table J5 referencing Informative Appendix J with the committee. Table reflects Combustion and pre-combustion emissions for fossil fuels in both 20-year GWP and 100-Year GWP values.

Scott: Recent data shows potential significant changes to these values in the future. The committee should be aware that these values can drastically change in the future and industry professionals may disagree with RESNET’s adherence to the 100-Year and 20-Year data currently agreed upon by the committee.

If further changes are needed to accommodate changes in GWP data, this is entirely possible.

**Brian made a motion to accept the above responses, Rob seconded. Motion passed.**

**Addendum 65f comments (Gayathri)**

**Comment #1**

Objection, general. Jacob Kamen submitted this comment.

This proposed change references a third party energy efficiency program that accepts previous standards.

Phillip: This likely comes from MA, where concern has recently been raised regarding this dual-standard issue. It is not clear at this time if MA will accept 2014 HERS Index or adhere to 2019 Standards. Because of changes in leadership in local MA energy boards, this could solve itself. No action at this time.

**Comment #2**

Objection, technical.

Is there a consistent and concise way to reference updates to software as per updated standards?

RESNET requires the most current version of software- this comment asks for more clarity on exactly which version of all software is the most current. Group discussed software practices, bug updates, and possible solutions.

**Gayathri will re-write this language to better address these concerns without conflicting current standards.**

**CO2 Index and IECC (Gayathri)**

When reporting ERI in R406, can you report CO2 index simultaneously? This may be added to 2024 IECC. The group discussed the logistics of this update, and potential issues.

2024 IECC ERI values and their possible change will be discussed in an upcoming meeting.

**10ft duct testing exemption in 301 (Brian)**

The group discussed the exemption and how it changed, and concluded that CSV language needs to be included in 301.

**Motion for Adjournment by Nick Sisler at 2:04 PM ET.**