**SDC 301 CALCULATIONS SC Call Draft Minutes**

February 7, 2022 | 1:00 PM – 2:30 PM Eastern

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

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

**RESNET Staff Present:** Neal Kruis, Laurel Elam, Rick Dixon, Billy Giblin, Ryan Meres, Christine Do

**Minutes Prepared By:** Christine Do

Meeting called to order at 1:03 PM Eastern.

**Approve Agenda**

Brian Christensen made a motion to approve the agenda. Nick Sisler seconded the motion. A

**Approve Meeting Minutes from January 10, 2022**

Nick Sisler made a motion to approve the meeting minutes as amended. Brian Christensen seconded the motion.

**65f MINHERS / 301-2022 Addendum B change proposals**

Scott Horowitz asked for clarification between Addendum D, and Addendum B. Philip Fairey responded that Addendum D had been approved through RESNET, and has been sent on to ANSI for 301-2019. However, it uses the 2020 Cambium database. The 65f MINHERS and 301-2022 Addendum B change proposals are identical in language and use the 2021 Cambium database. 65f MINHERS proposal is intended to be put into use prior to 301-2022 Addendum B being finalized and published.

Rick Dixon mentioned that there is time to get an Addendum B if it does not take multiple comment periods, and adopt it in time to have it published in 301-2022. Brian asked for the group to consider revisiting items that were taken out of Addendum A, for the purposes of timely approval, to be included in Addendum B. Philip expressed that the CO2 Index should not be confounded with those other items.

Philip shared a document on proposed changes to RESNET 301-2019 Addendum D. This document was shared prior to the meeting. A summary of the proposed changes as follows:

1. Section 5.1.2.2.1.1 proposed changes ensures CO2e emissions of the rated home are reported in a more accurate manner (levelized long-run marginal emissions).
2. Section 5.1.2.2.2 proposed changes makes a reference to section 6.5 no longer necessary. There will be no further conflict with calculation of CO2 emissions relative to the Energy Rating Reference Home. Section 6.5 is proposed to be struck out due to redundance.
3. Proposed changes to footnotes reflect changes in other standards that are referenced.
4. “Pollution” as a term had been stricken from the entire document.
5. Discussion on Section 5.3.2 to discuss Energy Rating Index of the home, per Gayathri’s comment to consider adding to the label (ERI without OPP; and/or status of RECS). Gayathri spoke further to the context of a technical appeal from Jim Edelson, and how this could be a possible solution to bridge the gap. Philip’s response was to consider the maintenance of the purity of a HERS rating, considering that it is an asset rating, not a utility rating.
6. Section 6 proposed change on the calculation of CO2 Index came from a suggestion from Scott Horowitz. This proposed change ensures home size dependency is accounted for.
7. Discussion on Section 6.3 was regarding not de-coupling CO2 Index from ERI.
8. Informative notes (10 and 11) were added.

Brian suggested that the units in Table 5.1.2(1) for CO2 lb/MBtu may need further translation or clarification to have consistency with units that are later mentioned (CO2 kg/MWh). After group discussion, Brian suggested to invert order of 5.1.2.2.1 to have fossil fuel section first, and electricity use section second.

Philip presented graphs on LRMER; the general consensus on those consulted on this matter was that it is better to use month/hour data because it excludes extraneous weather excursions on any day. Neal said that this is an active discussion in the Load Flexibility Task Group.

Rick to ask Steve Baden regarding whether this will go further as an interim addendum or through another method.

Nick asked for clarification regarding usage of CO2 versus CO2e in the proposed language. Philip responded that some changes can be made in the proposed language, but not to the term “CO2 index”. The purpose of the term is for consumers understanding, not for software providers (the latter should already be aware of CO2e).

Philip also noted that the Cambium database only includes the contiguous United States, and that future consideration should be made to expand the database accordingly. A normative note was added to Section 5.3.3 to state that where Cambium data is not available for the Rated Home location, the CO2 index and projected CO2e emissions shall not be required.

Gayathri asked when the spreadsheet mentioned in informative note 10 would be posted on the RESNET website. Philip and Rick will coordinate to publish.

There were no objections by the subcommittee to move forward with the proposed changes as discussed. Rick will report to SDC 300.

**ASHRAE 90.2-2018 Addendum C**

Gayathri reported on Addendum C as a change in title, purpose, and scope. There is an expansion in scope to include multi-family high-rise. Gayathri asked the subcommittee that if anyone was familiar with submitting public comment in the ASHRAE portal, to submit a comment in support.

**Adjournment**

Motion to adjourn by Brian Christensen. Meeting adjourned at 2:30 PM Eastern.