**SDC 301 CALCULATIONS SC Call Draft Minutes**

March 7, 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:** Rick Dixon, Neal Kruis, Yatharth Vaishnani, Brian Christensen, William Ranson, Dave Roberts, Robert Salcido, Gayathri Vijayakumar, Phillip Fairey, Charlie Haack, Scott Horowitz

**Members Absent:**

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

**Minutes Prepared By:** Clara Bennett

Meeting called to order at 1:03 PM Eastern.

**Approve Agenda**

Brian Christensen made a motion to approve the agenda, Rob Salcido seconds.

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

Brian Christensen made a motion to approve the meeting minutes. Phillip Fairey seconded the motion. Motion carried, minutes approved.

**Emission Factors-**

Phillip: Continuous maintenance proposal to change co2 emission factors for household combustion fuels to include pre-combustion emissions associated, such as methane and nitrous oxide. ASHRAE addendum proposal to include the equivalent co2 emissions for the household fuels to include the afore mentioned emissions is in development. Both electricity and fuel emissions should include co3 as well as co2. This proposal was officially submitted to RESNET, but committee chose 20-year GWP to be used to determine emissions. Phillip recommends 100-year GWP for all future proposals, including this proposal. There is a significant difference between the 100-year and 20-year, as highlighted by Phillip’s calculations in spreadsheet- Phillip will share spreadsheet to inform committee members.

Modifications are proposed on document Modifications to Table 5.1.22-1\_PF. This is both a proposed change to MINHERS Addendum 66i as PDS-01 Addendum 66f, as well as a response to the continuing maintenance proposal. This is to ensure it can be used as rating guidelines. This will be included in 301-2022. This proposal will be run as MINHERS so it may be used in modeling software.

Addendum 66i is finalized, and 66f is already out for public comment, so public comment must be made to propose above change to 66f before its finalized. Phillip has volunteered to make this comment. 66f cannot go into effect until July, 1 2022. There needs to be another interim addendum added to address the 100-year changes to 66i.

Motion Made by Phillip Fairey:

Add pre-combustion to 100-year GWP

Approve proposed 301-2022 Addendum B as modified by table

Modification of proposed MINHERS Addendum 66f to include table changes

Approve interim amendment to address changes in 66i

Gayathri seconds, motion passes in unanimity.

**2024 IECC R406 ERI-**

Modeling subcommittee meets regularly to discuss proposals such as this:

R406.5 ERI and R406.2 ERI is drastically different, proposed solution is to standardize ERI targets across all software tools.

Is this a direction that is worth pursuing? Edits can still be made based on feedback of the group.

Will ANSI 301-2022 standard affect the HERS Index by significant amount when implemented? Max ERI for code compliance will be influenced by this standard. Anyone running these calculations must be using latest software in order to come up with accurate data. Software must include 301-2019 standards plus all addenda. Software providers all agree they are implementing all addenda in their software. ERI is defined in reference home, and rated homes must match this. Proposed language may need to change to better clarify this, instead of implying that each individual home has its own target ERI.

**RESNET Procedural Refresher- Rick Dixon**

SMB needs to decide whether a proposal is critical or non-critical. When there is a proposal for change, this needs to be submitted to SMB for approval. When doing updates to 301, this isn’t always necessary. Basically, committees can work between each other to submit proposed changes to SMB. With this collaboration, these proposals are usually ready to be formally submitted and passed quickly through SCC and 301.

**On-site Battery Storage proposal from Load Flexibility Task Group-**

Miscellaneous home features power draw can now be added to energy load. Most batteries have efficiency specifications depending on their charging mechanism, these variables can lead to other losses not specified by the proposal. Proposed language change could be: On-Site Battery Storage System, this would include power conversion, location, discharge rate, battery size, and many more variables. Most of this language is very similar to what is already successful in California, no HERS raters seem to be having issues in CA. Specifications could be added to credit homes with higher efficiency systems. Further comments can be discussed through email, or discussed further next month.

**Motion for Adjournment by Brian at 2:32pm ET.**