**Calculations Subcommittee Call Draft Minutes**

**10/4/2021 | 10:00 AM – 11:30 AM Pacific**

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**Members Present:**

Nick Sisler, Rob Salcido, Brian Christensen, Gayathri Vijayakumar, Dave Roberts, Charlie Haack

**Others Present:**Scott Horowitz, Brian Shanks, Ian Finlayson, Dean Gamble, Thiel Butner

**Members Absent:**Philip Fairey, William Ranson

**RESNET Staff present –**Laurel Elam, Emma Bennett, Neal Kruis

David Roberts called the meeting to order at 10:05 AM Pacific.

**Approve agenda**

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

**Approve 9/3 meeting minutes ([Link)](https://www.dropbox.com/scl/fi/le23btm25673xxri8tdk0/9-13-21_Calcs-SC-Draft-Minutes.docx?dl=0&rlkey=la33bshpmt70ork9ws4qkah0s" \t "_blank)**

Brian Christensen made a motion to approve the amended minutes from 9/3/21. Rob Salcido seconded the motion. Motion passes.

**Finalize recommended responses to 301-202x, draft PDS-02 comments**

Comment 1 - Brian Christensen stated that this change the scope would need to be changed for 301. Brian stated that Grade I should fail with code inspections but is not always practice, so it would likely make RESNET more stringent than code compliance. Rob Salcido said with Brian’s changes, it could still apply to an ICC code but would not explicitly state it, which would also allow it to be applied for other code. Brian stated that this issue will return on insulation grading. Dave changed response to comment to incorporate language.

Comment 2-5: SC agreed on proper responses, most comments were references to different appendixes that needed to be updated.

Comment 6 – Dave said work is still needed on this for group consensus, discussion on how it would change the HERS Index and what changes would need to be made to the reference home. Dave suggested that since no specific change was proposed, but Calcs SC could work on this. Neal said it would not likely be resolved until Philip is back from vacation to finalize details and can be reviewed for PDS-03. Dave asked Rick is changes to the reference home could be made and Rick said this would be possible.

Rick confirmed on the last call that PDS-03 would be necessary but may be last version before FDS. Gayathri asked if this could be resolved by end of the month to stay on time with publication. SC Calcs discussed the eaves restriction.

Neal said less critical to get it in PDS-03 but questioned how this added language would incentivize best practice. Gayathri said that PDS-04 would not be likely to ensure that it is ready by 2022. Neal suggested it could be first amendment to the next continuous maintenance proposal. Gayathri stated 2022 version use will not be enforced for several years, so asked if timing would be feasible. Neal said his preference would be to do some analysis on the reference home before change on certain slopes and truss types and would likely not be able to be done in a month, stated that if no edits are made it will be same as it currently is and not urgent.

Comment 7-8 – group agreed on outlined responses.

Comment 9 – was rejected and Dave took language from the SDC on the response to be incorporated.

Comment 10 - group agreed on outlined responses.

Brian Christensen made a motion to accept the Calculation Subcommittee responses to comments on PDS-02 301-202xand recommend that RESNET SDC 300 review and approve responses. Nick Sisler seconded the motion. Motion passes.

**Finalize recommended responses to 301-2019 Addendum D, draft PDS-01 comments**

Comment 1 -3 - Comments similar in nature on changing the title. Group agreed on recommended change.

Comment 4-6 – Comments around how individual agrees with language. Dave accepted comments.

Comment 7 – EPA proposed changes to clean up some language around the “pollution”.

Dave reviewed response to accept the alignment of language on emissions with the CO2 index. Dean Gamble stated that emission factors long-term and short-term are different, and significantly so in different parts of the country, and long-term projections would be used.

Comment 8 – NDI comment, discussion Calcs SC has had on RECs and if it can’t be proved that it will stay with the home, that it would not count. Comment provided guidance on how to prove it was given, but due to board policy cannot be accepted. Gayathri suggested editing the comment to include that it is related to a BOD policy and the response is related to ANSI standard. Brian suggested looking at the scope of Calcs w/ technical standards because it would be rejected. Gayathri stated that RESNET BOD policy states that ANSI standard consistent with the current calculations for energy rating index, would have to be consistent with CO2 index where RECS are not minimum rated features and therefore relevant in this asset rating, but different entities could incorporate this.

Comment 9 – Dave accepted in principal, and added additional language re: supply and return leakage.

Comment 10 – Dave stated this was editorial, goes back to scope and accept in principal because the addition to carbon in 5-6 was not appropriate but for 7 was acceptable.

Brian Christensen made a motion to accept the Calculation Subcommittee responses to comments on **301-2019 Addendum D, draft PDS-01** and recommend that RESNET SDC 300 review and approve responses. Nick Sisler seconded the motion. Motion passes.

Dave will send the drafted responses to Rick, Emma, and Gayathri and begin PDS-03

**Adjourn**

Nick Sisler made a motion to adjourn Meeting adjourned at 10:59 AM Pacific.