**SDC 301 CALCULATIONS SC Call Draft Minutes**

June 6, 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:** Emma Bennett, Clara Bennett, Laurel Elam, Rick Dixon

**Minutes Prepared By:** Clara Bennett

 Meeting called to order at 1:08 ET

 **Approve Agenda**

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

**Approve Meeting Minutes from May 2, 2022**

Brian Christensen made a motion to approve minutes. Rob seconded the motion.

**CMP NWI: indoor shading**

Group discussed the intents of this proposal. Solar Heat gain coefficient: group believes that the equation should be uniform in all applications to ensure consistency. Neal: in the future, physical modeling of solar heat as it relates to shading devices may need to be better defined. Group discussed possible credit to alternative shading devices. Gayathri: in 301, there is an HVAC section that references the existing equation. If the group decides to move forward, this also must be changed to ensure consistency. Edits in the proposal will be combined with other proposals to be adopted to the working draft of 301. Group continued to discuss how to simplify the language and equations referenced in proposal before submittal. Gayathri documented changes to this proposal from chat and will include these in edits.

Group discussed adopting this in the interim until there is better physical data for occupancy behavior, solar heat interacting with the rest of the heating system, and other variables.

Phillip made a motion to recommend this proposal to 301, with additional edits as discussed above including the change to the HVAC section. Rob Salcido seconds.

**On Site Battery Storage proposal from SCC**

Group discussed whether battery discharge is classified as on-site power production and therefore could grant credit to homes. This needs to be explicit in including energy stored in battery and losses in TEU, and included in the definition of OPP.

Group discussed whether to add losses to OPP, add it to TEU, or a third new term. Group generally agrees to put it into a new term defined as battery storage loss (BSL). Phillip will work on defining this equation.

Group discussed comments made on the proposal, and how it relates to current software applications. Group also discussed different types of batteries used and how to account for a variety of types in modeling while maintaining consistency. Brian: may be best to specify the dominate battery type (lithium ion) and use this as a default until a better strategy can be developed.

Group decided to remove the words “capable of” from the definition in the proposal.

Next steps: Group agrees to move forward with the current simple approach, and address further changes and sophistication in the future.

**Converting Space heating Et to AFUE & DHW COP to EF**

Group did not have time to discuss this item.

**Modeling continuous kitchen exhaust ventilation**

Group did not have time to discuss this item.

Meeting adjourned at 2:30 ET.