**Statement of Impact on Energy Rating Index and CO2e Index**

**Addendum C to ANSI/RESNET/ICC 301-2022**

**12/8/2022**

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| Modification of Equation 4.1-1a. | No impact. |
| Multiple equipment serving same load | Clarification added for consistency. In rare cases may impact ERI and CO2e Index in some accredited software. |
| Addition of on-site battery storage to Equation 4.1-2. | For homes w/ on site battery storage the ERI will increase slightly and the CO2e Index will decrease slightly to significantly. |
| 4.2.1.1. Modeling Assumptions. The assumptions specified in Normative Appendix C shall apply to all simulation models. | Added for consistency. Applied equally to both Rated Home and Energy Rating Reference Home; thus minimal impact on ERI and CO2e Index. |
| Table 4.2.2(1) modification to window interior shading | Applied equally to both Rated Home and Energy Rating Reference Home; thus minimal impact on ERI and CO2e Index. |
| Table 4.2.2(1) Rated Home air exchange rate | Clarification added for consistency. May impact ERI and CO2e Index in some accredited software. |
| Table 4.2.2(1) Rated Home Dwelling Unit Mechanical Ventilation System fan power | Clarification added for consistency. May impact ERI and CO2e Index in some accredited software. |
| Table 4.2.2(1) removal of note d. | No impact. No accredited software was implementing this. |
| Table 4.2.2(1) modifications to note f. | No impact. Referencing Appendix C for consistency/clarity. |
| Table 4.2.2(1a) modifications. | No impact. |
| Table 4.2.2(1) modifications to note x. | No impact. Language modified for clarity. |
| Table 4.2.2(1) modifications to note yy. | Added for consistency. May have moderate impact in some software but not in other software. |
| Table 4.2.2(1) modifications to note zz. | No impact. Referencing Appendix C for consistency/clarity. |
| Modifications throughout 4.2.2.7. Lighting, Appliances, Miscellaneous Energy Loads (MELs), Ventilation and Service Hot Water Systems. | No to minimal impact. Hourly values assigned to these equipment and associated internal gains. Annual values remain the same with exception of refrigerators which a slightly different. |
| HSPF2/SEER2 | Provides conversion factors for incorporation in HERS rating software that change SEER2 efficiency ratings into equivalent SEER ratings. There will be little to no effect on HERS scores from this change. For example, if you typically install an AC with a SEER Rating of 17.0 and it now has a SEER2 Rating of 16.2, you will see no impact on the HERS Index. Will have moderate impact in cases where previous Ratings were erroneously conducted by directly substituting SEER2/HSPF2 for SEER/HSPF. |