Addendum bb to 189.1-2017

Modify Section 7.5.1 as shown:

7.5.1 Annual Energy Cost. The proposed building performance cost index (PCI) with consideration of renewables shall be calculated in accordance with ANSI/ASHRAE/IES Standard 90.1, Normative Appendix G, and be equal to or less than the Performance Cost Target, as determined from the following equation:

\[
PCI_{\text{target}} = \frac{BBUEC + (BBREC \times BPF) \times (1 - RF)}{BBUEC + BBREC}
\]

where

- \( PCI_{\text{target}} \) = target PCI required for achieving compliance with the standard, unitless
- \( BBUEC \) = the component of baseline building performance that is due to unregulated energy use, $
- \( BBREC \) = the component of baseline building performance that is due to regulated energy use, or baseline building performance minus BBUEC, $
- \( BPF \) = building performance factor taken from Table 7.5.2A, unitless
- \( RF \) = renewable energy production fraction from Table 7.5.1, unitless
The proposed building PCI, without consideration of renewables, shall comply with the requirements of ASHRAE/IES Standard 90.1, Section 4.2.1.1.

On-site renewable energy systems in the proposed design shall be calculated using the procedures in Normative Appendix C. For mixed-use buildings, the building performance factor (BPF) shall be determined by weighting each building type by floor area. A building project served in whole or in part by a district energy plant shall follow the modeling requirements contained in Normative Appendix C, Section C1.3, in order to comply with this section.

7.5.1.1 Compliance with ANSI/ASHRAE/IES Standard 90.1 without renewables. The proposed building PCI shall comply with the requirements of ANSI/ASHRAE/IES Standard 90.1, Section 4.2.1.1. The energy cost credits from on-site renewable energy production shall not be subtracted from the proposed design energy costs for the purposes of this section.