BSR/ASHRAE/IES Addendum h
to ANSI/ASHRAE/IES Standard 90.1-2019

Public Review Draft


First Public Review (March 2020)
(Draft Shows Proposed Changes to Current Standard)

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FOREWORD

This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

Section 4.2.1.1 requires calculating the area-weighted average BPF for mixed use buildings that have several building area types. However, there are several different types of areas defined in the standard - gross floor area, gross conditioned floor area, gross lighted floor area, etc., and it is unclear which area applies in this case. The proposed addendum clarifies that the gross floor area should be used when calculating the area-weighted BPF. Based on the definition in Section 3, this includes area of conditioned, semi-heated and unconditioned spaces, but excludes the area of un-enclosed spaces such as crawlspaces, attics, and parking garages with natural or mechanical ventilation.

Addendum h to 90.1-2019

Revise the Standard as follows (IP Units)

4.2 Compliance
   4.2.1 Compliance Paths
      4.2.1.1 New Buildings

      ... 

      \[
      \text{BPF} = \text{building performance factor from Table 4.2.1.1. For building area types not listed in Table 4.2.1.1 use "All others." Where a building has multiple building area types, the required BPF shall be equal to the area-weighted average of the building area types based on their gross floor area.}
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