INTERPRETATION IC 90.1-2007-20 OF
ANSI/ASHRAE/IESNA STANDARD 90.1-2007/2010
Energy Standard for Buildings Except Low-Rise Residential Buildings

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Request from: Marty Salzberg (msalzberg@cbbld.com), Cline Bettridge Bernstein Lighting Design, 116 E. 27th Street, 4th Floor, New York, NY 10016.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2007, Section 9.4.5, regarding facade lighting.

Background: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2007, Section 9.4.5, Exterior Building Lighting Power, that states "The total *exterior lighting power allowance* for all exterior building applications is the sum of the individual lighting power densities permitted in Table 9.4.5 for these applications plus an additional unrestricted allowance of 5% of that sum." This request references ASHRAE/IESNA Standard 90.1-2007 because ASHRAE/IES Standard 90.1-2010 has not yet been adopted in New York State, where my firm is located. This request seeks to clarify how the allowance is calculated and where the resulting allowance may be used. In the ASHRAE/IESNA Standard 90.1-2007, Table 9.4.5, the allowance for facade lighting is "0.20 watts/sf or 5 watts per linear foot for each illuminated wall or surface." Based on the 90.1 defined term *facade area.*

Interpretation No.1: The allowance for each facade may be calculated by applying the 0.2 watts per square foot value to the *facade area*, regardless of the distribution of illumination on that *facade area.*

Question No.1: Is this interpretation correct?

Answer No.1: Yes

Interpretation No.2: The unused portion of the allowance for each facade may not be traded to another facade.

Question No.2: Is this interpretation correct?

Answer No.2: Yes

Interpretation No.3: The two interpretations above may also be applied to Table 9.4.3B of ASHRAE /IES Standard 90.1-2010 using the appropriate allowance for each lighting Zone.

Question No.3: Is this interpretation correct?

Answer No.3: Yes