

GEW120-14

608.7

Proponent: Steven Rosenstock, Edison Electric Institute, representing Edison Electric Institute (srosenstock@eei.org)

Revise as follows:

608.7 Fuel gas and liquid fuel lighting systems. Fixtures that generate illumination by combustion of fuel gas or liquid fuel shall be included in lighting power calculations required under Sections C405.5 and C405.6 of the *International Energy Conservation Code* by converting the maximum rated Btu/h of the luminaire into watts using Equation 6-5.

Wattage Equivalent = Maximum btu/h rating of the fuel gas or liquid fuel lighting system/3.413.

Equation 6-5

Exception: Fuel gas or liquid fuel lighting at historic buildings in accordance with Section C101.4.2 of the *International Energy Conservation Code* is not included in the calculation.

Reason: The proposed changes will ensure that all of the energy used by any interior or exterior lighting fixtures, regardless of the type of energy used to create the light, will be accounted for in the lighting power calculations. This change closes a potential loophole where the energy used by any light fixture using a liquid fuel (such as kerosene) would not be accounted for.

This change will ensure that green buildings account for all of the energy being used by all lighting fixtures used in the building or on the building site.

Cost Impact: Will not increase the cost of construction.

Analysis: The International Energy Conservation Code sections C405.5 and C405.6 referenced in the text of this proposal are numbers for the 2012 Edition. Due to significant changes approved for the 2015 IECC, the section numbers for the 2015 Edition will be C405.4 and C405.5, respectively.

GEW120-14: 608.7-ROSENSTOCK504
