Minimum energy performance

EAp2 | Required

Intent

To establish the minimum level of energy efficiency for the tenant space systems to reduce environmental and economic impacts associated with excessive energy use.

Requirements

Projects that registered on or after April 8, 2016 are subject to the four point mandatory minimum, four points must also be earned in any of the four sub-sections of EA credit 1, Optimize Energy Performance.

Design portions of the building as covered by the tenant's scope of work to comply with ANSI/ASHRAE/IESNA Standard 90.1–2007 (with errata but without addenda[1]) and complete the following:

- Compliance with the mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4, and 10.4) of ANSI/ASHRAE/IESNA Standard 90.1–2007 (with errata but without addenda[1]). Projects outside the U.S. may use a USGBC approved equivalent standard [2].
- Achieve the prescriptive requirements (Sections 5.5 or 5.6, 6.5, 7.5 and 9.5 or 9.6) or performance requirements (Section 11) of ANSI/ASHRAE/IESNA Standard 90.1–2007 (with errata but without addenda[1]) or USGBC approved equivalent.
- Reduce connected lighting power density 10% below that allowed by ANSI/ASHRAE/IESNA Standard 90.1–2007 (with errata but without addenda[1]) or USGBC approved equivalent using either the Space-by-Space Method or by applying the whole building lighting power allowance to the entire tenant space.
- Install ENERGY STAR®–qualified equipment for 50% (by rated power) of ENERGY STAR–eligible equipment installed as part of the tenant's scope of work. This requirement includes appliances, office equipment, electronics, and commercial food service equipment. Equipment that meets the same requirements as ENERGY STAR qualified products but does not bear the ENERGY STAR label is acceptable. Projects outside the U.S. may use a local equivalent to ENERGY STAR. Excluded are heating, ventilating, and air-conditioning (HVAC), lighting, and building envelope products.

Projects in California may use Title 24–2005, Part 6, in place of ANSI/ASHRAE/IESNA Standard 90.1–2007.