



LEED ID+C: Retail | v3 - LEED 2009

Optimize energy performance - HVAC

EAC1.3 | Possible 10 points

Glossary

Intent

To achieve increasing levels of energy conservation beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

Requirements

Option 1

Implement 1 or both of the following strategies:

- Equipment Efficiency—(5 points)
Install heating, ventilation and air conditioning (HVAC) systems that comply with the efficiency requirements outlined in the New Building Institute's Advanced Buildings™ Core Performance™ Guide Sections 1.4: Mechanical System Design, 2.9: Mechanical Equipment Efficiency and 3.10: Variable Speed Control.
- Appropriate Zoning and Controls: (5 points)
Zone tenant fit out of spaces to meet the following requirements:
 - Every solar exposure must have a separate control zone.
 - Interior spaces must be separately zoned.
 - Private offices and special occupancies (conference rooms, kitchens, etc.) must have active controls capable of sensing space use and modulating the HVAC system in response to space demand.

OR

Option 2

Reduce design energy cost compared with the energy cost budget for regulated energy components described in the requirements of ANSI/ASHRAE/IESNA Standard 90.1-2007 (with errata but without addenda¹). Projects outside the U.S. may use a USGBC approved equivalent standard².

AND

Path 1 (5 points)

Demonstrate that HVAC system component performance criteria used for tenant space are 15% better than a system in minimum compliance with ANSI/ASHRAE/IESNA Standard 90.1-2007 (with errata but without addenda¹) or USGBC approved equivalent.

OR

Path 2 (10 points)

Demonstrate that HVAC system component performance criteria used for tenant space are 30% better than a system that is in minimum compliance with ANSI/ASHRAE/IESNA Standard 90.1-2007 (with errata but without addenda¹) or USGBC approved equivalent.