| v3 - LEED 2009

Performance measurement - system-level metering

EAc3.2 | Possible 2 points

Glossary

Intent

To provide accurate energy-use information to support energy management and identify opportunities for additional energy-saving improvements.

Requirements

Develop a breakdown of energy use in the building, either through EA Credits 2.1 and 2.2 or by using energy bills, spot metering or other metering to determine the energy consumption of major mechanical systems and other end-use applications. This analysis of major energy-use categories must have been conducted within 2 years prior to the date of application for LEED 2009 for Existing Buildings: Operations & Maintenance certification.

Based on the energy-use breakdown, employ system-level metering covering at least 40% or 80% of the total expected annual energy consumption of the building. Permanent metering and recording are required. All types of submetering are permitted.

Demonstrate that system-level metering is in place covering the percentage of total expected annual energy consumption of the building as outlined in the table below.

System Level Metering Requirements

Percentage of Total Annual Energy Consumption to be Metered	Number of Largest Energy Use Categories to be Covered by 80% or more	Points
40%	1 of 2	1
80%	2 of 3	2

Demonstrate that the number of the largest energy-use categories from the breakdown report outlined in the table are covered by at least 80% (i.e., if energy use in the 2 or 3 largest categories is each 100 Btus/year, at least 80 Btu/year in 1 or 2 of them must be metered).

Credit substitution available

You may use the LEED v4 version of this credit on v2009 projects. For more information check out this article.

Pilot Alternative Compliance Path Available

This credit has an alternative compliance path available for the use of ISO 50001: Energy Management Systems. For more information see Pilot ACP 86: LEED 2009 EBOM ACPs for ISO 50001.

LEED 2009 EBOM Supplement with ISO 50001 ACPs