



Performance measurement - enhanced metering

EAc5.2 | Possible 1 point

Intent

Demonstrate the ongoing accountability and optimization of building energy and water consumption performance over time and add incentives for additional energy reduction.

Requirements

Have in place over the performance period continuous metering for the following items: (Up to 3 points can be earned — one point is earned for each four actions implemented/maintained)

- Lighting systems and controls.
- Separate building electric meters that allow aggregation of all process electric loads (Process electric loads are defined in the LEED for Existing Buildings Reference Guide).
- Separate building natural gas meters that allow aggregation of all process natural gas loads (Process natural gas loads are defined in the LEED for Existing Buildings Reference Guide).
- Separate meters that allow aggregation of all indoor occupants' related water use for required fixtures.
- Separate meters that allow aggregation of all indoor process water use (Process water uses are defined in the LEED for Existing Buildings Reference Guide).
- Separate meters that allow aggregation of all outdoor irrigation water use.
- Chilled water system efficiency at variable loads (kW/ton) or cooling loads (for non-chilled water systems).
- Cooling load.
- Air and water economizer and heat recovery cycle operation.
- Boiler efficiencies.
- Building specific process energy systems and equipment efficiency.
- Constant and variable motor loads.
- Variable frequency drive (VFD) operation.
- Air distribution, static pressure and ventilation air volumes.

For each item metered, prepare, implement and maintain a program for using the data gathered to improve building performance over time.