



# LEED 2009 for Existing Buildings: Operations & Maintenance

## EA CREDIT 3.2 : PERFORMANCE MEASUREMENT

### SYSTEM-LEVEL METERING

*All fields and uploads are required unless otherwise noted.*

**This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.**

- ☐ The project building employs permanent system-level metering and data recording to provide accurate energy use information to support energy management and identify opportunities.
- ☐ Metering data is recorded on a continuous basis, electronically and automatically data-logged to allow for an analysis of time trends, and compiled into monthly and annual summaries.

Total number of system-level meters:

 Meters

Total number of system-level meters owned by a third party:

 Meters

Total number of meters owned by the project building owner, tenant, or property manager:

 Meters

**Upload L-5:** Upload a summary of the project building's energy use breakdown that analyzes the energy consumption of major mechanical systems and/or major end-use applications.

- ☐ The building energy use breakdown report demonstrates that system-level metering is in place covering at least  % of the total expected annual energy consumption of the building.

Select one of the following:

- ☐ The building energy use breakdown report demonstrates that at least one of the two largest energy-use categories or building systems is metered to an extent representing at least 80% of total annual energy consumption for that category or system.
- ☐ The building energy use breakdown report demonstrates that at least two of the three largest energy-use categories or building systems is metered to an extent representing at least 80% of total annual energy consumption for that category or system.

**Upload EAc3.2-1.** Upload documentation to describe the project building's system-level metering approach. The uploaded documentation must include, at a minimum, the elements identified below.

The uploaded documentation describing the project building's system-level metering approach includes, at a minimum, the elements listed below. (Please check the boxes below to confirm that each of these items are clearly delineated in the uploaded documentation.)

- ☐ The uploaded documentation contains a summary table listing the total annual energy consumption of the project building and associated grounds\*, the project building's energy sub-systems (or end uses), their anticipated annual energy consumption, their percentage of the total energy use, and the portion of each that is submetered.
- ☐ The uploaded documentation provides a date that energy analysis was conducted to confirm that the analysis occurred within two years prior to the date of application.
- ☐ The uploaded documentation confirms the basis used for the analysis (i.e. energy bills, spot metering, or other actual metered data.)
- ☐ The uploaded documentation provides a listing of each installed system-level energy meter. The listing includes information on each meter type, the location of each meter, the data logging process used, and the schedule and intervals for data logging and collection.

*The total annual site energy use should be consistent with (+/- 10%) data provided in the submittal form for EA Credit 1.*

Summarize how the metering results are used on an ongoing basis to identify energy savings opportunities.

**Upload EAc3.2-2.** Verify proper functioning of each of the meters owned by the project building owner, tenant, or property manager by uploading:

-A dated summary calibration report, performed and completed within the manufacturers recommended interval, as measured from the conclusion of the performance period (e.g., if the recommended calibration interval is five years, calibration must have occurred within five years of the end of the performance period).

## ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

**Upload EAc3.2-SC.** Provide any additional documentation that supports the claim to special circumstances. (Optional)

☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

SUMMARY

EA Credit 3.2 :Performance Measurement, System-Level Metering  
Points Documented: