



LEED 2009 for Existing Buildings: Operations & Maintenance

WE CREDIT 1: WATER PERFORMANCE MEASUREMENT

Project # 1000002893 Crawford House Office Building

All fields and uploads are required unless otherwise noted.

THRESHOLD ATTEMPTED

Points Attempted: 1 Whole Building Metering

ALL OPTIONS

Performance period start:

Performance period end:

Select one of the following:

- Option 1.** Whole building metering
- Option 2.** Whole building and subsystem metering

WHOLE BUILDING METERING

- The project building has a permanently-installed water meter or collection of water meters that measures the total potable water use for the entire building and associated grounds.

Total number of water meters: meters

- This number includes any subsystem water meters installed at the project building or associated grounds.

Of the total above :

Meters owned by a third party entity (utility, government, or similar): meters

Meters owned by the project building owner, tenant or property manager: meters

Upload WEc1-1. Provide a dated summary calibration report for each meter owned by the project building owner/tenant/project manager. Where manufacturers recommend replacement instead of calibration, provide proof of purchase date and describe the manufacturers' meter replacement program.

Upload

Files: 3

Note: The report must be 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).

Total measured water use for the entire building and associated grounds during the performance period:

6.46 kGal

Estimated annual water use for the entire building and associated grounds:

8.8 kGal

Note: The estimated annual water use value is extrapolated based on the total measured water use during the performance period. However, due mainly to seasonal variations, the project team may wish to do additional calculations to provide a more accurate estimated annual water use.

For each meter (and submeter, if the project team is pursuing WE Credit 1, Option 2), describe the following:

- Meter type & installed location
- Portions of water systems measured
- Meter data recording process including intervals and schedule

The project building installed a water flow meter that is hard-wired to a data logger on April 9, 2012. This water meter registers pulses per gallon of water flowing into the project building and is continuously recorded using the data logger. Both the water meter and data logger were purchased through a distributor, Onset Corporation. The water meter is a MinomessT-MINOL-130 manufactured by Minol USA. It is a pulse output water meter installed in the basement of the office building where the water line first enters the building. This meter measures the water use for the entire building, which would include all plumbing fixtures located in the restrooms (one sink faucet and one toilet in restroom first floor and one sink faucet and one toilet in restroom upstairs) and the breakroom plumbed fixture (one sink faucet). There are no other water systems to measure for the project building - no chiller systems or irrigation. The T-MINOL-130 is connected to a HOBO UX120 Series Data Logger which is physically located on the first floor in the main office. The data logger is set to automatically (electronically) record every hour; however, the data is summed to a daily usage after exporting to EXCEL, in order to get a total usage sum for the week. The LEED Project Administrator physically went to the project building once a month and downloaded data logger information using the HOBOWare software provided with the data logger. The hourly usage data was then exported into an EXCEL file and formulas

- Operations staff has performed continuous logging of meter readings, either through automatic electronic data logging or through manual recordings, at an interval of no less than 1 week or less for all meters.
- The project team has compiled monthly and annual summaries of the total water consumption for the project building and associated grounds (and any subsystem meters contributing to WE Credit 1, Option 2) during the performance period. (If the performance period is less than one year, the annual number may be projected.)

Select one of the following options:

- Upload WEc1-2.** Provide water use summary report(s) from the ENERGY STAR Portfolio Manager tool.
- Upload WEc1-3.** Provide a table generated from an internal data tracking program documenting the summaries declared above.
- Complete the Table. Total Water Consumption.

Upload

Files: 11

ADDITIONAL DETAILS

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

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

SUMMARY

WE Credit 1: Water Performance Measurement Points Documented:

1

WE Credit 1: Water Performance Measurement Exemplary Performance Documented:

N

The project team reserves one point in the Innovation in Operations credit category for exemplary performance in WE credit 1.