



LEED BD+C: Core and Shell | v3 - LEED 2009

Verified Construction & Demolition Recycling Rates

MRpc87 | Possible 1 point

Glossary

Intent

To achieve higher quality of construction and demolition waste diversion by encouraging a verification standard for recycling facilities that will accurately quantify waste data.

Requirements

Recycle and/or salvage nonhazardous construction and demolition materials by sending the project's total commingled waste materials to a mixed-recovery facility that has achieved third party verification of facility-average recycling rates. Project teams must meet the applicable diversion requirements of the following construction waste credit in the applicable LEED rating system for the project.

- [LEED 2009 BD+C rating systems New Construction, Core and Shell, Schools, Retail, Healthcare - MR credit Construction Waste Management](#)
- [LEED 2009 ID+C rating systems Commercial Interiors, Retail - MR credit Construction Waste Management](#)
- [LEED 2009 O+M rating systems Existing Buildings - Solid Waste Management - Facility Alterations and Additions](#)
- [LEED for Homes 2008 - MR credit Waste Management](#)
- [LEED v4 BD+C rating systems New Construction, Core and Shell, Schools, Retail, Healthcare, Hospitality, Warehouses and Distribution Centers, and Data Centers - MR Credit Construction and Demolition Waste Management](#)
- [LEED v4 ID+C rating systems Commercial Interiors, Retail, and Hospitality - MR Credit Construction and Demolition Waste Management](#)
- [LEED v4 O+M rating system Existing Buildings, Schools, Retail, Data Centers, Hospitality, and Warehouses and Distribution Centers - Solid Waste Management - Facility Maintenance and Renovation](#)

(Note that projects pursuing a reduced waste generated per area credit Option are not eligible for this pilot credit)

AND

Utilize a recycling facility that processes and recycles co-mingled (mixed) construction and demolition waste materials that has received third party certification of their recycling rates. Qualified third-party organizations who certify facility average recycling rates include these minimum program requirements:

- The certification organization follows guidelines for environmental claims and third-party oversight, including ISO/IEC Guide 65 or ISO 17065 and relevant portions of the ISO 14000 family of standards.
- The certification organization continuously monitors "certified" facilities to ensure that the facilities are operating legally and meeting the minimum program requirements for facility certification and recycling rates.
- Data submitted by the facilities to the certification organization in support of the recycling rate is audited. The audit includes, at a minimum: the evaluation of recyclables sales records, verification of facility sales into commodity markets, monitoring off-site movement of materials, and a review of the facilities' customers weight tags information.
- Facilities submit data to the certification organization that supports the recycling rate, such as a mass balance recycling rate (tons in/tons out) for a twelve month period, or quarterly sorts completed and verified by an independent third party entity.
- Breakdown of materials (by type and by weight), including analysis of supporting data relating to amounts (in tons) and types of materials received and processed at the facility.
- At a minimum, the third-party certifying organization conducts an on-site visit of the Facility for the first year certification, with subsequent site visits occurring at least once every two (2) years, unless additional visits are deemed necessary by the certification organization. The site visit will examine:
 - How materials enter, are measured, deposited, processed/sorted and exit facility,
 - Conduct interviews with key personnel,
 - Confirm equipment types and capacity,
 - Observe and verify load/materials sorting and accuracy,
 - Verify use and accuracy of scales including calibration frequency.
- Recycling rates shall adhere to these requirements:
 - Measurements must be based on weight (not volume), using scales.
 - Recycling rates must be available on a website and viewable by the general public.
- Facility recycling data submitted to certification program will be analyzed for recycling rates using a mass balance formula or quarterly sorts completed and verified by an independent third party entity.
- Final recycling rate will include overall facility recycling rate with and without ADC/Beneficial Reuse, and will include separate recycling rates by material type as well as combined average including wood derived fuel/bio-fuel separate from other waste to energy or incineration end-markets.

Presently, the Recycling Certification Institute's Certification Of Real Rates (CORR)

protocol meets the requirements of this Pilot Credit.

Submittals

General

REGISTER FOR THE PILOT CREDIT

- Participate in the [LEEDuser pilot credit forum](#)
- Complete the feedback survey:

CREDITS 1-14

CREDITS 15-27

CREDITS 28-42

CREDITS 43-56

CREDITS 57-67

CREDITS 68-82

CREDITS 83-103

Credit Specific

For all Rating Systems:

Project teams will submit the standard documentation for C&D credit in the applicable LEED rating system, but must also submit:

- Proof that the facility or facilities that received materials from the project was "certified" over the timeframe that waste was generated on the project and sent to the processing facility.
- Calculations that demonstrate that the required percentage of commingled construction waste is sent to a facility that has a current* third-party verified facility recycling rate.
 - *For the purposes of the credit "current" shall be defined as a facility in good standing with the certifying body at the time of project construction.
- Recycling rates applied to a project's waste generation must be the weighted average for the facility over the time in which the project sent materials to the facility. Time increments shall not be reported less than quarterly and no more than annually, and must use consistent time increments throughout calculations.