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

Responsible sourcing of raw materials

MRpc53 | Possible 1 point

Glossary

Intent

To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

Requirements

Option 1. raw material source and extraction reporting (1 point)

Use at least 20 different permanently installed products from at least five different manufacturers that have publicly released a report from their raw material suppliers which include raw material supplier extraction locations, a commitment to long-term ecologically responsible land use, a commitment to reducing environmental harms from extraction and/or manufacturing processes, and a commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria.

- Products sourced from manufacturers with self-declared reports are valued as one half (1/2) of a product for credit achievement.
- Third-party verified corporate sustainability reports (CSR) which include environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, are valued as one whole product for credit achievement calculation. Acceptable CSR frameworks include the following:
  - **Global Reporting Initiative (GRI) Sustainability Report**
  - **Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises**
  - **U.N. Global Compact:** Communication of Progress
  - **ISO 26000:** 2010 Guidance on Social Responsibility
  - **USGBC approved program:** Other USGBC approved programs meeting the CSR criteria.

OR

Option 2. leadership extraction practices (1 point)

Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project.

- Extended producer responsibility. Products purchased from a manufacturer (producer) that participates in an extended producer responsibility program or is directly responsible for extended producer responsibility. Products meeting extended producer responsibility criteria are valued at 50% of their cost for the purposes of credit achievement calculation.
- Bio-based materials. Bio-based products must meet the Sustainable Agriculture Network's Sustainable Agriculture Standard. Bio-based raw materials must be tested using ASTM Test Method D6866 and be legally harvested, as defined by the exporting and receiving country. Exclude hide products, such as leather and other animal skin material. Products meeting bio-based materials criteria are valued at 100% of their cost for the purposes of credit achievement calculation.
- Wood products. Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent. Products meeting wood products criteria are valued at 100% of their cost for the purposes of credit achievement calculation.
- Materials reuse. Reuse includes salvaged, refurbished, or reused products. Products meeting materials reuse criteria are valued at 100% of their cost for the purposes of credit achievement calculation.
- Recycled content. Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.
- USGBC approved program. Other USGBC approved programs meeting leadership extraction criteria.

For credit achievement calculation, products sourced (extracted, manufactured, and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost. For credit achievement calculation, the base contributing cost of individual products compliant with multiple responsible extraction criteria is not permitted to exceed 100% its total actual cost (before regional multipliers) and double counting of single product components compliant with multiple responsible extraction criteria is not permitted and in no case is a product permitted to contribute more than 200% of its total actual cost.

Structure and enclosure materials may not constitute more than 30% of the value of compliant building products.

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:

Submit a list of products purchased contributing toward credit and their corresponding raw material. List the cost and number of items purchased per contributing products and calculate the weighted value according to total weight of materials purchased. Provide documentation showing adherence to applicable disclosure requirements.

Additional questions:

1. The raw material sourcing disclosure reporting requirements does not specify a third party. However it is anticipated that in the near future Global Reporting Initiative (GRI) will be the only organization to support these reporting requirements. Were you able to purchase from manufacturers who source from raw material companies reporting to GRI? Were there other organizations meeting the reporting criteria? What were major challenges in finding compliant materials?
2. What manufacturers where you able to find utilizing mined and quarried materials sourcing companies utilizing the Framework for Responsible Mining? Who are the early adopters?

Changes:

- Changes as a result of 3rd Public Comment (3/1/2012):
  Raw material disclosure requirement was rolled into responsible extraction requirements.
  Bio-based redefined to define other materials besides wood.
  Labor practices and governance structure added to required publically available list for Other Extracted Materials.
  Weightings added to materials sourced domestically, regionally and locally.
  Recycled content and salvaged materials are not to be included in calculation.
  FSC – Pure requirement replaced with FSC Certified
- Changes as a result of 5th Public Comment (1/15/2013):
  Modified to align with Building product disclosure and optimization - sourcing of raw materials

Additional questions

1. Did your project use the actual or default materials cost to determine the total materials cost?
2. How did your team determine or estimate the actual materials cost? What method was used?
3. Where there any challenges in determining the total materials cost? What were they?
4. If applicable, how would using the actual materials cost verses the default materials cost have effected credit achievement?