

LEED BD+C: New Construction | v4 - LEED v4

Building Product Disclosure And Optimization – Environmental Product Declarations

Possible 2 points

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 from manufacturers who have verified improved environmental life-cycle impacts.

Requirements

Demonstrate reduced environmental effects during initial project decision-making by reusing existing building resources or demonstrating a reduction in materials use through life-cycle assessment. Achieve one of the following option.

Relevant section:

Option 2. Multi-attribute optimization (1 point)

Use products that comply with one of the criteria below for 50%, by cost, of the total value of permanently installed products in the project. Products will be valued as below.

- Third party certified products that demonstrate impact reduction below industry average in at least three of the following categories are valued at 100% of their cost for credit achievement calculations.
 - o global warming potential (greenhouse gases), in CO₂e;
 - o depletion of the stratospheric ozone layer, in kg CFC-11;
 - o acidification of land and water sources, in moles H⁺ or kg SO₂;
 - o eutrophication, in kg nitrogen or kg phosphate;
 - o formation of tropospheric ozone, in kg NO_x or kg ethene; and
 - o depletion of nonrenewable energy resources, in MJ.

For credit achievement calculation, products sourced (extracted, manufactured, purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost.