**LEED Regional Credit Calculation for Sheet Steel Building Products – Example**

(LEED Canada NC Version 1.0, Credit 5.1)

**Manufacturing Company:** Agway Metals Inc.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Product** | **Iron Ore Extraction Site** | **Distance From Extraction Site To Steel Mill****(km)** | **Mode Of Transportation** | **Manufacturing Location** | **Distance From Steel Mill To Manufacturing Location****(km)** | **Mode Of Transportation** | **Distance From Manufacturing Location To Project Site****(km)** | **Mode Of Transportation** |
| **Steel Deck** | Wabush, NL, Canada | 1440 | Ship/Rail | Brampton, ON | 100 | Truck |  | Truck |
| **Ste****el Cladding** | Wabush, NL, Canada | 1440 | Ship/Rail | Brampton, ON | 100 | Truck |  | Truck |
| *To be completed by the manufacturer* | *To be completed by the contractor* |

The extraction of the raw materials used in the manufacturing of steel potentially comes from a number of locations. Iron constitutes the majority of the raw material and combined with scrap steel, constitute over 99% of the finished steel by mass. Listed in the table above is the ore extraction site furthest from the Hamilton, Ontario steel mill location, and the mode of transportation. Steel scrap also constitutes a significant percentage of the iron in the steel production process, particularly in electric arc steelmaking. For the calculation of the regional credit, LEED has ruled that the extraction point for scrap is considered a being within the steel mill itself.

The second portion of the calculation needed to qualify for the Regional Credit is the distance from the sheet steel building product manufacturer to the project site. This calculation is dependent on the building location and is completed by the project contractor. The following URL leads to a convenient “distance calculator” that allows the easy computation of this distance. <http://www.daftlogic.com/projects-google-maps-distance-calculator.htm>