# Life-Cycle Assessment:

### Hempcrete Building

An assessment of the environmental impacts associated with all the stage's of the hempcrete building process

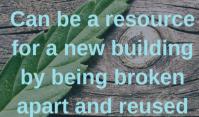
#### Raw Materials





- 1. Grown hemp absorbs CO2 as it grows
- 2. Binder dehydrated lime and Metakaolin some CO2 impacts
- 3. Water to bring them all together!

#### Disposal





NET CARBON BENEFICIAL

#### Distribution



If required have raw materials shipped to location as close as possible to be processed i.e., train, truck, or plane - CO2 emissions

## Use \_\_\_

- Creates renewable insulation
- Little to no money to upkeep
- Healthy air quality

### Processing \*



4 parts hemp hurd + 1 part lime binder + 1 part water

#### **Building Process**

- 1. Pack down the hempcrete in 4 to 6 inches layers
- 2. Let set between timber frames until solid
- 3. Can be applied to walls, floor, ceiling and windows as an excellent source of natural insulation

C) Seeds for Eco Communities