





## Living Building Challenge

### Site

- 01 **Responsible Site Selection**  
Must not build adjacent to sensitive ecological habitats
- 02 **Limits to Growth**  
Projects must be on Brownfield or greyfield sites
- 03 **Habitat Exchange**  
For each acre of development, an equal amount must be set aside for 100 years

### Energy

- 04 **Net Zero Energy**  
100% renewable energy supplied on-site

### Materials

- 05 **Materials Red List**  
The project cannot contain any of the following.
  - Cadmium
  - Chlorinated Polyethylene & Chlorosulfonated Polyethylene
  - Chlorofluorocarbons [CFC's]
  - Chloroprene [Neoprene]
  - Formaldehyde [Added]
  - Halogenated Flame Retardants
  - Hydrochlorofluorocarbons [HCFC's]
  - Lead
  - Mercury
  - Petrochemical Fertilizers & Pesticides
  - Phthalates
  - PVC
  - Wood treatments containing creosote, arsenic & Pentachlorophenol
- 06 **Construction Carbon Footprint**  
A one-time offset tied to the size and construction of the project
- 07 **Responsible Industry**  
FSC certified wood from salvaged, or intentional harvesting from site of construction
- 08 **Appropriate materials/Service radius**

7	Ideas	12,429.91 miles
6	Renewable Energy Technologies	9000 miles
5	Assemblies that actively contribute to building performance once installed	3000 miles
4	Consultant travel	1500 miles
3	Light, low density materials	1000 miles
2	Medium weight & density materials	500 miles
1	heavy. high density materials	250 miles
- 09 **Leadership in Construction Waste**  
Waste must be diverted from landfills

### Water

- 10 **Net Zero Water**  
100% of building water use from on-site closed loop system
- 11 **Sustainable Water Discharge**  
100% of storm water managed on-site

### Indoor Quality

- 12 **A Civilised Environment**  
Operable windows to provide fresh air & daylight
- 13 **Healthy Air:Source Control**
  - Dirt track-in systems
  - Separately ventilated spaces
  - Interior finishes must comply to SCAQMD 2007/2008 standards
- 14 **Healthy Air: Ventilation**  
Designed to deliver air change rates in compliance with California Title 24 requirements

### Beauty & Spirit

- 15 **Beauty & Spirit**  
Design features solely for human delight, and the celebration of the function
- 16 **Inspiration & Education**  
Educational material & interaction must be supplied, and facilitate direct contact with a living building