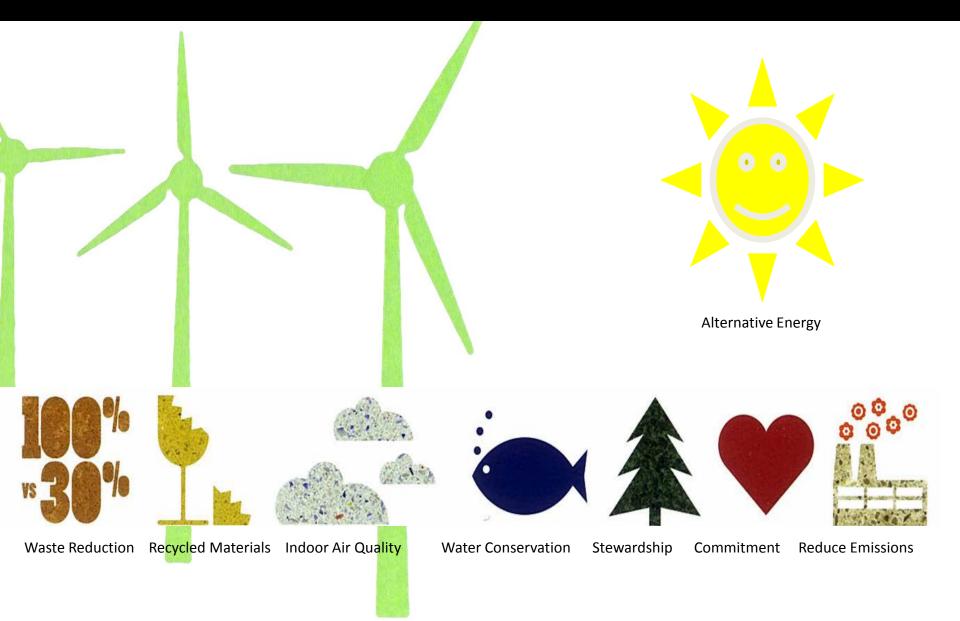
## **GREEN** sustainability strategies



#### sustainability strategies: GREEN **Site Overview**

MANAGE ON-SITE WATER: Limit stormwater runoff. control and harvest rainwater.

LIMIT LIGHT POLEUTION:

Use dark sky compliant fixtures, reduce lighting bower and limit duration of operation.

#### **REDUCE HEAT ISLAND EFFECT**

Use cool roof technologies and/or install green roofs. Use pervious paving and provide shade where possible.

**DEVELOP AN APPROPRIATE SITE** Choose a site in high density areas with access to existing infrastructure.

PROTECT OPEN HABITAT: -Limit site disturbance, protect open space and plan for protected areas.

Vegetation

**USE PUBLIC TRANSPORTATION:** Provide easy access to mass transit.

Ideas to keep in mind for your designs.

• Site design and Management

 Stormwater management

PRACTICE GOOD SITE STEWARDSHIP: Use erosion and sediment control strategies during construction activities.

**ENCOURAGE CONNECTIVITY:** 

Provide pedestrian access to

services and public space.

PROMOTE ALTERNATE **TRANSPORTATION: Encourage** car/ vanpools, offer preferred parking for fuel efficient vehicles and plan for bicycle accessibility.



# GREEN

### sustainability strategies: Materials & Resources



Ideas to keep in mind for your designs.

•Selection of sustainable materials (life-cycle impacts)

Waste management

#### sustainability strategies: GREEN **Energy & Atmosphere**

**GENERATE ON-SITE RENEWABLE ENERGY:** Use photovoltaics, solar thermal, wind, and geothermal energy.

> **MEASURE AND VERIFY** SYSTEMS: Monitor energy system performance to make improvements over time.

PURCHASE OFF-SITE

**RENEWABLE ENERGY:** 

Buy energy for building

certified power provider.

use from a Green-e

**BUILD AND OPERATE AS DESIGNED:** Verify through commissioning that systems are installed and perform according to design intent.

Ideas to keep in mind for your designs.

• Energy demand

• Energy efficiency

Renewable energy

 Ongoing energy performance

CONSIDER ORIENTATION:

Orient building on east-west axis, minImize east-west glazing, and shade southern glazing to maximize passive solor heat gain, natural ventilation and daylighting.

BZ

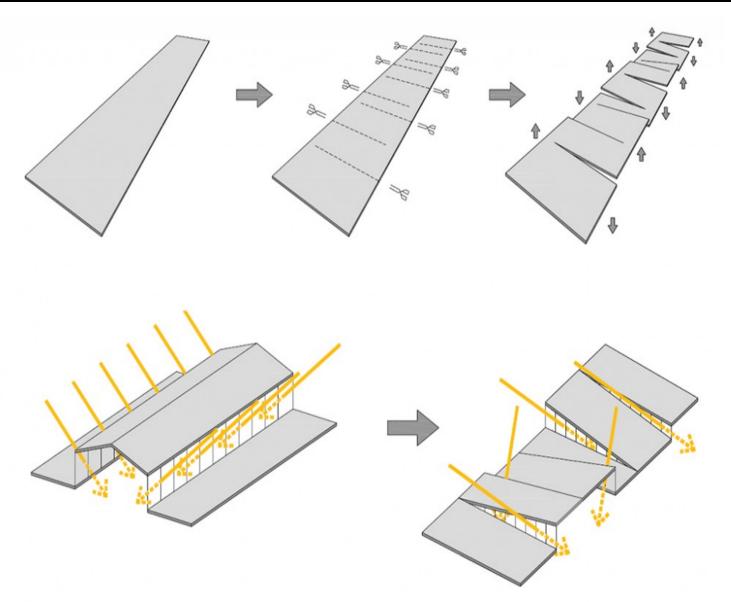
**BE ENERGY EFFICIENT:** Use energy efficient building envelope, comfort systems, lighting and equipment.

**REDUCE ENERGY DEMAND:** 

Green-e Certificate

Use natural lighting, reduce plug loads and shift energy use to off-peak periods.

# **GREEN** Sustainability Strategies:



The roof is divided into several smaller roof surfaces, which have split levels so as to create transitive areas, penetrated by sunlight, which lights up the marketplace during the day. The pointed interspaces, allow the market to enjoy natural lighting.