













## "Green" and "Sustainable"

· 'Sustainable building' refers more precisely to the goal of designing and constructing buildings that have no net impact on the environment, such that a total built environment composed of similar buildings could co-exist with the world's ecological balance indefinitely.



# Sustainability is HARD

- Global consensus but unknowns exist:
  - the extent of the damage caused by our actions
  - the length of time the world will support our society
  - the most equitable relationship between peoples
  - the acceptable balance between present and future
  - we don't know what a sustainable society will be like
- to be effective, solutions must address these unknowns





#### "Green" Characteristics

- Grows out of common practice . . .
  - builds on, innovates, revolutionizes, etc.
- · Improvement is measurable
- · Improvement is significant
  - understanding of end goals
- · Group learning part of the process
- · Awareness of both success and failure
  - esp. that is openly acknowledged







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## Partial List of Green Issues

- Land Use
- · Social Transformation
- · Global Ecological Impact
- Design and Delivery Process
- Durability
- Energy Efficiency
- · Materials and Resource Efficiency
- Indoor Environmental Quality
- Water Management
- Affordability
- · Community Development





# "Core" Green Building Issues

- Land Use

- Design and Delivery Process
- Durability
- Energy Efficiency
- · Materials and Resource Efficiency
- · Indoor Environmental Quality
- Water Management
- Affordability

















