



THE AMERICAN INSTITUTE OF ARCHITECTS

SUSTAINABILITY CHECKLIST FOR ARCHITECTS

SITE DESIGN AND SELECTION

- Select site near transit, daily shopping needs and work.
- Select infill site – reduce sprawl
- Restore sites natural system functions
- Design for bioclimatic conditions – passive comfort controls

- Provide Appropriate Thermal Conditions
- Provide Effective Lighting
- Provide Appropriate Building Acoustical and Vibration Conditions
- Provide Views, Viewspace, and Connection to Natural Environment

WATER

- Conserve and reuse stormwater
- Reduce potable water consumption for non potable uses
- Reduce off-site treatment of wastewater.
- Use Gray Water Systems
- Conserve Building Water Consumption

MATERIALS

- Minimize consumption and depletion of material resources.
- Minimize the life-cycle impact of materials on the environment.
- Minimize the impact of materials on indoor environmental quality.
- Use Materials with Low Environmental Impact During Their Life Cycle Production
- Use Salvaged and Remanufactured Materials
- Use Recycled Content Products and Materials
- Use Materials from Renewable Sources Distribution
- Use Locally Manufactured Materials Installation
- Use Low VOC-emitting Materials
- Use Durable Materials

ENERGY

- Use alternative energies and appropriate technologies
- Reduce all energy loads
- Optimize Building Placement and Configuration for passive energy use
- Optimize Building Envelope Thermal Performance
- Provide Daylighting – all rooms lighting during daylight
- Design Efficient Systems
- Use Efficient Electric Lighting Systems and Controls
- Maximize Mechanical Systems Performance
- Use Efficient Equipment and Appliances
- Use Renewable or Other Alternative Energy Sources
- Simulate Total Building Energy Use
- Integrate All Systems and Reduce Total Energy Use

WASTE

- In view of these environmental concerns, sustainable design embodies the following goals:
- Minimize use of resources.
- Minimize waste generated from construction, renovation and demolition of buildings.
- Minimize waste generated during building occupancy.
- Encourage better management of waste.
- Reuse Existing Buildings
- Design for Less Material Use
- Design Building for Adaptability
- Design Building for Disassembly

IAQ

- Minimize production and transmission of air pollution.
- Zone manage controls to maximize personal comforts
- Control Moisture to Prevent Microbial Contamination
- Provide Ample Ventilation for Pollutant Control and Thermal Comfort