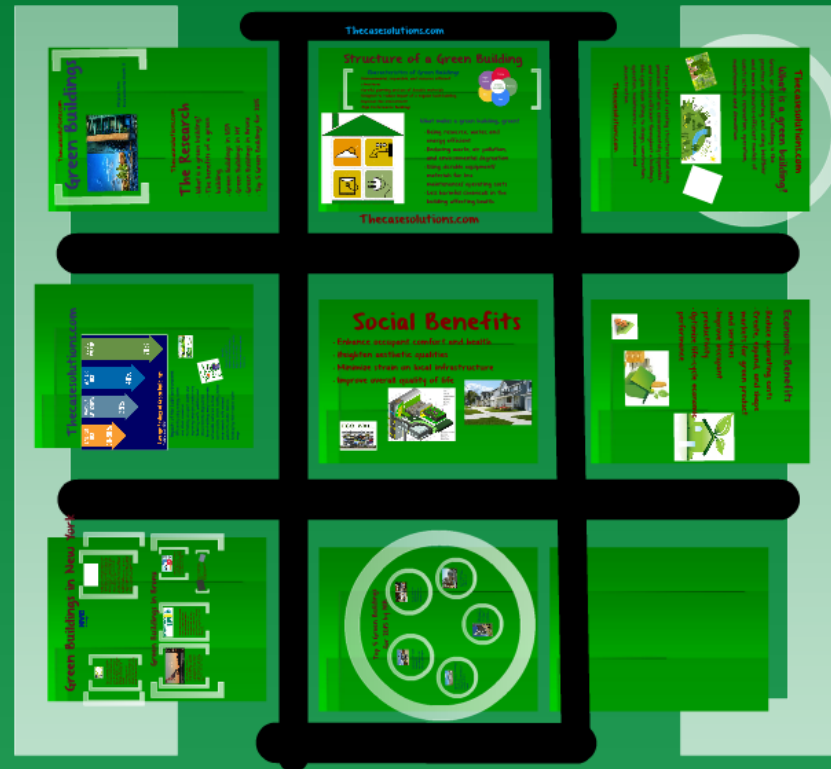


# Jieliang Phone Home! (A)

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# Green Buildings



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# The Research

- What is a green building?
- The benefits of a green building
- Green Buildings in USA
- Green Buildings in NY
- Green Buildings in Bronx
- Top 5 Green Buildings for 2015

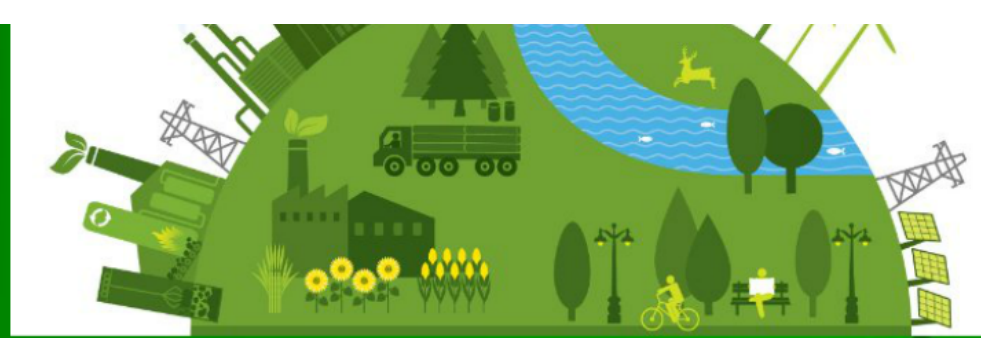
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## What is a green building?

Green, or sustainable, building is the practice of creating and using healthier and more resource-efficient models of construction, renovation, operation, maintenance and demolition



The practice of creating structures and using processes that are environmentally responsible



The practice of creating structures and using processes that are environmentally responsible and resource-efficient throughout a building's life-cycle from siting to design, construction, operation, maintenance, renovation and deconstruction.

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# Structure of a Green Building

## Characteristics of Green Buildings

- Environmental, responsible, and resource efficient structures
- Careful planning and use of durable materials
- Designed to reduce impact of a regular built-building
- Improves the environment
- High Performance Buildings



What makes a green building, green?

- Being resource, water, and





structures

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## What makes a green building, green?

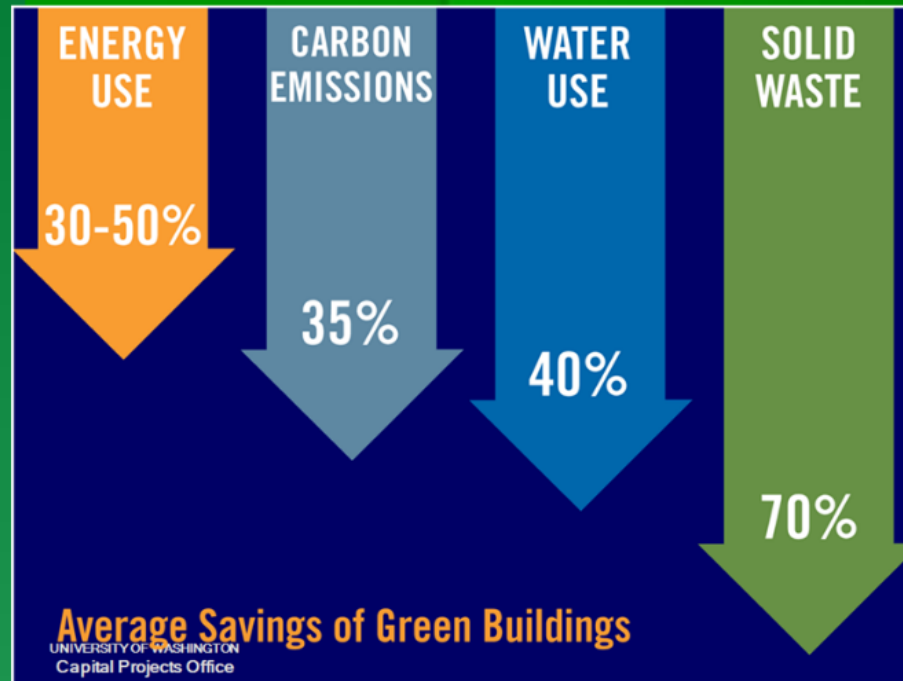
- Being resource, water, and energy efficient
- Reducing waste, air pollution, and environmental degradation
- Using durable equipment/ materials for less maintenance/ operating costs
- Less harmful chemicals in the building affecting health



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## Impacts of the built environment:

- Efficiently using energy, water, and other resources
- Protecting occupant health and improving employee productivity
- Reducing waste, pollution and environmental degradation
- Green buildings may incorporate sustainable materials in their construction; create healthy indoor environments with minimal pollutants, and/or feature landscaping that reduces water usage.



## Benefits:

- Enhance and protect biodiversity and ecosystems
- Improve air and water quality
- Reduce waste streams
- Conserve and restore natural resources