Green Building Initiatives & Green Infrastructure

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What is Green Building?

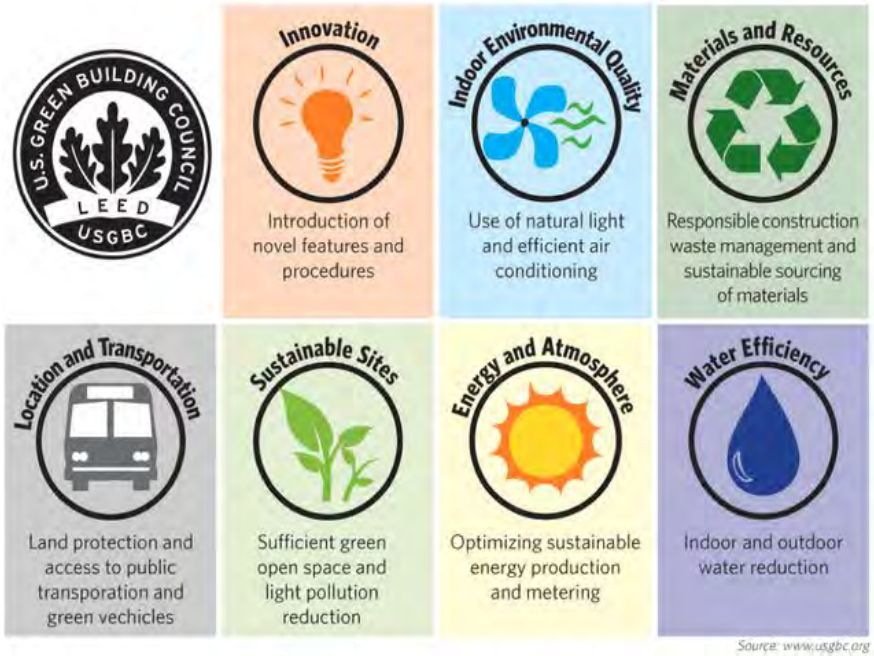
Green building refers to practices that reduce a building’s negative impact. This includes features in the building's design and practices during its construction, operation, and maintenance.

What is Green Infrastructure (GI)?

Green Infrastructure encompasses a broad range of practices that replicate natural ecosystems. This is an attempt to reduce environmental impacts of the built environment.

What are the criteria we were looking for?

- Energy efficiency
- Water efficiency
- Waste reduction
- Stormwater management
- Ethical materials and resources



Green Building Initiatives at Montclair State University

- Memorandum of Understanding (MOU) with the Environmental Protection Agency (EPA) in 2009
- New Resource Usage Dashboard https://alc.buildingos.com/s/montclair/storyboard6183/?chapterId=36483
- PSEG Institute for Sustainability Studies (PSEG ISS)
- Clean Energy and Sustainability Analytic Center (CESAC)
- New Jersey Center for Water Science and Technology (NJCWST)

Montclair State University
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Why Green Building?

- There is a need for emission and pollution reduction.
  - According to the U.S. Energy Information Administration, commercial and residential buildings account for almost 40% of the total energy consumption in the United States.

- Allowing for significant improvements to be made through green building and infrastructure to reduce impacts on the climate and natural environment.

Our Project

- The objective of this project is to utilize ArcGIS StoryMaps to display green building initiatives and green infrastructure on the Montclair State University campus.
- This project will enable MSU students to have a better understanding of how sustainable practices are incorporated into the built and natural environment.
- There is a potential to enrich MSU student's knowledge on green building and its usefulness for the future of sustainable development.

Story Map