

Policy in place for ensuring building standards

Objective

The average lifespan of any new building is about 50 years, so it is important to adopt an energy efficiency standards in order to avoid locking in decades of inefficient building performance. The main objective of this policy is to ensure all renovations/new builds are following energy/water efficiency standards.

BUC Policy

BUC has a policy for all renovations/new builds are following energy/water efficiency standards. The policy include the following main items:

- Set up a committee from school of Engineering to explore any defects in existing buildings to be avoided in new buildings.
- Developed an energy audit methodology for the Campus existing and new buildings to determine energy-efficient and cost-effective measures.
- Cooperate with different stakeholders (nationally and globally) on water/energy security.
- Attract external funding to support students in green building research.
- Provide labs that encourage research in green buildings.
- Having an undergraduate programs that focus on green buildings.
- Ensure that all students understand the concept of green buildings through curricular or extracurricular activities, such as workshops and student activities.
- Using energy-saving devices/tools, such as LED lamps.
- Employ a green building rating system like LEED for existing buildings.
- Rising public awareness toward the importance of efficient use of energy in buildings.



- Provide training to staff in each building in the techniques for efficient use of water and energy in buildings.
- Distribute labels in each building to encourage saving water and energy.
- Using transparent windows with large dimensions to reduce energy consumption by letting natural light in.
- Reducing cooling and heating loads through using natural ventilation.
- Install water and lighting sensors.
- Using renewable energy in generation and lightening.
- Keep the gray water separate from black water.