7.2 University measures towards affordable and clean energy

7.2.1 - CU as a body have a policy in place for ensuring all renovations / new builds are following energy efficiency standards.

Cairo University integrates **energy efficiency measures** into its infrastructure projects (solar panels, LEDs, smart systems), as follows:

1- Cairo University Sustainability Report 2023: 1st evidence

- **Page 22–23**: Mentions the "rationalization of energy consumption" programme implemented across university facilities, including upgrading lighting networks to LED and introducing automatic control systems to reduce energy waste.
- "Energy consumption rationalization programs have been implemented in the university buildings and facilities… replacing old lamps with energy-saving LED lamps."
- **Page 25:** Notes that the university is "installing solar cells on all university buildings" and "preparing technical studies to generalize solar energy use in new facilities."
- "The university plans to install solar cells in all its buildings… and extend the use of renewable energy to newly constructed facilities."
- **Page 26–27:** References modernization of infrastructure and sustainable campus development including new water, lighting, and electricity systems designed for efficiency, but without specifying which energy efficiency standards are applied.
- "Sustainable infrastructure development includes upgrading water and lighting networks and improving building systems to achieve energy efficiency."
- **Page 61–62:** Under "Sustainable Development Goals Achievements," Cairo University lists progress toward SDG 7 (Affordable and Clean Energy) — highlighting renewable energy and efficient energy use as university goals.

"Cairo University contributes to SDG 7 through the expansion of renewable energy and programs for energy efficiency and conservation."

2- In **the national Supreme Council of Universities meeting** at Cairo University where they discussed promoting energy conservation and renewable energy in universities. The meeting "approved a report on implementing and promoting energy-conservation measures in universities" and called for e.g., reviewing procurement to ensure energy-efficient equipment, upgrading lighting networks, installing sensors, etc. 2nd evidence

3- Faculty of Engineering — Experimental Station Solar Power System: a pilot / research project, land allocation for extension (Sheikh Zayed), and applied solar R&D. This shows Faculty-level investment in on-site generation and applied renewable projects.3rd evidenece

4- Faculty of Engineering — **Energy Research Center (ERC)**: long-running centre for energy management, training and measurement equipment (power-saver trainers, energy management systems) supporting energy-efficiency research and applied training. 4th evidence

5- National / inter-university initiative — **SCU Energy Efficiency Project**: a coordinated programme showing universities (including Cairo U.) are part of a national push and donor-backed energy-efficiency projects across Egyptian public universities (monitoring & management consultants, retrofit projects). This indicates institutional momentum though it is not a single CU policy document naming building standards. 5th. Evidence

Serial	Year	Link
1	2023-2024	chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cu.edu.eg/userfiles/Sustainability%20report%202023.pdf
2	2024	https://scu.eg/en/news/39104/?utm_source
3	permanent	https://eng.cu.edu.eg/en/experimental-station-solar-power-system/?utm_source
4	Current	https://scu-eeproject.org/?utm_source