



Cyprus International University
Energy Efficiency Policy

Version	Approved by	Date	Update Date
v.2	CIU Executive Board	29.12.2020	15 Jan. 2023

Cyprus International University is dedicated to fostering a sustainable and environmentally responsible campus. To support this commitment, we have established a comprehensive policy ensuring that all new construction and existing buildings adhere to rigorous energy efficiency standards.

Policy Guidelines

1. Adherence to Standards:

- All new construction and renovation projects for existing buildings must comply with recognized energy efficiency standards, including but not limited to:
 - **LEED (Leadership in Energy and Environmental Design):** Certification levels from Certified to Platinum, based on performance in energy efficiency, water usage, indoor environmental quality, and sustainable site development.
 - **BREEAM (Building Research Establishment Environmental Assessment Method):** A standard for assessing sustainability across building projects, focusing on energy performance, resource management, and environmental impact.
 - **ASHRAE Standards (American Society of Heating, Refrigerating, and Air-Conditioning Engineers):** Compliance with ASHRAE 90.1, which sets minimum energy efficiency requirements for buildings.
 - **Energy Star Certification:** For buildings that meet strict energy performance criteria, promoting energy-efficient practices and technologies.
 - **National Green Building Standard (NGBS):** This standard encourages the construction and renovation of buildings that promote energy efficiency and sustainability.

2. Energy Audits and Assessments:

- Before any renovations or new construction, a detailed energy audit will be conducted for existing buildings to evaluate current energy use and identify areas for improvement. This assessment will include:
 - Analysis of existing energy consumption patterns.
 - Recommendations for energy-efficient upgrades.
 - Consider renewable energy options, such as solar or wind, to enhance energy performance.

3. Sustainable Design Practices:

- All projects—whether for new buildings or renovations of existing structures—will incorporate sustainable design principles, including:
 - **Energy-efficient systems:** High-efficiency HVAC, LED lighting, and plumbing systems should be used in new and existing buildings.
 - **Building envelope improvements:** Enhancements to insulation (meeting or exceeding R-values specified in local codes), windows (using Energy Star-rated windows), and doors to minimize heat loss or gain.
 - **Water conservation measures:** Implement low-flow fixtures, greywater recycling systems, and rainwater harvesting systems throughout all buildings.

- **Use of sustainable materials:** To reduce environmental impact, prefer locally sourced, recycled, or sustainably harvested materials, including those certified by organizations like the Forest Stewardship Council (FSC).
4. **Integrated Planning:**
- Energy efficiency will be a key consideration throughout the lifecycle of all projects, with collaboration among architects, engineers, contractors, and relevant stakeholders. This includes:
 - Early integration of energy modeling and simulations during the design phase of new buildings and significant renovations to predict and optimize energy performance.
 - Regular design reviews for ongoing renovations to ensure compliance with energy efficiency goals, incorporating tools such as the Integrated Design Process (IDP).
5. **Continuous Monitoring and Evaluation:**
- After project completion, new and existing buildings will be equipped with monitoring systems to track energy usage and performance. This includes:
 - Installation of smart meters and building management systems (BMS) for real-time energy monitoring.
 - Regular performance evaluations to ensure systems operate at optimal efficiency.
 - Annual reports on energy performance metrics to inform future projects and strategies.
6. **Education and Training:**
- Ongoing education and training programs will be provided for staff, contractors, and stakeholders involved in renovating and constructing new and existing buildings. This will cover:
 - Best practices in energy efficiency and sustainability.
 - Updates on new technologies and materials in energy-efficient construction.
 - Workshops on operational strategies to maintain energy-efficient building performance.
7. **Community Engagement:**
- We will actively engage students, faculty, and staff in discussions around energy efficiency initiatives. This includes:
 - Hosting informational sessions and workshops to raise awareness about energy-saving practices across the campus.
 - Involving students in project planning and feedback processes to cultivate a culture of sustainability.
 - Encouraging student-led sustainability initiatives and projects that align with energy efficiency goals.

Implementation and Review

- **Oversight Committee:** An Energy Efficiency Oversight Committee will monitor compliance with this policy, provide guidance on best practices, and evaluate project outcomes.

- **Policy Review:** This policy will be reviewed and updated every [insert time frame, e.g., two years] to incorporate new technologies, feedback from the campus community, and changes in sustainability standards.

By adhering to these guidelines, CIU is committed to ensuring that all new buildings and renovations of existing structures significantly contribute to a sustainable future. We aim to enhance our campus environment while reducing our overall energy consumption and carbon footprint, leading by example in promoting energy efficiency and environmental stewardship.