

SUSTAINABLE DEVELOPMENT GOALS



7.2.1 Have a policy in place for ensuring all renovations or new builds are following energy efficiency standards?

Yes, the University of Business and Technology (UBT) has an approved Energy-Efficiency Policy (UC.02.01) that ensures all new construction, retrofits, and major renovations comply with national and international energy standards, including ISO 50001 Energy Management Principles and the Saudi Energy Efficiency Program.

This policy governs energy use across all UBT facilities and mandates smart-building design, LED lighting in common areas, efficient HVAC systems with automated controls, and continuous monitoring through Building Management Systems (BMS). It supports Vision 2030 objectives by promoting sustainable operations, reducing electricity and water consumption, and cutting CO₂ emissions.

The policy's framework follows a continuous improvement cycle of Reduce then Retrofit then Renew and lastly Review, ensuring UBT's infrastructure upgrades remain aligned with best practices for efficiency, cost reduction, and environmental stewardship.

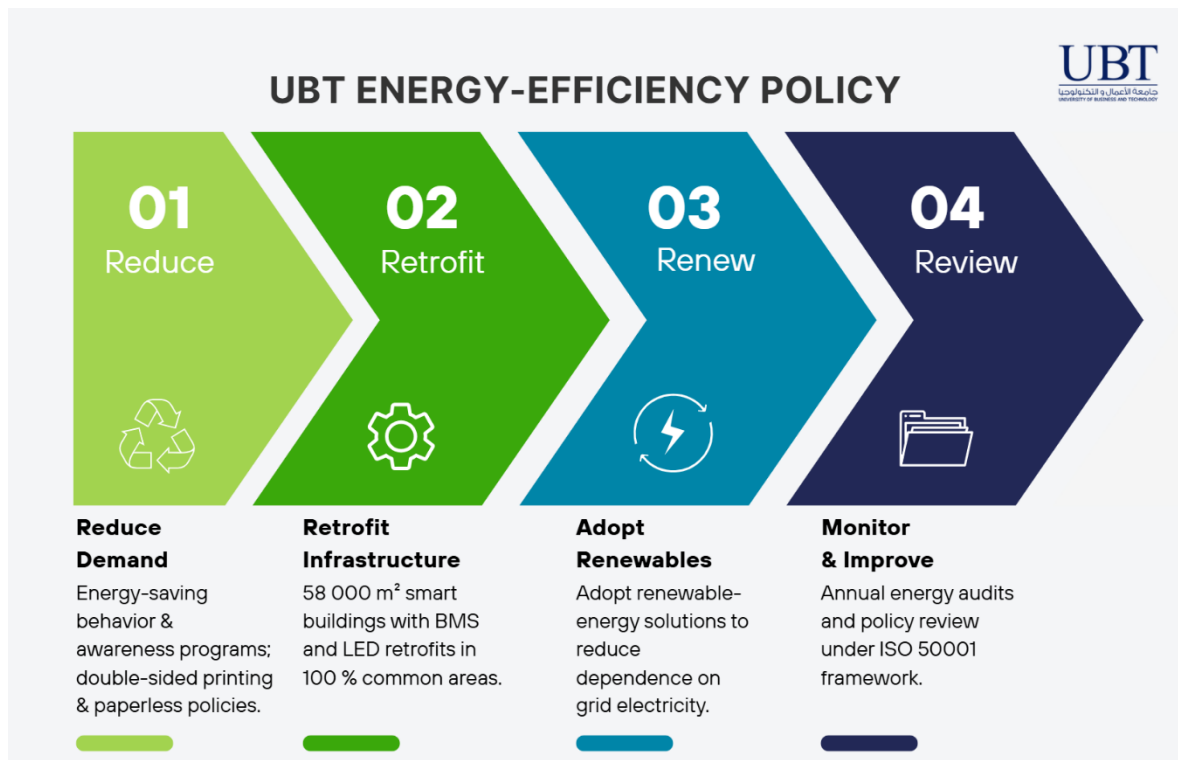
UBT's implementation of this policy has already resulted in the retrofit of 58,000 m² of smart buildings (50 % of campus area) and 100 % LED lighting coverage in shared spaces, contributing to measurable energy savings and reduced carbon impact.

Figure 7.2.1 A — UBT Energy-Efficiency Policy Framework

The infographic illustrates UBT’s four-stage energy-efficiency process designed to ensure that all new constructions and renovations follow international sustainability standards:

1. **Reduce** – Minimize energy demand through awareness campaigns, behaviour-change initiatives, and digital, paper-free policies.
2. **Retrofit** – Upgrade campus infrastructure with Building Management Systems (BMS) and install LED lighting in 100 % of common areas, covering 58 000 m² of smart buildings.
3. **Renew** – Adopt renewable-energy solutions to reduce dependence on grid electricity and lower carbon intensity.
4. **Review** – Conduct annual energy audits and policy reviews under the ISO 50001 framework to drive continual improvement.

The figure also highlights UBT’s total campus area of approximately 115 000 m², with 58 000 m² classified as smart, demonstrating the university’s commitment to sustainable campus management and measurable energy performance.



Supporting Institutional Evidence

To substantiate implementation of this standard, the following policy document is attached in full. It defines UBT's governance, principles, and scope for ensuring all new constructions and retrofits meet energy-efficiency requirements.

Energy Policy UC.02.01 (Version 1.0 — Approved 17 September 2024)

- Outlines responsibilities, indicators, and evaluation measures for energy management.
- Mandates ISO 50001 compliance and preventive maintenance to optimize energy performance.
- Integrates awareness, research, and training components to build long-term institutional capacity.

The policy was officially approved by the **UBT University Council** (President: Dr. Weam Tunsi) and remains valid until September 2027.

Energy Policy

Policy Code:	UC.02.01
Policy Version No:	Ver. 1.0
Approval Date:	17/9/2024
Implementation Date:	17/9/2024
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Policy Owner:	UBT Company

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1. Purpose

Referring to the Kingdom vision 2030, the kingdom is emphasizing on improving sustainability, reducing overconsumption of water, electricity and gasoline, reducing carbon emissions, and promoting the sourcing of more sustainable energy, by ensuring that its energy policies comply with the National Renewable Energy Program (NREP) and the Saudi Energy Efficiency Program. This shall reduce the amount of pollution caused by its energy consumption, particularly CO2 emissions.

2. Scope

The scope of this policy covers the following:

1. Foster the culture of clean energy at the university.

2. Reduce the waste of energy from its buildings to the minimum practical level.
3. Develop preventative maintenance programs to maintain and optimize the energy efficiency of the buildings.
4. Adhere to the international standards for energy management, such as ISO:50001.
5. contribute to the achievements of the UN-SDGs

3. Definitions & Acronyms

3.1 Definitions

Term	Definition
Clean energy	is the energy generated from renewable with zero emission sources that do not pollute the environment when used.
Energy efficiency	refers to using less energy to perform the same task, thus eliminating energy waste.

3.2 Acronyms

Term	Definition

4. Policy Principles & Statement

1. Energy management:

- Support the purchase of energy-efficient products.
- Prevent high energy consumption by managing UBT activities and services.
- Introduce energy-efficient solutions to old and new buildings, such as,

Implementation of building management system to control and monitor HVAC system, lights, motion detection sensors, and replacing HVAC equipment with more energy-efficient options.

- Perform effective and regular and preventive maintenance.
- Monitor the energy usage at the university to determine the actual energy consumption and thus set up programs accordingly.

2. Education, research, and knowledge transfer:

- Encourage innovative and creative research projects on renewable energy and energy efficiency using new technologies.
- Introduce energy efficiency topics in some of the courses at the undergraduate and graduate programs.
- Set Extra-curriculum activities related to energy improvements and innovation.
- Collaborate with the industry on internship, COOP programs and research projects in the field of energy conversion and storage.

3. UBT Community and Awareness:

- Raise the awareness of UBT community of the need to conserve energy, through campaigns, activities, seminars and best practices.
- Train UBT community to conserve energy and to use it efficiently.
- Encourage good housekeeping practices (lights off, HVAC,).
- Encourage community service activities in the field of energy conversion and energy storage.

3. The Policy, accountability and evaluation

- UBT shall develop indicators and measures of success in the implementation of this policy.
- An Energy Committee formed by the president shall provide an annual report to the university council on the process toward the established indicators and measure of the Energy Policy.

4. Related Documents

This includes the following: (in hierarchical order), legislation, policies, other procedures and standards, guidelines, forms and other useful resources.

Document No.	Document Name	Document Type	Location

5. Version Control & Revision History

Version control	Date released	Approved by	Summary of changes

6. Approvals

University Council	Chair Name	Signature	Date
1/4/8	Dr. Weam Tunsi		17/9/2024