AZERBAIJAN TECHNICAL UNIVERSITY

Energy Efficiency and Clean Energy Policy

Document type	Policy
Scope (applies to)	All staff and students
Issued	2023
Last revision date	2026
Review Cycle	Every 2 years
Version	v3.0
Approval Authority	University Council
Document owner	Sustainability Office
Status	Approved and Published

CONTENTS

1. CONTEXT AND PURPOSE....4
1.1. Legislative and Strategic Context....4
2. KEY TERMS AND DEFINITIONS....4
3. APPLICABILITY....5
4. GOVERNANCE....5
5. ENERGY EFFICIENCY AND CLEAN ENERGY PRINCIPLES, RISK AREAS, AND INSTITUTIONAL STANDARDS....6
5.1. Energy Efficiency and Lawful Compliance....6
5.2. High-Energy-Use Institutional Areas....6
5.3. Energy Procurement and Asset Management....6
5.4. Clean and Renewable Energy Integration....6
5.5. Operational Responsibility and Behavioural Efficiency....6
5.6. Reporting, Transparency, and Institutional Protection....7
6. IMPLEMENTATION....7
7. MONITORING AND PERFORMANCE INDICATORS....7
8. POLICY EVOLUTION....7

1. CONTEXT AND PURPOSE

Energy efficiency and the transition to clean energy are strategic priorities for public institutions in the Republic of Azerbaijan. As a state technical university, Azerbaijan Technical University (hereinafter "AzTU") operates within a national and international framework that promotes sustainable resource use, energy security, and environmental responsibility.

AzTU recognises that energy consumption represents both an operational cost and an environmental impact. Energy-related risks may arise through building operations, laboratories, ICT systems, procurement of equipment, infrastructure development, and campus services. The purpose of this Energy Efficiency and Clean Energy Policy (hereinafter the "Policy") is to establish a clear institutional framework that:

- promotes systematic reduction of energy consumption;
- supports the integration of clean and renewable energy sources;
- embeds energy performance considerations into institutional decision-making; and
- ensures compliance with applicable legal, regulatory, and public-sector obligations.

This Policy sets out principles, governance responsibilities, and institutional standards for managing energy performance at AzTU. It applies across academic and administrative functions and complements other sustainability, climate, facilities, and financial governance instruments. Detailed technical procedures and project-level measures are governed through supporting regulations and operational plans.

1.1. Legislative and Strategic Context

This Policy is developed in alignment with:

- the Constitution of the Republic of Azerbaijan;
- national legislation and state programmes related to energy efficiency and renewable energy, including the Law of the Republic of Azerbaijan "On the Efficient Use of Energy Resources and Energy Efficiency" (No. 359-VIQ of 9 July 2021) and the Law of the Republic of Azerbaijan "On the Use of Renewable Energy Sources in the Production of Electricity" (No. 339-VIQ of 31 May 2021);
- AzTU's Charter and strategic development objectives; and
- relevant international frameworks and best practices related to sustainable energy and public-sector energy management.

2. KEY TERMS AND DEFINITIONS

For the purposes of this Policy, the following terms are used to ensure a shared and consistent understanding of energy efficiency and clean energy standards at AzTU:

Energy Efficiency: The reduction of energy required to deliver the same level of service or output through improved technologies, systems, and operational practices.

Clean Energy: Energy generated from sources that significantly reduce environmental impact compared to conventional fossil-based energy sources.

Renewable Energy: Energy derived from naturally replenishing sources such as solar, wind, geothermal, or similar resources.

Energy Baseline: A defined reference point representing historical energy consumption or energy intensity used to measure performance improvement.

Energy Intensity: Energy consumption expressed relative to an activity indicator such as floor area, occupancy, or operational scale.

Energy Management: Organisational processes, controls, and responsibilities used to monitor, control, and improve energy performance.

3. APPLICABILITY

This Policy applies across Azerbaijan Technical University and establishes mandatory standards for energy efficiency and clean energy management.

Specifically, this Policy applies to:

- all academic, administrative, and support units whose activities influence energy use;
- facilities, laboratories, workshops, data centres, and other energy-intensive assets;
- procurement, contracting, and investment decisions involving energy-using equipment or infrastructure; and
- contractors and service providers acting on behalf of or delivering services to AzTU.

The Policy applies to energy-related activities occurring:

- on AzTU campuses and premises;
- within University-operated infrastructure and digital systems; and
- in projects or services managed or funded by AzTU where energy performance is material.

This Policy operates alongside national legislation and internal regulations and does not replace statutory technical, environmental, or financial compliance obligations.

4. GOVERNANCE

Governance of energy efficiency and clean energy at AzTU is embedded within existing leadership and asset management structures to ensure accountability, oversight, and compliance with public-sector requirements.

- **University Council:** Approves this Policy and provides strategic oversight of institutional energy performance objectives.
- **Rectorate:** Provides executive leadership, ensures alignment with institutional strategy, and allocates resources necessary for effective implementation.
- **Facilities and Energy Management Unit (Operational Lead):** Leads implementation of the Policy, maintains energy data and baselines, and coordinates efficiency and clean energy initiatives.
- **Sustainability Office:** Ensures coherence with sustainability and climate frameworks and supports reporting and performance alignment.

- **Procurement and Investment Units:** Ensure that energy efficiency and clean energy criteria are integrated into purchasing, contracting, and capital investment processes.
- **Academic and Administrative Units:** Support responsible energy use and comply with institutional energy performance requirements.

Governance responsibilities operate within AzTU's established decision-making framework and do not replace statutory powers of relevant national authorities.

5. ENERGY EFFICIENCY AND CLEAN ENERGY PRINCIPLES, RISK AREAS, AND INSTITUTIONAL STANDARDS

This section defines the core principles and institutional standards governing energy management at AzTU and identifies areas where energy-related risks may arise.

5.1. Energy Efficiency and Lawful Compliance

AzTU is committed to continuous improvement in energy efficiency and full compliance with applicable energy, environmental, and public-sector regulations. Legal compliance represents a minimum standard; the University seeks to exceed baseline requirements where feasible and proportionate.

5.2. High-Energy-Use Institutional Areas

Energy performance risks are elevated in areas involving intensive or continuous energy use. At AzTU, particular attention is given to:

- buildings and heating, ventilation, and air-conditioning systems;
- laboratories, workshops, and specialised equipment;
- ICT infrastructure and data-processing facilities;
- campus lighting and transport-related energy use.

Energy controls and monitoring mechanisms are prioritised in these areas.

5.3. Energy Procurement and Asset Management

Energy procurement and asset management decisions must support efficiency and lifecycle performance. Equipment, systems, and services are selected based on documented energy performance criteria, total cost of ownership, and operational suitability.

5.4. Clean and Renewable Energy Integration

AzTU promotes the adoption of clean and renewable energy solutions, including on-site generation and clean electricity procurement, where technically and economically feasible. Clean energy initiatives are assessed against infrastructure compatibility, lifecycle benefits, and institutional sustainability objectives.

5.5. Operational Responsibility and Behavioural Efficiency

Staff and students share responsibility for responsible energy use. Operational practices and behavioural measures are promoted to reduce waste, support efficient system use, and reinforce institutional energy objectives.

5.6. Reporting, Transparency, and Institutional Protection

AzTU encourages the reporting of energy inefficiencies, system faults, or practices inconsistent with this Policy. Individuals who raise concerns in good faith are protected from retaliation. Reported issues are addressed proportionately through established institutional channels.

6. IMPLEMENTATION

This Policy is implemented through integration into AzTU's facilities management, procurement, budgeting, and operational processes. Energy efficiency considerations are embedded at planning and decision-making stages rather than addressed retrospectively.

Supporting regulations, guidelines, and technical standards operationalise this Policy and define detailed requirements for energy monitoring, asset management, and project delivery. Implementation responsibilities follow the governance framework set out in Section 4.

7. MONITORING AND PERFORMANCE INDICATORS

Monitoring under this Policy ensures that energy performance objectives are applied consistently and that controls remain effective. Oversight focuses on institutional performance rather than individual operational actions.

Monitoring may draw on:

- total energy consumption;
- energy intensity indicators;
- share of clean and renewable energy;
- performance trends of major energy-using assets.

Monitoring outcomes are reviewed through appropriate governance channels and inform planning, investment prioritisation, and continuous improvement.

8. POLICY EVOLUTION

This Policy is reviewed periodically to ensure continued relevance, effectiveness, and alignment with regulatory requirements and institutional priorities. Reviews consider monitoring outcomes, audit findings, and developments in energy technologies and public-sector energy management standards.

The Policy is reviewed every two years or earlier where material changes arise. Any revisions are approved through established institutional governance processes.

AZERBAIJAN TECHNICAL UNIVERSITY

25 H. Javid Avenue, Baku, Azerbaijan, AZ 1073
(+994 12) 539-13-05

