AZERBAIJAN STATE OIL AND INDUSTRY UNIVERSITY

Policy on Energy Efficiency Standards for New Construction and Renovation Works

Effective Date: 12.02.2023

Review Date: Each 2 years

1. Purpose

This policy establishes the institutional framework for ensuring that all new construction, renovations, and major refurbishments at Azerbaijan State Oil and Industry University (ASOIU) are designed, implemented, and operated in accordance with recognized energy efficiency and sustainability standards. It supports ASOIU's commitments under its Climate Action Plan (2023–2050) and Sustainability Plan (2023–2030) to achieve carbon neutrality by 2040.

2. Policy Statement

ASOIU, as a leading higher education institution in energy and engineering, recognizes its responsibility to reduce the environmental footprint of its physical infrastructure. Therefore, the University requires that all campus construction and renovation projects comply with the following key principles:

- Adherence to energy-efficient design standards aligned with international frameworks (GHG Protocol, ISO 50001, and EU Energy Efficiency Directive);
- Integration of renewable and low-carbon energy solutions in all design stages;
- Optimization of resource consumption (energy, water, materials) through sustainable engineering and smart technologies;
- Periodic evaluation and verification of building energy performance.

3. Scope

This policy applies to:

- All university-owned buildings and facilities under renovation or new construction;
- All contractors, consultants, and project managers engaged in design and construction;
- All administrative and academic units responsible for infrastructure planning, procurement, and maintenance.

4. Standards and Frameworks

ASOIU's construction and renovation projects shall comply with the following frameworks and standards:

1. GHG Protocol Corporate Standard – for tracking and reporting campus-related carbon emissions;
2. ISO 50001: Energy Management Systems – for continuous energy performance improvement;

3. Azerbaijan National Construction Norms – for building insulation, ventilation, and heating efficiency;
4. EN 15232 – for automation and control of building energy performance;
5. UN SDGs (particularly SDG 7 and SDG 13) – for integrating sustainability into infrastructure development.

5. Implementation Responsibilities

The Working Group for Environmental Governance under the Sustainability Committee is responsible for:

- Conducting energy audits and feasibility studies for all major projects;
- Approving design plans that include LED lighting, high-efficiency HVAC, and smart energy systems;
- Promoting use of renewable energy sources (solar, geothermal, etc.);
- Coordinating with contractors to verify that construction materials meet low-carbon and recycled content criteria;
- Ensuring all new buildings undergo a post-construction energy performance assessment.

6. Monitoring and Reporting

- Annual monitoring of building energy use and emissions will be performed by the Sustainability Committee;
- Results are documented in the ASOIU Annual Sustainability Report and the Addendum to Climate Action Plan (2025);
- Non-compliance triggers a corrective action process and potential suspension of facility commissioning until energy targets are met.

7. Targets and Performance Indicators

ASOIU adopts the following measurable objectives:

Target Year	Energy Efficiency Improvement	GHG Reduction	Verification Mechanism
2028	10% improvement in building energy performance	10% (Scope 1) reduction	Annual Energy Audit
2035	30% improvement in all new and renovated structures	30% across all scopes	Third-party Verification

2040	100% renewable electricity and net-zero emissions	Carbon Neutral Campus	National GHG Registry

8. Compliance and Enforcement

Failure to comply with this policy may result in:

- Denial of project continuation or certification;
- Mandatory retrofit requirements at the expense of the responsible unit or contractor;
- Administrative review by the Rectorate and Sustainability Committee.

9. Review and Revision

This policy shall be reviewed every three years or upon significant changes to national or international energy efficiency regulations.