POLICY ON ENERGY-EFFICIENT RENOVATION AND NEW BUILDINGS

THE POLICY HAS BEEN APPROVED BY THE DECISION OF THE SCIENTIFIC COUNCIL OF NAKHCHIVAN STATE UNIVERSITY AT THE MEETING HELD ON APRIL 12, 2024 (PROTOCOL NO: 6)

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NAXÇIVAN DÖVLƏT UNİVERSİTETİ

1. Purpose

Nakhchivan State University (NSU) is committed to improving energy efficiency, reducing energy consumption, minimizing environmental impact, and supporting the university's long-term carbon reduction and net-zero objectives (reducing carbon footprint by 2035 and achieving net-zero by 2045). This policy establishes energy-efficiency principles to be integrated into the planning, design, renovation, refurbishment, and construction of university buildings and facilities.

2. Scope

This policy applies to all major renovation, refurbishment, extension, and new-build projects undertaken by or on behalf of Nakhchivan State University, including academic, administrative, residential, laboratory, and supporting facilities.

3. Energy-Efficiency Requirements & Standards

Where technically and economically feasible, renovation and new-building projects shall incorporate:

- Energy-efficient LED lighting and automated lighting controls;
- Thermal insulation and measures to reduce heat loss;
- Energy-efficient heating, ventilation, and air-conditioning (HVAC) systems;
- Efficient building equipment and electrical systems;
- Smart energy monitoring and sub-metering systems;
- Building design measures that reduce unnecessary energy consumption;
- Integration of renewable energy technologies, including rooftop solar PV and wind energy systems;
- Measures supporting efficient water and resource use.

Relevant Standards & Legislative Compliance:

All projects shall strictly comply with applicable national legislation, including the Law of the Republic of Azerbaijan No. 359-VIQ on Rational Use of Energy Resources and Energy Efficiency and national State Building Codes (DŞTN/SNiP). Where appropriate, project design and retrofits shall align with internationally recognized principles, such as LEED (Leadership in Energy and Environmental Design) guidelines.

Official Legislative References:

https://leap.unep.org/en/countries/az/national-legislation/law-no-359-viq-efficient-use-energy-resources-and-energy

Ministry of Energy of Azerbaijan - Legislative Extracts

4. Implementation and Monitoring

The university shall consider energy-efficiency requirements during project planning, technical design, procurement, renovation, and commissioning. Relevant university units shall provide appropriate technical documentation demonstrating the consideration or implementation of energy-efficiency measures.

The Sustainable Development Centre, in coordination with the Campus Infrastructure Department, shall monitor implementation, request relevant energy performance data, and provide recommendations for optimizing energy performance across university facilities.

5. Evidence and Transparency

NSU shall maintain records of relevant renovation and construction projects, including energy-efficiency measures implemented and information on energy savings and CO_2 emission reductions.

Relevant policies, reports, and evidence shall be published through the official NSU Sustainability Portal to promote transparency and demonstrate measurable progress toward Sustainable Development Goal 7.

6. Review

This policy shall be reviewed periodically (at least once every three years) and updated when necessary to reflect changes in national requirements, international good practice, technological developments, and the university's sustainability objectives.