



Lankaran State University Policy on Affordable and Clean Energy

Lankaran State University Policy on Affordable and Clean Energy – free policy

An official copy of this policy can be obtained upon request.

Contact: 50 H.Aslanov, Lankaran.

Email: office@lsu.edu.az

Website: <https://lsu.edu.az>

Phone: (+994) 025 255 25 88

Date of creation: 2023

Reviewed: 2024

Purpose

Lankaran State University (LSU) is committed to promoting environmental sustainability and enhancing energy efficiency across its operations. This policy outlines the university's strategies and actions aimed at ensuring energy efficiency in both new and existing buildings, reducing carbon emissions, and improving overall energy management.

1. Energy Efficiency in Renovations and New Builds

LSU is committed to the goal that new constructions and renovations will always be of high energy efficiency. The university follows established national and international standards for energy efficiency, including:

- Local and National Energy Codes: The implementation of the country's national building energy codes and regulation in Azerbaijan.
- Green Building Training Programs: Based on the need to promote the culture of green building solutions for constructing energy-efficient conventional and sustainable building structures, Lankaran State University established specific Green-Building training programs to qualify students and the faculty for the effective planning, construction, and management of sustainable building structures.
- [ISO 50001](#): New builds and renovations will align with ISO 50001, which sets out requirements for energy management systems to help improve energy performance.

2. Upgrading Existing Buildings for Higher Energy Efficiency

Lankaran State University is committed to retrofitting existing building stock to higher energy efficiency standards. The University established a means of implementing

a phased program for upgrading its building stock based on the richest opportunities for energy savings first, focusing on areas such as::

- **Insulation and Window Upgrades:** Improving thermal insulation and replacing inefficient windows to reduce heat loss.
- **Lighting Retrofits:** Transitioning to energy-efficient lighting systems, such as LEDs.

3. Carbon Management and Emissions Reduction

Reducing CO2 emissions is an LSU success story because the school has established a sound process for carbon management for its facility. The key components of the carbon management strategy include:

- **Carbon Footprint Assessment:** Identifying periodic analysis of the university's carbon footprint in energy consumption, transportation and waste disposal
- **Renewable Energy Integration:** LSU intends to raise the percentage of renewable energy in the total mix by integrating solar, wind, and other types of renewable energy for the campus' use.

4. Energy Efficiency Plan

The reduction of total energy usage on the campus is the goal of an Energy Efficiency Plan that has been initiated at LSU. The main strategies of this plan include:

- **Energy-saving Initiatives:** Some of the implemented behaviors include: Switching on and off lights and other power equipment when not required by students, staffs and faculty members.
- **Sustainable Infrastructure:** The installation of solar systems, geothermal heating, and energy storage structures that are green in the university structures.

The university aims for reduction in overall campus energy consumption over the next 5 years.

5. Energy Reviews and Identifying Energy Wastage

LSU regularly carries out energy audits and energy reviews to determine where energy wastage is likely to be rife. These reviews are done by personnel from the internal energy management department in consultation with energy consultants outside the firm. The review process includes:

- [Building Energy Audits](#): Energy conducts audit of each campus building in order to understand patterns of energy use and areas of waste.
- Focus Areas for Improvement: Particular emphasis is placed on old constructions, places where many people go, and systems with high energy consumption.

6. Divestment from Carbon-Intensive Energy Industries

Certainly LSU has a policy that it is to decarbonise its investments specifically in the given coal and oil energy industries. The performance of the investment fund of the university is assessed periodically to align them with the sustainability objectives as well as the criteria of ethical investment. The key principles of this policy include:

- Sustainable Investments: The university wants to refocus its investments to the natural resources such as renewable energy, green technologies and companies committed to promoting sustainability and clean power.
- Annual Review: The university's investment portfolio is reviewed on an annual basis to seek compliance with the divestment policy.