POLICY

on Energy Efficient Appliances Usage and Sustainable Energy Infrastructure

Navoi State University of Mining and Technologies

Policy Statement

Navoi State University of Mining and Technologies is committed to promoting environmental sustainability and reducing energy consumption through the implementation of energy-efficient technologies and renewable energy systems across all university facilities. The University recognizes that efficient energy management is essential for minimizing environmental impact, improving operational efficiency, and supporting national and global sustainable development goals.

The University shall continuously improve its energy performance by adopting energy-efficient appliances, integrating renewable energy technologies, monitoring energy consumption, and encouraging responsible energy use among students, academic staff, administrative employees, and visitors.

Purpose

The purpose of this policy is to:

- Reduce overall electricity and energy consumption across university campuses and facilities;
- Increase the use of energy-efficient appliances and infrastructure;
- Promote the use of renewable and clean energy technologies;
- Improve energy management and monitoring practices;
- Support sustainable campus development in accordance with international environmental standards and Greenmetric indicators;
- Foster environmental awareness and responsible energy-use behavior within the university community.

Scope

This policy applies to all university buildings, academic departments, laboratories, dormitories, administrative offices, sports facilities, libraries, outdoor campus areas, and all members of the university community.

Policy Objectives

The University shall pursue the following objectives:

1. Ensure the use of energy-efficient lighting systems in all university buildings;
2. Gradually replace conventional appliances with certified energy-efficient equipment;
3. Increase the use of renewable energy sources, including solar and wind energy systems;
4. Improve energy efficiency in air conditioning, computing, and educational technologies;
5. Reduce greenhouse gas emissions associated with campus energy consumption;
6. Maximize the use of natural daylight and environmentally friendly building design;
7. Establish regular monitoring and reporting mechanisms for energy consumption and efficiency performance.

Energy Efficiency Measures

To achieve the objectives of this policy, the University shall implement the following measures:

Energy Monitoring and Assessment

- Conduct regular energy audits and monitoring activities to identify areas of excessive energy consumption;
- Maintain records of campus energy use and evaluate opportunities for improvement;
- Implement corrective actions and preventive maintenance programs to improve energy performance.

Energy-Efficient Appliances

The University shall prioritize the procurement and installation of energy-efficient appliances and equipment, including but not limited to:

- LED lighting systems;
- Energy-saving air conditioning units;
- Energy-efficient computers and information technology equipment;
- Smart educational technologies with low power consumption.

Renewable Energy Infrastructure

The University shall continue expanding renewable energy infrastructure through:

- Solar photovoltaic panels installed on university buildings and campus facilities;
- Solar-powered street lighting systems;
- Solar water heating technologies;
- Wind energy generation systems;
- Geo power collector technologies and other sustainable energy innovations.

Sustainable Building Design

- Campus infrastructure shall be designed or renovated to maximize natural lighting and ventilation;
- Energy-saving construction materials and insulation technologies shall be encouraged in all development projects.

Responsibilities

University Administration

- Ensure effective implementation of this policy;
- Allocate financial and technical resources for energy-efficiency initiatives;
- Support continuous improvement in sustainable campus operations.

Facilities and Technical Departments

- Monitor energy consumption and maintain energy-efficient systems;
- Conduct inspections and maintenance of renewable energy technologies and appliances;
- Prepare annual reports on energy efficiency performance.

Staff and Students

- Use electricity and appliances responsibly;
- Support university sustainability initiatives and comply with energy-saving practices;
- Report unnecessary energy waste or equipment malfunction when identified.

Implementation and Review

This policy shall be implemented across all university campuses and reviewed periodically to ensure alignment with technological advancements, environmental standards, and institutional sustainability goals. The University

reserves the right to amend or update this policy as necessary to improve energy management and sustainable infrastructure development.

Effective Date

This policy becomes effective upon approval by the University Administration and shall remain in force until revised or replaced.

Dr. Bakhtiyor MARDONOV, prof.
Rector of the University