

BAKU STATE UNIVERSITY



REPORT ON SDG 7

AFFORDABLE AND CLEAN ENERGY



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ABSTRACT

Baku State University (BSU) is dedicated to achieving Sustainable Development Goal 7 (SDG 7) by prioritizing affordable and clean energy practices. The university has transitioned to clean and sustainable heating systems, installed solar panels, and established a Sustainable Procurement Policy (SPP) emphasizing environmentally responsible procurement. BSU is committed to reducing greenhouse gas emissions and promoting renewable energy sources. It integrates sustainability into academic programs and encourages student involvement in climate action. The university collaborates with government bodies and envisions active participation in international climate initiatives by 2030. BSU's holistic approach exemplifies its dedication to a sustainable and environmentally responsible future.

USED DATA

Interdisciplinary policies of BSU:

1. Accommodation Policy
2. Student Led Society Policy.
3. Sustainable Investment Policy
4. Climate Action Policy
5. Sustainable Procurement Policy

Legislative acts:

1. [Order of the President of the Republic of Azerbaijan on approval of "Azerbaijan 2030: National Priorities for Socio-Economic Development"](#)

AFFORDABLE AND CLEAN ENERGY (SDG 7)

CURRENT SITUATION

To achieve high energy efficiency, Baku State University's Sustainable Procurement Policy on this issue was also included. The heating system in BSU buildings was switched to clean and sustainable heating. Daylight-saving bulbs are lighting systems used in buildings. One solar panel was installed in BSU. It is planning to install more solar panels on the campus for sustainability.

The Sustainable Procurement Policy is planned to achieve high energy efficiency with the materials and insulation methods that will be used in the reconstruction and repair plans. In addition, this policy document envisages the use of energy-efficient products in future procurement processes.



The scope of the Climate Action Policy for BSU describes the areas and activities within the university covered by the policy. It defines the boundaries and focus of policy implementation. Some key elements of a policy framework are:

- **Campus Operations:** The policy will cover all aspects of BSU's campus operations, including energy use, transportation, waste management, water conservation, building design and construction, and the maintenance of green spaces.
- **Academic Programs:** The policy will extend to academic programs and research activities related to climate change, sustainability, and environmental conservation.
- **Community Engagement:** BSU's policy may include efforts to engage with the wider community, including residents, businesses, and organizations, related projects.
- **Emissions Reduction:** In short-term and long-term objectives define specific emissions reduction targets that the policy aims to achieve.

- Renewable Energy: With short-term and long-term objectives is specified the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling.
- Student Involvement: students will actively participate in climate action efforts, through extracurricular activities, and student-led initiatives.
- The heating systems in BSU buildings have been transitioned to a clean and sustainable heating system, specifically the Modul type.

Baku State University's Sustainable Procurement Policy on this issue was also included. We aim to increase the share of renewable energy sources and general energy efficiency in the university's energy balance. Priority is given to procurement that contributes to clean and renewable energy, efficient resources, and environmentally friendly responsible practices. Hybrid cars were bought and now are being used for service. It is planning to change all other cars of BSU to sustainable hybrid cars.



Enhancing energy efficiency, application of ecological and innovative technologies, the goal of sustainable development to combat climate change, the goal of the university in the main efficiency indicators, greening, environmental education, coordinated mitigation, adaptation, education and research activities on climate change, educational seminars program. aimed to prepare the document.

One of the University's goals is to meet a certain portion of the energy demand by reporting alternative energy sources. It is to ensure that the equipment and facilities purchased for the university meet the highest energy-saving standards.

In short term and long-term objectives are specified for the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling.

Besides objectives of SPP (Sustainable Procurement Policy) are as follows:

- Reduce negative environmental impact through SPP.
- Prioritize usage of clean products and services, while contributing to clean energy usage and reduction of carbon footprint.
- In the future, Baku State University aims to implement ecological projects to reduce emissions of greenhouse gases released into the atmosphere. The following measures are also planned:
- Continuous environmental monitoring of emissions and discharge control type projects.
- Renewal of devices and equipment that have expired.

In addition, the Climate Action Policy for BSU shows that short-term and long-term objectives are defined as specific emissions reduction targets that the policy aims to achieve.

Although a particular goal date for reaching carbon neutrality has not been established, our continued study in this area demonstrates our commitment to mitigating greenhouse gas emissions. BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives.

Our university prioritizes purchases that contribute to clean and renewable energy, efficient resources, and environmentally responsible practices.

Prioritizing clean products and services, our university contributes to Clean Energy use and carbon footprint reduction through SPP, which contributes to clean and renewable energy, resource efficiency, and environmentally responsible practices.

One of the scopes of the Climate Action Policy for BSU is in short-term and long-term objectives is specified the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling. The heating systems in BSU buildings have been transitioned to a clean and sustainable heating system, specifically the Modul type.

The Climate Action Policy mission, objectives, and appendix of the policy indicate short-term and long-term 2030 goals aligned with the SDGs. Short-term (to 2025): Climate Action (SDG 13) shows that:

- Objective 1: Develop and implement a climate research center by the year 2025.
- Objective 2: Organize and convene the inaugural global conference on climate action, aiming to attract delegates from a minimum of five nations, to be accomplished by the year 2025.

Sustainable Investment Policy long-term period actions (within 10 years) show that Priority on Clean and Renewable Energy Investments: Give priority to investments that contribute to clean and renewable energy sources, supporting the global transition to sustainable energy solutions.

Baku State University's Sustainable Procurement Policy on this issue was also included. We aim to increase the share of renewable energy sources and general energy efficiency in the university's energy balance. One solar panel was installed in BSU. It is planning to install more solar panels on the campus for sustainability.

In addition, it was determined that in the future, the efficiency of using alternative energy sources in providing hot water on all campuses will be high. Research and evaluation of effectiveness in this direction are ongoing.

Our university conducts regular correspondence with government bodies responsible for this field in our country, ministries, and state agencies, and organizes and participates in round tables.

Climate Action Policy (CAP) stated that our university Long-Term (By 2030):

Objective 3: To attain a 30% decrease in greenhouse gas emissions relative to the baseline by the year 2030.

Objective 4: Achieve active membership in a minimum of three international climate accords or initiatives by the year 2030, thereby gaining recognition as a prominent

The intellectual and inventive capabilities of student-led organizations at Baku State University (BSU) consist of effectively engaging them in the university's commitment to the Sustainable Development Goals (SDGs) and strengthening BSU's sustainability position. These are mentioned in the Student Led Society Policy.

Action 6: To attain a reduction of 25% in the carbon footprint linked to student-led events by the year 2024.

Action 14: the objective is to attain a 50% reduction in the carbon -emissions linked to student-led events by the year 2030.

By the year 2025, aim to integrate a student organization's agenda that is centered around the Sustainable Development Goals (SDGs) or encompass SDG-related themes in 70% of the programs and events.

KEY FINDINGS

The provided information outlines several key findings from Baku State University's sustainability initiatives, particularly in relation to achieving Sustainable Development Goal 7 (SDG 7), which focuses on affordable and clean energy. The key findings include: Transition to Clean Energy: BSU has successfully transitioned its heating systems to clean and sustainable options, particularly the Modul type, which reduces the environmental impact of energy consumption in university buildings.

Renewable Energy Adoption The installation of solar panels and plans for further expansion demonstrate the university's commitment to increasing the use of renewable energy sources on campus.

Emissions Reduction Targets The university has set specific emissions reduction targets, both in the short-term and long-term, demonstrating its commitment to reducing greenhouse gas emissions and working towards carbon neutrality.

Academic Integration of Sustainability BSU extends its commitment to sustainability beyond campus operations by including academic programs and research activities related to climate change, sustainability, and environmental conservation.

Community Engagement and Student Involvement The report highlights the university's efforts to engage with the wider community and encourages active student participation in climate action and sustainability initiatives.

Collaboration and Research The university engages in regular correspondence and collaboration with government bodies and participates in

discussions and round tables to advance clean energy and sustainability initiatives.

These findings collectively showcase Baku State University's comprehensive approach to achieving SDG 7 and its commitment to promoting affordable and clean energy, as well as environmental responsibility.

FUTURE GOALS

To further advance Baku State University's commitment to sustainable and clean energy practices, here are some future steps that can be considered:



By taking these future steps, Baku State University can further solidify its commitment to clean and renewable energy, contribute to a more sustainable future, and continue to align with the Sustainable Development Goal 7 (SDG 7) of affordable and clean energy.