

6

GOALS

DSDS

S

**FOR HEALTHY
COMMUNITIES
THROUGH CLEAN
DRINKING WATER**

**6 CLEAN WATER
AND SANITATION**



THE GLOBAL GOALS



Introduction

Access to clean water and adequate sanitation is fundamental to public health, environmental sustainability, and the effective functioning of higher education institutions. In line with the United Nations Sustainable Development Goal 6 (SDG 6): Clean Water and Sanitation, Nakhchivan State University (NSU) recognizes its responsibility to ensure safe water access, reliable sanitation services, and sustainable water management across its campus and institutional activities.

As a leading public university in the Nakhchivan Autonomous Republic, NSU plays an important role in promoting responsible resource management through institutional governance, campus operations, education, research, and community engagement. Water stewardship principles are embedded within infrastructure planning, environmental health and safety policies, and academic programs, contributing to institutional resilience and regional sustainability.

This report presents NSU's 2025 policies, practices, and outcomes related to clean water provision, sanitation infrastructure, water-use efficiency, wastewater management, and education and awareness initiatives.

Nakhchivan State University is committed to advancing SDG 6: Clean Water and Sanitation by ensuring universal access to clean drinking water, maintaining modern and inclusive sanitation facilities, promoting efficient water use, and supporting education and research related to water sustainability.

NSU integrates SDG 6 principles into:

- Campus infrastructure and facilities management
- Environmental health and safety governance
- Teaching, research, and community engagement activities
- Institutional sustainability planning and monitoring

These commitments are embedded in university governance structures, operational policies, and annual performance evaluation systems.



Water Efficiency and Conservation at Nakhchivan State University (NSU) – 2025

Nakhchivan State University (NSU), including SDG 6: Clean Water and Sanitation as its main goal, has been doing this by using a variety of water-efficient solutions on campus. In 2025, the university's main goal was to reduce water consumption, enhance the quality of water, and provide sustainable water practices. The outlined initiatives and accomplishments are as follows:

Water-Efficient Appliances:

Toilets: Out of the total number of toilets, 61 toilets have been upgraded along with the installation of water-efficient systems, and by doing so, the university is 60% done with the project.

Washbasins:

The 118 washbasins on the NSU campus, 83 are already fitted with water-saving taps, which means that 70% of the total is already done and ready for use.

Other Appliances: Additional measures have been taken to save water throughout the entire campus facilities.

Overall Water Efficiency:

The appliance implementation has made an average of 65% water efficiency throughout the whole campus, which is a very important action towards minimizing water wastage and increasing the sustainability of the infrastructure used for teaching, studying, and other campus activities.

Key Infrastructure Improvements:

UV purification and rainwater harvesting systems have been introduced to minimize resource reliance from the city for supply to dormitories and the main circulation of the university, especially in the areas of dormitories and heavy traffic.

The installation of digital water monitoring systems leads to the real-time monitoring of water consumption and the quick discovery of leaks, thus bringing about further conservation activities.

Impact and Future Goals:

Such projects are an inseparable part of the water conservation and sustainability program that NSU keeps on actively promoting. The university has not merely reduced its environmental impact but has also set a new standard for water management practices among higher education institutes within the area by making water efficiency its primary concern. In the future, NSU will be working on the enlargement of its rainwater harvesting systems, deployment of more water-efficient technologies, and provision of a sustainable and resilient campus that is fit for the future generation.

Sustainable Development Goal 6

ENSURE AVAILABILITY AND SUSTAINABLE
MANAGEMENT OF WATER
AND SANITATION FOR ALL

TARGET 6.1

By 2030, achieve universal and equitable access to safe and affordable drinking water for all.

INDICATOR 6.1.1

Proportion of population using safely managed drinking water services.



TARGET 6.2

By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations.

INDICATOR 6.2.1

Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water.

Water Management and Environmental Safety Policy

NSU operates under an institutional Water and Environmental Sustainability Policy designed to:

- Ensure safe and continuous provision of potable water
- Maintain effective sanitation and wastewater systems
- Promote efficient and sustainable water use
- Ensure compliance with national health, safety, and environmental regulations

Policy implementation and oversight are coordinated by:

- The Facilities and Infrastructure Management Unit
- The Environmental Health and Safety Committee

These units conduct regular inspections, oversee compliance, and report outcomes to senior university leadership.

Drinking Water Infrastructure

In 2025, NSU ensured reliable access to clean drinking water for all members of the university community.

2025 Evidence:

- 100% of academic buildings, laboratories, administrative facilities, and student residences connected to regulated potable water systems
- Routine water quality testing conducted in accordance with national public health standards
- Clearly designated and maintained drinking water access points across campus

Emergency response procedures are in place to ensure continuity of water supply during disruptions.



Ensure availability and sustainable management of water and sanitation for all

Campus Sanitation Facilities

NSU maintains comprehensive sanitation infrastructure that supports health, dignity, and accessibility.

2025 Outcomes:

- Sanitation facilities available in all campus buildings
- Gender-separated restrooms maintained in accordance with hygiene standards
- Accessible sanitation facilities for persons with disabilities
- Regular cleaning, inspection, and preventive maintenance schedules

These measures ensure a safe, inclusive, and hygienic learning and working environment.

Water Efficiency Measures

NSU promotes responsible water consumption through infrastructure upgrades and operational practices, including:

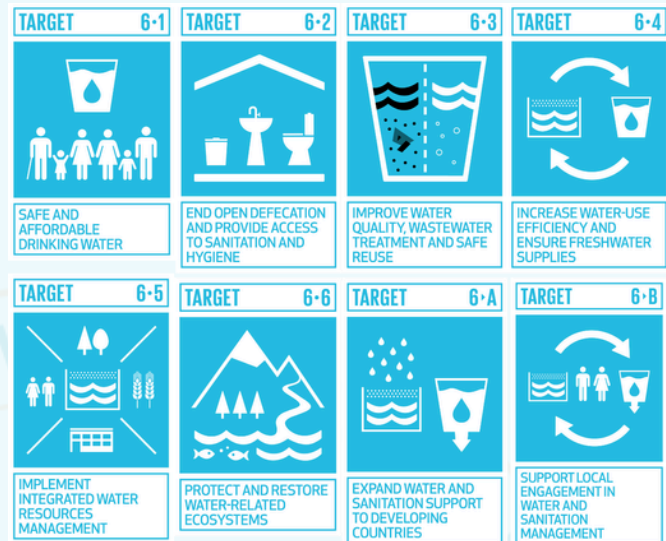
- Installation of water-efficient fixtures in renovated and newly constructed buildings
- Preventive maintenance programs to reduce leakage and system losses
- Optimization of water use in laboratories and student residences
- Landscaping and outdoor maintenance practices designed to reduce unnecessary water use

2025 Outcome:

Improved water-use efficiency and reduced water wastage compared to previous operational benchmarks, monitored internally.

Alignment with SDG 6 Targets

- 1.NSU's activities in 2025 aligned with the following SDG 6 targets:
- 2.Target 6.1: Safe and affordable drinking water
- 3.Target 6.2: Access to adequate sanitation and hygiene
- 4.Target 6.3: Improved water quality and wastewater management
- 5.Target 6.4: Increased water-use efficiency
- 6.Target 6.5: Sustainable and integrated water resource management
- 7.Target 6.b: Community participation and awareness



National and Regional Context on SDG 6

Nakhchivan Autonomous Republic is characterized by limited freshwater resources and climatic water stress, making efficient water management a strategic priority. Nakhchivan State University plays a key role in advancing sustainable water use through innovation, education, and leadership.

Nakhchivan State University contributes to national SDG 6 priorities by:

- Promoting responsible water consumption
- Supporting research on water efficiency
- Training future professionals in sustainable resource management

Strategic Goals and Plans for 2026–2030

To strengthen SDG 6 implementation, NSU plans to:

- 1.Introduce digital monitoring of water consumption to support data-driven decision-making.
 - 2.Expand water recycling and reuse practices, where feasible.
 - 3.Formalize a University Water Sustainability Policy.
 - 4.Increase interdisciplinary research and student involvement in SDG-related projects.
- Strengthen partnerships with public institutions and environmental organizations.

Conclusion

In accordance with the principles and objectives set forth in the United Nations 2030 Agenda for Sustainable Development, and in alignment with national priorities of the Republic of Azerbaijan, Nakhchivan State University hereby affirms its continued commitment to the implementation and advancement of Sustainable Development Goal 6, concerning the availability and sustainable management of water and sanitation.

During the 2025 reporting period, the University has undertaken and maintained measures to ensure uninterrupted access to safe drinking water and adequate sanitation facilities across all academic, administrative, and residential premises. These measures have been implemented in compliance with applicable national regulations, institutional standards, and internal governance procedures, thereby safeguarding public health, environmental protection, and the welfare of all members of the University community.

Nakhchivan State University further confirms that water use efficiency, sanitation management, and hygiene standards have been integrated into its operational policies and practices. Regular oversight, maintenance activities, and awareness measures have been conducted to ensure conformity with established sustainability objectives and institutional responsibilities. Such actions demonstrate NSU's due diligence in the responsible management of natural resources within its jurisdiction.

In the area of education and research, Nakhchivan State University has fulfilled its academic mandate by incorporating sustainability and water-related subjects into relevant curricula, research initiatives, and scholarly activities. These efforts support capacity building, knowledge dissemination, and the preparation of qualified specialists capable of contributing to sustainable water management at local, national, and international levels.



