

Azerbaijan Technology University Climate Action Politics

Innovative and Low-Carbon Higher Education for a Sustainable Future

Strategy

2025 - 2030 Strategic Framework

INTRODUCTION: CLIMATE COMMITMENT

Climate change is the most important global issue of modern times. problems and requires a systematic approach.

Azerbaijan University of Technology (ATU) sustainable development adhering to the principles of minimizing its impact on the environment aims to download.

This document is a climate-friendly document for all areas of university activity.

key strategic aspects that ensure consideration of

It is a frame.



SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Goal (SDG)	Justification
SDG 4: Quality education	Educating students and staff about climate change.
SDG 7: Clean energy	Integration of renewable energy sources and energy efficiency.
SDG 11: Sustainable cities	Sustainable campus management and environmentally friendly infrastructure.
SDG 12: Responsible Consumption	The 3R principle (reduce, reuse, recycle) and green purchasing.
SDG 13: Climate action	Concrete steps to reduce greenhouse gas emissions.

MAIN STRATEGIC GOALS

2050

Net-Zero Target

Carbon Emission Reduction

Scope 1 and Scope 2 emissions by 2030 significantly reduce.

440.41

Tons of CO₂ / Year (Current Emissions)

ENERGY AND INFRASTRUCTURE



Energy Efficiency

Heating, cooling and lighting
systems
modernization.



Renewable Energy

Solar panels campus
integration into the infrastructure.



Green Building

In new construction and renovation works
implementation of environmental standards.

Current natural gas consumption: 135,445 m³/year — Main emission source.

RESOURCE AND WASTE MANAGEMENT



3R Principle

Implementing a **Reduce, Reuse and Recycle** policy in waste management .



Water and Procurement

Water loss prevention and procurement giving preference to energy-efficient products.

TRANSPORTATION AND MOBILITY





Electrical Switch: University vehicles replacement with electric/hybrid models.

Active Mobility: Cycling within campus expansion of roads and pedestrian zones.

Current Fuel Impact: Transportation sector 11.74 per year causes tons of emissions.



EDUCATION AND ENLIGHTENMENT

-  **Program Integration:** Teaching Climate Change, Ecological Monitoring, and Modeling.
-  **Research Support:** Stimulating scientific projects on sustainable energy and the environment.
-  **Seminars and Trainings:** Organizing regular climate sessions for students and faculty.
-  **Partnership:** Close cooperation with local and international organizations within the framework of SDG 17.

ANNUAL EMISSION PROFILE (TON CO2)



Total Emissions: 440.41 Tons CO2/year

GREENING AND CARBON ABSORPTION



1,356 ha Pine Forest

The existing green area on the university grounds is absorbs approximately **13.56 tons of CO₂** from the atmosphere.

Expansion: Additional tree planting for carbon offset campaigns and the creation of green belts are planned.

NET-ZERO ROADMAP

2028 - 2030

Smart energy systems and
application of monitoring tools.

2030 - 2040

Renewable energy (solar)
conversion into a principal share.

2040 - 2050

Fully electric transport and Net
Zero emissions.

Let's build a sustainable future together.

Let's build a sustainable future together.

ATU Climate Action Plan

Azerbaijan University of Technology Sustainable Development Goals for 2026

Development and Carbon Emission Reduction Strategy

Gence, Azərbaycan | 2026

INTRODUCTION AND STRATEGIC OVERVIEW

Our mission

Reducing carbon emissions and promoting green technologies
environmental sustainability through integration into the educational environment
to provide.

Green Culture

Fostering a culture of sustainable development within the university
and increase environmental awareness among students.

Carbon Reduction

The path to energy efficiency and proper resource management
to minimize the university's carbon footprint.

Innovative Solutions

Applying technological innovations in the fight against climate change
and supporting startup projects.



Priority Directions

Main areas of activity and targets for 2026

GREEN TECHNOLOGIES AND INNOVATION

Event	Implementation Period	SDG Goals
"GreenTech" III Startup Competition	April 24, 2026	SDGs 4, 9, 13
Incubation support program	May-June 2026	SDG 8, 9
Exhibition of student projects	April 2026	SDG 4, 13

"GREENTECH" III COMPETITION

About the Competition

- ✓ **Categories:** Inclusive innovations, Digital solutions, Alternative energy.
- ✓ **Participants:** Bachelor's, master's and doctoral student teams.
- 📅 **Last application:** April 06, 2026.

Məqsəd: Azərbaycan gənclərinin yaşıl texnologiyalar sahəsində potensialını gücləndirmək.



ENERGY EFFICIENCY

Infrastructure Measures

Conducting energy audits in buildings and identifying areas with energy losses is a strategic priority.

LED İşıqlandırma sistemlərinin tamamilə LED
Passed. texnologiyası ilə əvəzlənməsi.

Sun Oktyabr-Dekabr aylarında texniki-iqtisadi
Energy işıqlandırmanın hazırlanması.



RESOURCE MANAGEMENT



"Green Procurement"

Environmental protection measures will be introduced in the procurement rules in January-February.

adding criteria.

Digital Circulation

Digital document to reduce paper consumption
expansion of management.

Waste Management

For waste sorting on university premises
placement of special containers.

GREEN AREAS

Protect the ecosystem of the university campus and expansion is a key component of the plan.

Tree Planting Campaign

At least 200 new seedlings between March and November planting ŸSDG 13, 15Ÿ.

Inventory

The existing 1,356 hectares of green space will be fully inventory and agronomic review.



TEACHING AND EDUCATION



Open Lectures

Climate change and green
on technologies
regular sessions.



"GreenTech" Trainings

Special for competition participants
design and innovation seminars.



Behavior Change

Energy savings for employees
and environmental behavior training.

MONITORING AND ACCOUNTABILITY

January-February

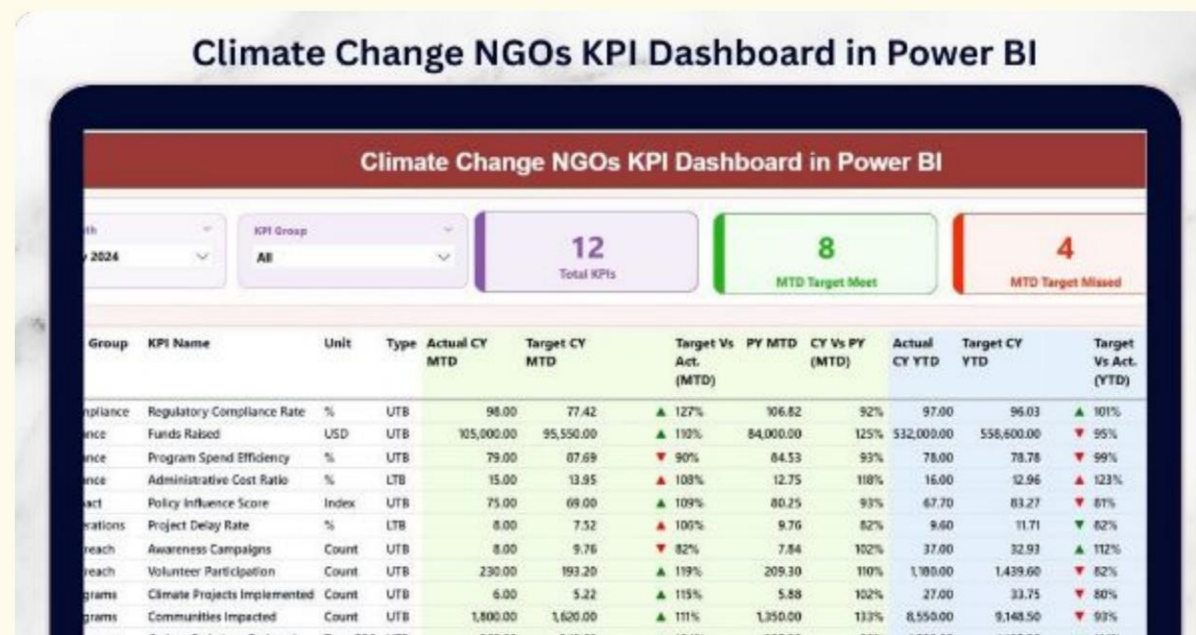
Scope 1 and 2 emissions reporting

Every Quarter

Periodic emission monitoring

December

Submission of the final annual report



| EXPECTED RESULTS

30

Startup
Team

+

5

Energy Saving

%

200

New Tree

+

100

Transparent Accountability

%

"These results will be the foundation for AMU to become one of the most environmentally friendly universities in the region."