AZERBAIJAN TECHNICAL UNIVERSITY

Zero Emission Policy

Document type	Policy
Scope (applies to)	All staff and students
Issued	2025
Last revision date	2026
Review Cycle	Every 2 years
Version	v2.0
Approval Authority	University Council
Document owner	Sustainability Office
Status	Approved and Published

CONTENTS

1. PURPOSE....4
2. SCOPE....4
3. PRINCIPLES....4
4. POLICY COMMITMENTS....4
5. GOALS....5
5.1. Short-Term (1–3 years)....5
5.2. Medium-Term (4–7 years)....5
5.3. Long-Term (8–15 years)....5
5.4. National and Global Alignment (to 2050)....5
6. CARBON REDUCTION ROADMAP....5
6.1. Scope 1: Direct Emissions....5
6.2. Scope 2: Indirect Emissions from Purchased Energy....5
6.3. Scope 3: Other Indirect Emissions....6
7. ROLES AND RESPONSIBILITIES....6
8. FUTURE GOALS....6
9. POLICY EVOLUTION....6

1. PURPOSE

The purpose of this Zero Emission Policy (hereinafter “the Policy”) is to define Azerbaijan Technical University’s (hereinafter “AzTU”) strategic pathway to achieving zero greenhouse gas emissions across all campuses. Specifically, it aims to:

- Implement sustainable transportation systems.
- Improve energy efficiency and integrate renewable energy solutions.
- Reduce waste and adopt green procurement practices.
- Ensure data-driven monitoring of emissions and progress.
- Actively engage students, faculty, staff, and external partners in climate action.

2. SCOPE

This Policy applies to:

- All AzTU campuses, including main, branch, and faculty-specific buildings.
- All operations related to transportation, energy use, waste management, and procurement.
- All students, faculty, staff, contractors, and visitors.

3. PRINCIPLES

- **Campus Sustainability First** – Prioritise solutions that directly improve AzTU’s environmental performance.
- **Technology-Driven Efficiency** – Integrate ICT, digital monitoring, and smart systems to reduce emissions.
- **Safety and Accessibility** – Ensure sustainable transport and facilities are safe and inclusive for all users.
- **Transparency** – Publicly report emissions data, progress, and annual sustainability performance.
- **Collaborative Action** – Involve students, researchers, local authorities, and partners in designing and implementing solutions.

4. POLICY COMMITMENTS

AzTU commits to:

- Expanding bike lanes and pedestrian pathways, prioritising routes between the main teaching building, library, sports hall, and dormitories.
- Scaling the electric scooter-sharing programme across all campuses, maintaining the affordable rate of 0.17 AZN (0.01 USD) per minute.
- Converting 50% of the University’s vehicle fleet to electric or hybrid by 2030, starting with shuttle buses and administrative vehicles.

- Creating vehicle-free zones in high-traffic areas such as the main teaching building courtyard and library plaza.
- Installing covered bicycle parking stations with CCTV security at all building clusters.
- Retrofitting campus buildings with LED lighting, smart HVAC systems, and rooftop solar panels.
- Integrating ICT-based monitoring systems for real-time tracking of energy consumption.
- Implementing a Green Procurement Policy that prioritises low-emission products and services.
- Organising annual Zero Emission Week events to raise awareness and promote behavioural change.

5. GOALS

5.1. Short-Term (1–3 years)

- Install 3 new EV charging stations on the main campus.
- Publish the first baseline GHG emissions inventory and annual sustainability reports.
- Launch pilot solar-powered pedestrian lighting projects.
- Introduce a campus-wide cycling map with designated safe routes.

5.2. Medium-Term (4–7 years)

- Replace all diesel-powered campus buses with electric models.
- Achieve 30% reduction in GHG emissions compared to 2025 levels.
- Install solar panels on the main teaching building, sports hall, and library.
- Expand covered bike parking to accommodate 500 bicycles.

5.3. Long-Term (8–15 years)

- Achieve carbon neutrality in all direct operations.
- Transition to a 100% zero-emission vehicle fleet.
- Source 100% of campus electricity from renewable energy.

5.4. National and Global Alignment (to 2050)

- Contribute to Azerbaijan’s national target of 35% GHG reduction by 2030.
- Achieve net-zero carbon emissions by 2050, in alignment with global climate goals.

6. CARBON REDUCTION ROADMAP

6.1. Scope 1: Direct Emissions

- Transition campus fleet from diesel/gasoline to electric and hybrid.
- Upgrade heating systems to cleaner fuels (natural gas/biogas).
- Improve building efficiency through insulation, smart controls, and efficient appliances.

6.2. Scope 2: Indirect Emissions from Purchased Energy

- Install rooftop solar panels and explore wind energy solutions.

- Purchase green electricity where available.
- Conduct energy audits and adopt smart energy management systems.
- Invest in energy storage systems to optimise renewable energy use.

6.3. Scope 3: Other Indirect Emissions

- Promote sustainable commuting (cycling, walking, public transit, scooter-sharing).
- Implement comprehensive waste management, including recycling, composting, and phasing out single-use plastics.
- Adopt green procurement practices with suppliers that meet carbon reduction standards.
- Encourage sustainability-focused research and curriculum integration.
- Engage the campus community through workshops, awareness campaigns, and student-led sustainability committees.

7. ROLES AND RESPONSIBILITIES

- **University Council:** Approves the Policy.
- **Rector's Office:** Allocates funding and ensures compliance.
- **Sustainability Office:** Oversees implementation, monitors progress, and publishes annual emission reports.
- **Facilities and Transport Department:** Maintains pedestrian and cycling infrastructure, EV charging, and the vehicle fleet transition.
- **ICT Department:** Develops and manages digital monitoring platforms for energy and transport.
- **Academic Departments:** Integrate sustainability and climate topics into teaching and research.
- **Students and Staff:** Participate in sustainable commuting, energy saving, and waste reduction initiatives.

8. FUTURE GOALS

- Establish a Zero Emission Innovation Hub at AzTU for clean technology research.
- Partner with Baku Municipality to improve public transport connectivity to AzTU sites.
- Introduce green roofs and vertical gardens for natural cooling and carbon absorption.
- Develop digital wayfinding and smart mobility apps for sustainable campus navigation.

9. POLICY EVOLUTION

This Policy will be reviewed every two years to ensure relevance, effectiveness, and compliance with evolving sustainability standards, national climate strategies, and technological advancements.

The previous version of the Policy will remain in effect until formally revised and approved by the University Council.

AZTU

AZERBAIJAN TECHNICAL UNIVERSITY

25 H. Javid Avenue, Baku, Azerbaijan, AZ 1073
(+994 12) 539-13-05

SUSTAINABLE DEVELOPMENT GOALS

