



TERMEZ STATE UNIVERSITY

ZERO-EMISSION MOBILITY POLICY



Termez 2025

1. PURPOSE

Termez State University (TerSU) is committed to fostering a sustainable, low-carbon, and environmentally responsible campus through the progressive adoption of zero-emission mobility solutions. The University recognizes that transportation is a significant contributor to greenhouse gas emissions and local air pollution, and that transitioning to cleaner mobility technologies is essential to achieving its environmental, social, and operational sustainability objectives.

This Policy establishes the institutional framework for promoting the adoption, integration, and responsible management of zero-emission mobility across all University campuses. It provides strategic direction for the development of supporting infrastructure, sustainable procurement practices, fleet modernization, stakeholder engagement, and continuous improvement in transportation management.

Termez State University acknowledges that zero-emission mobility extends beyond the replacement of conventional vehicles. It encompasses an integrated approach that includes electric vehicles, electric bicycles, electric scooters, assistive electric mobility devices, and other emerging transportation technologies that operate without direct tailpipe emissions. Through this broader perspective, the University seeks to improve campus air quality, reduce dependence on fossil fuels, enhance energy efficiency, and provide safer and more sustainable transportation options for the University community.

The implementation of this Policy complements the University's Sustainable Transportation Policy and the Public Transportation and Integrated Sustainable Mobility Policy. Together, these policies establish a comprehensive institutional framework for sustainable campus transportation and contribute to the University's long-term environmental stewardship, operational resilience, and responsible resource management.

2. LEGAL AND STRATEGIC FRAMEWORK

This Policy has been developed in accordance with the legislation of the Republic of Uzbekistan, national strategies promoting sustainable development, energy efficiency, and environmental protection, as well as the strategic priorities of Termez State University.

Its implementation shall be guided by the Constitution of the Republic of Uzbekistan, which establishes the duty to protect the environment and ensure the rational use of natural resources. The Policy is further aligned with the Law of the Republic of Uzbekistan "**On Environmental Protection**," the Law "**On the Rational Use of Energy**," the Law "**On Renewable Energy Sources**," the Law "**On Road Safety**," the Law "**On the Rights of Persons with Disabilities**," and other applicable legislative and regulatory instruments governing environmental management, transportation safety, energy efficiency, and sustainable infrastructure development.

The Policy supports the objectives of the **Strategy of the Republic of Uzbekistan for the Transition to a Green Economy for 2019–2030**, which promotes cleaner transportation systems, increased energy efficiency, reduced greenhouse gas emissions, technological innovation, and sustainable urban development. It also reflects Uzbekistan's commitments under international climate agreements by encouraging institutional measures that contribute to the reduction of transportation-related emissions and the wider adoption of environmentally sustainable technologies.

At the institutional level, this Policy forms an integral part of Termez State University's sustainability governance framework and complements the Sustainable Transportation Policy, the Public Transportation and Integrated Sustainable Mobility Policy, the Campus Development Strategy, the Environmental Sustainability Strategy, and other policies relating to campus planning and environmental management.

The University recognizes that the transition to zero-emission mobility requires long-term planning, coordinated investment, institutional leadership, and continuous innovation. Accordingly, this Policy establishes the governance framework through which zero-emission mobility shall be progressively integrated into University operations and future campus development.

3. OBJECTIVES

The primary objective of this Policy is to guide Termez State University's transition towards zero-emission mobility through the progressive adoption of environmentally sustainable transportation technologies, supporting infrastructure, and responsible operational practices.

In pursuing this objective, the University shall seek to:

- progressively increase the adoption of zero-emission mobility solutions across all campuses;
- reduce greenhouse gas emissions and local air pollutants generated by transportation activities;
- modernize the University's operational vehicle fleet through the gradual introduction of zero-emission technologies;
- encourage students, employees, contractors, and visitors to adopt cleaner transportation alternatives;
- integrate zero-emission mobility into campus planning, infrastructure development, and transportation management;
- support innovation in sustainable transportation technologies and energy-efficient mobility solutions;
- improve campus accessibility through inclusive and environmentally responsible transportation systems;

- strengthen institutional resilience by reducing dependence on conventional fossil-fuel transportation; and
- promote responsible environmental behaviour throughout the University community.

4. SCOPE

This Policy applies to all campuses, academic buildings, research centres, administrative offices, student residences, sports facilities, parking areas, service facilities, and other properties owned, leased, or managed by Termez State University.

Its provisions apply to all members of the University community, including students, academic staff, researchers, administrative employees, contractors, suppliers, service providers, visitors, and any other individuals operating or using zero-emission mobility technologies within University premises.

The Policy also applies to the planning, procurement, management, operation, maintenance, and future development of transportation infrastructure intended to support zero-emission mobility, including institutional vehicle fleets, charging facilities, bicycle infrastructure, micro-mobility facilities, and related transportation assets.

All University departments shall consider the principles and objectives of this Policy when making decisions relating to transportation, infrastructure development, procurement, campus planning, environmental management, and sustainability initiatives.

5. GUIDING PRINCIPLES

The implementation of this Policy shall be guided by the following principles, which provide the foundation for institutional decision-making concerning zero-emission mobility.

Environmental Responsibility

The University shall prioritize transportation solutions that minimize greenhouse gas emissions, reduce air pollution, improve energy efficiency, and protect the natural environment through the responsible adoption of zero-emission technologies.

Sustainable Development

Zero-emission mobility shall be integrated into the University's long-term planning to ensure that transportation systems contribute to sustainable economic, environmental, and social development while supporting responsible resource management.

Progressive Transition

The transition from conventional transportation technologies to zero-emission mobility shall be implemented through a phased and realistic approach that considers financial capacity, technological readiness, operational requirements, and infrastructure availability.

Innovation

The University shall encourage the evaluation and adoption of emerging mobility technologies that improve environmental performance, operational efficiency, safety, and user experience.

Accessibility and Inclusion

Transportation systems shall be designed to provide equitable access for all members of the University community, including persons with disabilities and individuals with diverse mobility requirements. Infrastructure and mobility services shall progressively incorporate the principles of universal design.

Collaboration

The successful implementation of this Policy requires cooperation among University departments, students, employees, governmental institutions, private-sector partners, and the wider community. The University shall therefore encourage collaborative approaches that support the advancement of zero-emission mobility.

Continuous Improvement

The University shall regularly review transportation practices, evaluate technological developments, monitor institutional performance, and update implementation strategies to ensure continuous improvement in environmental performance and operational effectiveness.

6. ZERO-EMISSION MOBILITY FRAMEWORK

Termez State University shall implement a coordinated and phased transition toward zero-emission mobility as part of its commitment to environmental sustainability, climate action, and responsible campus management. The Zero-Emission Mobility Framework establishes the University's strategic approach for integrating clean transportation technologies into institutional operations while encouraging wider adoption among members of the University community.

The transition to zero-emission mobility shall be undertaken through long-term planning, responsible investment, sustainable procurement, infrastructure development, technological innovation, and continuous stakeholder engagement. The University recognizes that the successful implementation of zero-emission mobility requires a balanced approach that considers environmental performance, operational efficiency, financial sustainability, technological readiness, and user accessibility.

All transportation-related planning, infrastructure development, and mobility initiatives shall progressively support the University's objective of reducing dependence on fossil-fuel-powered transportation while expanding opportunities for cleaner and more sustainable travel.

6.1 Institutional Fleet Transition

Termez State University shall progressively modernize its operational vehicle fleet by incorporating zero-emission technologies whenever operationally appropriate and financially feasible.

Fleet planning shall prioritize the gradual replacement of conventional internal combustion engine vehicles with fully electric alternatives used for campus administration, maintenance services, security operations, facility management, logistics, and other institutional activities. Vehicle replacement decisions shall consider operational requirements, energy efficiency, maintenance costs, lifecycle environmental impacts, reliability, and total cost of ownership.

The University shall periodically assess fleet performance and identify opportunities to increase the proportion of zero-emission vehicles without compromising operational effectiveness or essential service delivery.

Where immediate replacement is not practical, conventional vehicles shall continue to be operated efficiently while future procurement plans prioritize cleaner transportation technologies.

6.2 Personal Zero-Emission Mobility

The University encourages students, academic staff, administrative employees, researchers, contractors, and visitors to adopt zero-emission mobility as an environmentally responsible alternative to conventional private transportation.

Zero-emission mobility includes electric passenger vehicles, electric bicycles, electric scooters, electric wheelchairs, electric utility vehicles, and other fully electric personal mobility devices that comply with applicable safety regulations and University operational requirements.

The University recognizes that personal electric mobility contributes to reduced greenhouse gas emissions, lower transportation costs, improved local air quality, and healthier campus environments. Accordingly, campus planning and mobility management shall encourage the safe integration of personal zero-emission transportation with pedestrian infrastructure, cycling facilities, and public transportation systems.

Members of the University community are encouraged to operate zero-emission mobility devices responsibly, respect pedestrian priority within designated areas, and comply with applicable campus traffic regulations.

6.3 Sustainable Procurement

Environmental sustainability shall be integrated into transportation-related procurement decisions throughout the University.

When acquiring vehicles or transportation equipment, the University shall consider energy efficiency, greenhouse gas emissions, environmental performance, operational suitability, maintenance requirements, lifecycle costs, availability of technical support, and compatibility with existing infrastructure.

Where equivalent operational performance can be achieved, preference shall be given to zero-emission technologies over conventional fossil-fuel-powered alternatives. Procurement planning shall also encourage the acquisition of equipment that supports long-term sustainability objectives and reduces environmental impacts throughout the product lifecycle.

The University may encourage suppliers, contractors, and service providers to adopt environmentally responsible transportation practices consistent with the objectives of this Policy.

6.4 Innovation, Research and Demonstration

As a higher education institution, Termez State University recognizes its responsibility to contribute to technological innovation and knowledge generation in the field of sustainable transportation.

The University shall encourage research, innovation, and interdisciplinary collaboration related to electric mobility, renewable energy integration, battery technologies, charging infrastructure, intelligent transportation systems, and other emerging technologies that support zero-emission transportation.

Where appropriate, pilot projects and demonstration initiatives may be implemented to evaluate new mobility technologies before wider institutional deployment. Such initiatives shall provide practical learning opportunities for students and researchers while supporting evidence-based decision-making for future transportation investments.

The University shall seek opportunities to collaborate with government agencies, research institutions, industry partners, and international organizations in advancing sustainable transportation technologies and promoting innovation in zero-emission mobility.

7. INFRASTRUCTURE AND SUPPORTING FACILITIES

The successful transition to zero-emission mobility depends upon the availability of safe, reliable, and accessible infrastructure. Termez State University shall therefore progressively develop transportation facilities that support the efficient operation of zero-emission mobility while ensuring compatibility with future campus development.

Infrastructure planning shall be integrated into campus master planning and construction projects to ensure that transportation facilities evolve alongside the University's physical expansion and sustainability objectives.

7.1 Charging Infrastructure

The University shall progressively establish electric vehicle charging facilities in strategic campus locations, subject to technical feasibility, available financial resources, and future transportation demand.

Charging infrastructure shall support the University's operational fleet and, where practical, personal electric vehicles used by members of the University community. The location of charging stations shall be determined through careful assessment of accessibility, electrical capacity, safety, convenience, and long-term infrastructure planning.

Where feasible, the University shall explore opportunities to integrate charging facilities with renewable energy technologies and energy-efficient infrastructure to further reduce the environmental impacts associated with campus transportation.

7.2 Parking and Mobility Facilities

To encourage the adoption of zero-emission mobility, the University shall progressively develop supporting facilities that improve convenience, accessibility, and operational efficiency.

Such facilities may include designated parking areas for electric vehicles, secure parking for electric bicycles and electric scooters, accessible pedestrian connections between parking facilities and campus buildings, directional signage, lighting, and appropriate safety measures.

Infrastructure improvements shall be incorporated into future campus development projects to ensure that transportation facilities remain functional, accessible, and consistent with sustainable campus planning principles.

7.3 Universal Accessibility

The University is committed to ensuring that zero-emission mobility infrastructure is accessible to all members of the University community.

Transportation facilities developed under this Policy shall, wherever practicable, incorporate universal design principles and provide safe, barrier-free access for persons with disabilities, older adults, and individuals with diverse mobility needs.

Infrastructure planning shall prioritize equitable access while ensuring that new mobility technologies complement rather than hinder pedestrian movement and campus accessibility.

7.4 Future Infrastructure Planning

Recognizing the rapid evolution of transportation technologies, Termez State University shall maintain a flexible approach to infrastructure development.

Future campus planning shall consider the potential expansion of charging infrastructure, renewable energy integration, intelligent mobility systems, smart parking technologies, battery storage solutions, and other innovations that support zero-emission transportation.

Infrastructure investments shall be coordinated with institutional sustainability strategies, campus development priorities, and long-term financial planning to ensure efficient use of resources and continued improvement in transportation sustainability.

8. INSTITUTIONAL RESPONSIBILITIES

The successful implementation of this Policy requires coordinated action across the University and the active participation of all members of the University community. Sustainable mobility is a shared institutional responsibility that depends upon effective leadership, appropriate resource allocation, sound governance, and continuous collaboration among academic and administrative units.

The **University Council** shall provide strategic oversight for the implementation of this Policy and approve significant amendments or revisions as necessary to ensure its continued relevance and effectiveness.

The **Rector** shall provide executive leadership by promoting the integration of zero-emission mobility into the University's strategic planning, infrastructure development, and operational management. The Rector shall also support the allocation of financial and administrative resources necessary to implement the objectives of this Policy.

The **Department of Facilities and Campus Infrastructure**, in cooperation with the **Sustainability Office**, shall serve as the principal coordinating body responsible for implementing this Policy. Its responsibilities shall include transportation planning, infrastructure development, fleet management, coordination of institutional initiatives, data collection, performance monitoring, and preparation of periodic implementation reports.

The **Facilities Management Division** shall maintain and operate transportation infrastructure associated with zero-emission mobility, including charging stations, parking facilities, pedestrian connections, signage, and related assets. Maintenance activities shall seek to ensure the safety, reliability, and long-term functionality of all supporting infrastructure.

The **Campus Security Service** shall support the safe operation of zero-emission mobility by managing vehicle access, enforcing campus traffic regulations, promoting

road safety, and ensuring that transportation systems operate efficiently while protecting pedestrians and other campus users.

Academic departments and administrative units are encouraged to incorporate the objectives of this Policy into relevant teaching, research, operational planning, procurement, and community engagement activities whenever appropriate.

Students, academic staff, employees, contractors, suppliers, and visitors are expected to comply with this Policy, use transportation facilities responsibly, and contribute to the University's transition toward environmentally sustainable mobility through responsible travel choices and participation in institutional initiatives.

9. EDUCATION, AWARENESS AND CAPACITY BUILDING

The long-term success of zero-emission mobility depends not only on technological advancement but also on informed decision-making, community participation, and the development of a culture that values environmental responsibility. Termez State University therefore recognizes education and awareness as essential components of its sustainable mobility strategy.

The University shall organize educational and promotional activities that increase awareness of the environmental, economic, and public health benefits associated with zero-emission transportation. These initiatives shall encourage members of the University community to make informed transportation choices while promoting the responsible use of emerging mobility technologies.

Educational activities may include seminars, workshops, public lectures, sustainability campaigns, orientation programmes for new students and employees, exhibitions, demonstration projects, and other awareness initiatives designed to strengthen understanding of sustainable transportation and climate change mitigation.

The University shall encourage the integration of sustainable transportation, electric mobility, renewable energy, environmental management, and related topics into academic programmes, research projects, student innovation activities, and community outreach initiatives where appropriate.

Collaboration with governmental institutions, research organizations, industry partners, and civil society shall be encouraged to facilitate knowledge exchange, technical cooperation, research partnerships, and the dissemination of best practices relating to zero-emission mobility and sustainable transportation.

Through these activities, the University seeks to cultivate a campus culture in which environmentally responsible transportation becomes an integral part of everyday institutional life.

10. MONITORING, EVALUATION AND REPORTING

Termez State University shall establish a systematic monitoring and evaluation framework to assess the implementation and effectiveness of this Policy and to support continuous institutional improvement.

The Department of Facilities and Campus Infrastructure, in cooperation with the Sustainability Office and other relevant administrative units, shall collect, analyse, and maintain transportation-related data necessary to evaluate progress toward the objectives established in this Policy.

Performance evaluation may include assessment of:

- the number and proportion of zero-emission vehicles within the University's operational fleet;
- the estimated use of personal zero-emission vehicles by members of the University community;
- utilisation rates of electric vehicle charging infrastructure;
- occupancy of designated parking facilities for zero-emission mobility;
- use of electric bicycle and electric scooter parking facilities;
- implementation progress of infrastructure development projects;
- estimated reductions in greenhouse gas emissions associated with campus transportation;
- user satisfaction with transportation infrastructure and mobility services; and
- participation in education, awareness, and capacity-building initiatives.

The University may periodically conduct transportation surveys to better understand commuting patterns, identify barriers to the adoption of zero-emission mobility, evaluate user experiences, and support evidence-based transportation planning.

Monitoring results shall be incorporated into institutional sustainability reporting and shall be used to guide infrastructure investment, policy development, operational improvements, and future strategic planning.

The University shall periodically review performance indicators to ensure that monitoring activities remain relevant, measurable, and aligned with institutional priorities and emerging transportation technologies.

11. EXPECTED OUTCOMES

The implementation of this Policy is expected to support Termez State University's long-term transition toward a cleaner, safer, and more sustainable

transportation system that contributes positively to environmental protection, institutional efficiency, and community well-being.

Through the progressive adoption of zero-emission mobility, the University expects to reduce greenhouse gas emissions associated with campus transportation, improve local air quality, decrease reliance on fossil-fuel-powered vehicles, and encourage more efficient use of energy resources.

Investment in supporting infrastructure and sustainable procurement practices is expected to increase the accessibility and practicality of zero-emission transportation while strengthening the University's capacity to accommodate future technological developments in sustainable mobility.

The Policy is also expected to improve the quality of the campus environment by reducing transportation-related noise, supporting safer pedestrian spaces, and enhancing the integration of clean transportation within the University's overall campus development strategy.

By strengthening institutional planning, promoting responsible transportation behaviour, and encouraging technological innovation, Termez State University seeks to establish itself as a model of environmentally responsible campus management and to contribute meaningfully to regional and national efforts to promote sustainable transportation.

12. Contribution to the United Nations Sustainable Development Goals

The implementation of this Policy contributes to the University's commitment to the **United Nations 2030 Agenda for Sustainable Development** by promoting transportation systems that are environmentally responsible, energy-efficient, and socially inclusive.

The adoption of zero-emission mobility supports **Sustainable Development Goal 3 (Good Health and Well-being)** by contributing to improved air quality, reducing exposure to transportation-related pollutants, and creating healthier campus environments.

The promotion of electric mobility and energy-efficient transportation technologies advances **Sustainable Development Goal 7 (Affordable and Clean Energy)** through the increased use of cleaner energy solutions and the encouragement of sustainable energy consumption.

By strengthening sustainable transportation infrastructure and encouraging innovation in mobility systems, this Policy contributes to **Sustainable Development Goal 9 (Industry, Innovation and Infrastructure)**.

The development of cleaner transportation networks and environmentally sustainable campus mobility also supports **Sustainable Development Goal 11**

(Sustainable Cities and Communities) by encouraging responsible urban transportation practices and improving accessibility.

The reduction of greenhouse gas emissions generated by transportation contributes directly to **Sustainable Development Goal 13 (Climate Action)** through institutional measures that support climate change mitigation.

Furthermore, by reducing environmental pollution and promoting more sustainable patterns of resource use, this Policy contributes to **Sustainable Development Goal 15 (Life on Land)** through the protection of terrestrial ecosystems and the promotion of environmentally responsible campus operations.

13. POLICY REVIEW

This Policy shall enter into force upon approval by the University Council and shall remain effective until amended or replaced in accordance with the University's governance procedures.

The Department of Facilities and Campus Infrastructure, in cooperation with the Sustainability Office, shall be responsible for coordinating the implementation of this Policy, monitoring institutional performance, and preparing periodic reports on progress achieved toward the University's zero-emission mobility objectives.

The Policy shall undergo a comprehensive review at least once every **three (3) years**, or earlier where necessary to reflect amendments to the legislation of the Republic of Uzbekistan, changes in national environmental or transportation policy, technological developments in zero-emission mobility, revisions to the University's strategic priorities, or operational requirements arising from campus development.

The review process shall include consultation with academic and administrative units, students, technical experts, public authorities, and other relevant stakeholders. Recommendations arising from the review shall support continuous improvement of institutional transportation practices, ensure effective implementation of emerging technologies, and maintain alignment with national legislation, international best practices, and the University's long-term sustainability objectives.

14. ENTRY INTO FORCE AND REVIEW

The policy is effective from 1 January 2025.

It shall be reviewed every three years, or within six months following any relevant legislative change.

15. RESPONSIBLE UNIT AND CONTACT

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