



TERMEZ STATE UNIVERSITY

SUSTAINABLE PARKING MANAGEMENT POLICY



Termez 2025

1. Purpose

Termez State University (TerSU) is committed to managing campus parking resources in a manner that supports sustainable development, environmental protection, efficient land use, and responsible transportation management. The University recognizes that parking facilities are essential components of campus infrastructure; however, their planning, allocation, and operation must be balanced with broader institutional objectives relating to sustainability, accessibility, safety, and the preservation of green spaces.

This Policy establishes the institutional framework for the sustainable management of parking facilities across all University campuses. It provides strategic direction for parking planning, allocation, infrastructure development, demand management, and operational practices that support environmentally responsible mobility while ensuring that essential parking needs are met.

The University recognizes that excessive reliance on private motor vehicles places increasing pressure on campus land resources, contributes to greenhouse gas emissions, reduces opportunities for green space development, and affects the overall quality of the campus environment. Sustainable parking management therefore seeks not only to organize vehicle parking efficiently but also to encourage transportation choices that reduce environmental impacts and improve campus livability.

Through the implementation of this Policy, Termez State University aims to optimize the use of existing parking facilities, minimize unnecessary expansion of parking areas, encourage walking, cycling, public transportation, shared mobility, and zero-emission transportation, and integrate parking management into the University's long-term campus development strategy.

This Policy complements the University's Sustainable Transportation Policy, Public Transportation and Integrated Sustainable Mobility Policy, and Zero-Emission Mobility Policy. Together, these policies establish a comprehensive institutional framework for sustainable campus transportation, responsible land management, and environmentally sustainable mobility.

2. Legal and Strategic Framework

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

Its implementation shall be guided by the Constitution of the Republic of Uzbekistan, the Law of the Republic of Uzbekistan "**On Environmental Protection**," the Law "**On Road Safety**," the Law "**On the Rational Use of Energy**," the Law "**On the Rights of Persons with Disabilities**," and other applicable legislative and regulatory instruments governing transportation management, infrastructure development, accessibility, and environmental sustainability.

The Policy also supports the objectives of the **Strategy of the Republic of Uzbekistan for the Transition to a Green Economy for 2019–2030**, which promotes sustainable urban development, efficient use of land and energy resources, environmentally responsible transportation systems, and measures that contribute to reducing greenhouse gas emissions.

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

The University recognizes that parking management is no longer solely an operational function but an important element of sustainable campus planning. Decisions concerning parking infrastructure influence transportation behaviour, land allocation, environmental quality, accessibility, and the long-term resilience of the University's physical environment. Accordingly, parking management shall be integrated into institutional planning processes to ensure that future campus development supports both operational efficiency and environmental sustainability.

3. Objectives

The primary objective of this Policy is to establish a comprehensive framework for the sustainable management of parking facilities that balances operational requirements with environmental protection, responsible land use, and sustainable transportation objectives.

To achieve this objective, Termez State University shall pursue the following strategic goals:

- optimize the allocation and utilization of existing parking facilities across all University campuses;
- minimize unnecessary expansion of parking infrastructure through effective parking demand management;
- encourage the use of walking, cycling, public transportation, shared mobility, and zero-emission transportation as preferred alternatives to private vehicle use;

- integrate parking planning into the University's long-term campus development and infrastructure strategies;
- improve accessibility for persons with disabilities and other users requiring accessible parking facilities;
- support the gradual transition toward cleaner transportation technologies through appropriate parking infrastructure;
- improve traffic circulation, pedestrian safety, and operational efficiency within University campuses;
- preserve opportunities for green infrastructure, biodiversity enhancement, and sustainable land use by limiting the conversion of open space into parking areas;
- strengthen institutional capacity for evidence-based transportation planning through systematic monitoring and evaluation; and
- promote responsible parking behaviour among students, employees, contractors, and visitors.

4. Scope

This Policy applies to all parking facilities located within property owned, leased, operated, or managed by Termez State University, including academic campuses, administrative buildings, research facilities, student residences, sports complexes, service areas, and other institutional premises.

The provisions of this Policy apply to all members of the University community, including students, academic staff, researchers, administrative employees, contractors, suppliers, visitors, service providers, and all individuals using University parking facilities or operating vehicles within University campuses.

The Policy also applies to the planning, construction, maintenance, allocation, operation, monitoring, and future development of parking infrastructure, including vehicle parking areas, bicycle parking facilities, micro-mobility parking areas, accessible parking spaces, electric vehicle parking facilities, and associated infrastructure supporting campus mobility.

All University departments involved in campus planning, infrastructure development, facilities management, transportation planning, procurement, security, and environmental management shall consider the principles and objectives of this Policy when undertaking activities that may influence parking demand or the use of campus land.

5. Guiding Principles

The implementation of this Policy shall be guided by the following principles, which establish the foundation for sustainable parking management throughout Termez State University.

Efficient Land Use

The University recognizes that campus land is a limited and valuable institutional resource. Parking facilities shall therefore be planned, developed, and managed in a manner that optimizes land use while minimizing unnecessary occupation of space that could otherwise support academic facilities, green infrastructure, recreational areas, biodiversity conservation, or future campus development.

The construction or expansion of parking facilities shall be carefully evaluated against operational necessity, projected demand, environmental impacts, and long-term campus planning objectives. Wherever practical, existing parking capacity shall be managed more efficiently before additional parking areas are considered.

Sustainable Mobility First

Parking management shall support the University's broader transportation strategy by encouraging environmentally responsible travel behaviour and reducing dependence on private motor vehicles.

Transportation planning shall prioritize mobility options according to the following hierarchy:

1. Walking
2. Cycling
3. Micro-mobility (including electric bicycles and electric scooters)
4. Public transportation
5. Shared mobility
6. Zero-emission motor vehicles
7. Conventional private motor vehicles

This hierarchy shall guide future decisions relating to parking allocation, infrastructure investment, campus development, and transportation management, ensuring that parking policies reinforce rather than undermine the University's sustainable mobility objectives.

Accessibility and Inclusion

Parking facilities shall provide equitable access for all members of the University community. The University shall ensure that designated accessible parking spaces are appropriately located, clearly identified, and maintained in accordance with applicable accessibility standards and the principles of universal design.

Parking planning shall also consider the mobility needs of older adults, persons with disabilities, emergency services, operational vehicles, and visitors requiring accessible campus access.

Environmental Stewardship

Parking infrastructure shall be planned and managed in ways that minimize environmental impacts, improve resource efficiency, and contribute to climate resilience.

Wherever practicable, parking facilities shall incorporate sustainable design features such as permeable paving materials, stormwater management systems, landscape buffers, shade trees, native vegetation, energy-efficient lighting, and other environmentally responsible infrastructure that enhances ecological performance and user comfort.

The University shall seek opportunities to reduce the environmental footprint of parking facilities while improving the overall quality of the campus landscape.

Safety and Operational Efficiency

Parking management shall promote the safe and efficient movement of pedestrians, cyclists, public transportation users, and motorists throughout University campuses.

Parking layouts, circulation routes, traffic signage, lighting, and pedestrian connections shall be designed and maintained to reduce conflicts between different modes of transportation and improve overall campus safety.

Operational decisions relating to parking allocation shall support emergency access, service delivery, and the efficient functioning of University operations while maintaining a safe and welcoming campus environment.

Continuous Improvement

The University shall periodically review parking demand, transportation patterns, technological developments, and infrastructure performance to ensure that parking management practices continue to evolve in response to changing institutional needs.

Evidence-based planning, stakeholder consultation, and regular performance evaluation shall support continuous improvement and the long-term effectiveness of this Policy.

6. Sustainable Parking Management Framework

Termez State University shall manage parking facilities through an integrated framework that balances operational requirements with environmental sustainability, accessibility, efficient land use, and responsible transportation planning. Parking shall not be regarded merely as infrastructure for vehicle storage but as an important component of the University's overall mobility system and campus development strategy.

The University recognizes that decisions regarding parking availability directly influence travel behaviour, transportation choices, land allocation, and environmental performance. Accordingly, parking management shall support the University's objective of reducing dependence on private motor vehicles while improving opportunities for active transportation, public transportation, and zero-emission mobility.

Future decisions concerning parking infrastructure shall therefore be guided by demonstrated operational need, long-term campus planning priorities, and the principles established within this Policy.

6.1 Parking Allocation and Prioritisation

The allocation of parking facilities shall reflect the University's commitment to operational efficiency, equity, accessibility, and sustainable transportation. Parking spaces shall be assigned according to institutional priorities rather than solely on the basis of vehicle ownership.

Priority shall generally be provided to:

- University operational and service vehicles;
- emergency response vehicles;
- accessible parking for persons with disabilities;
- official University visitors and guests;
- designated parking for zero-emission vehicles where available; and
- staff and students in accordance with institutional parking management procedures.

The University may periodically review parking allocations to ensure that available capacity continues to reflect operational requirements, transportation demand, and institutional priorities.

Parking allocation shall remain sufficiently flexible to accommodate future changes in campus development, transportation technologies, and the evolving needs of the University community.

6.2 Parking Demand Management

Termez State University recognizes that the long-term sustainability of campus transportation depends upon managing parking demand rather than continuously increasing parking supply.

Accordingly, the University shall prioritize initiatives that encourage members of the University community to choose sustainable transportation alternatives before considering expansion of parking infrastructure.

Parking demand management may include the promotion of public transportation, walking, cycling, shared mobility, zero-emission transportation, flexible transportation planning, and other institutional initiatives designed to reduce unnecessary vehicle trips to campus.

Where appropriate, parking utilization data shall be used to evaluate whether transportation demand can be addressed through mobility management measures before additional parking facilities are developed.

This approach supports more efficient use of campus land while reducing traffic congestion, transportation-related emissions, and infrastructure costs.

6.3 Green Parking Design

The University is committed to ensuring that parking facilities contribute positively to the campus environment through the application of sustainable design principles.

Where feasible, new parking facilities and major redevelopment projects shall incorporate environmentally responsible design features that reduce ecological impacts and improve resilience to changing climatic conditions.

Such measures may include:

- permeable pavement systems that improve stormwater infiltration;
- landscape buffers and native vegetation;
- shade trees that reduce surface temperatures and improve user comfort;
- energy-efficient outdoor lighting;
- sustainable drainage systems;
- rainwater management measures;
- heat-island mitigation strategies; and
- integration with surrounding green infrastructure.

The University shall also seek opportunities to improve the environmental performance of existing parking facilities through phased renovation and infrastructure enhancement programmes.

6.4 Electric Vehicle Parking

The transition toward zero-emission mobility requires parking infrastructure that supports the practical use of electric vehicles across University campuses.

The University shall progressively designate parking spaces for electric vehicles and integrate these facilities into future campus transportation planning.

Where technically and financially feasible, electric vehicle parking areas may be equipped with charging infrastructure designed to support both University operational vehicles and personal electric vehicles used by members of the University community.

Planning for electric vehicle infrastructure shall consider projected demand, electrical capacity, user accessibility, safety requirements, and compatibility with future campus development.

The expansion of electric vehicle facilities shall be coordinated with the University's Zero-Emission Mobility Policy and long-term infrastructure planning.

6.5 Bicycle and Micro-Mobility Parking

Recognizing the important role of active transportation in reducing vehicle dependency, Termez State University shall continue expanding facilities that support bicycles and other forms of micro-mobility.

Secure and conveniently located parking facilities for bicycles, electric bicycles, and electric scooters shall be provided near academic buildings, administrative offices, libraries, student residences, sports facilities, and other major campus destinations where practicable.

These facilities shall be integrated with pedestrian routes and public transportation access to facilitate seamless multimodal travel throughout the campus.

Future infrastructure improvements shall prioritize safety, accessibility, weather protection where appropriate, and ease of use in order to encourage greater adoption of active and zero-emission transportation.

6.6 Visitor and Event Parking

The University recognizes that visitors, guests, and participants attending conferences, ceremonies, sporting events, and other institutional activities require convenient access to campus while maintaining efficient parking operations.

Visitor parking shall therefore be provided in designated locations that support safe campus access while minimizing disruption to academic activities and routine transportation operations.

For major events expected to generate increased parking demand, the University may implement temporary traffic management measures, direct visitors to designated parking areas, encourage the use of public transportation or shared mobility services, and deploy additional personnel to facilitate safe vehicle circulation.

Event planning shall consider transportation impacts as part of broader campus operational planning to minimize congestion and improve visitor experience.

6.7 Land Use and Future Parking Development

Termez State University recognizes that campus land is a strategic institutional asset that must be managed responsibly for the benefit of current and future generations.

Before constructing new parking facilities or expanding existing parking areas, the University shall evaluate whether transportation demand can be addressed through improved mobility management, enhanced public transportation access, active transportation infrastructure, shared mobility programmes, or more efficient utilization of existing parking resources.

Where additional parking development is determined to be necessary, planning shall seek to minimize impacts on green spaces, biodiversity, recreational areas, and opportunities for future academic expansion.

Long-term campus development shall prioritize multifunctional land use that balances transportation requirements with environmental conservation, climate resilience, and the creation of an attractive and accessible campus environment.

7. Green Parking Infrastructure

The University shall progressively develop parking infrastructure that supports environmental sustainability while improving functionality, accessibility, and user safety.

Infrastructure planning shall seek to ensure that parking facilities contribute positively to the University's landscape, transportation network, and sustainability objectives rather than functioning solely as vehicle storage areas.

Future parking infrastructure shall be designed as an integrated component of the campus mobility system, supporting convenient connections between parking areas, pedestrian walkways, cycling infrastructure, public transportation stops, and academic buildings.

7.1 Sustainable Design Standards

Parking infrastructure developed or substantially renovated under this Policy shall, wherever practicable, incorporate sustainable design principles that reduce environmental impacts throughout the facility's lifecycle.

Planning and design shall consider resource efficiency, climate resilience, accessibility, user safety, ease of maintenance, and compatibility with surrounding campus development.

The University shall encourage the adoption of engineering solutions that improve environmental performance while reducing long-term operational costs and infrastructure maintenance requirements.

7.2 Landscape Integration

Parking facilities shall be designed to complement the University's landscape and contribute positively to campus aesthetics.

Landscape planning shall incorporate trees, shrubs, native vegetation, and green buffers wherever practicable to improve visual quality, enhance biodiversity, provide shade, reduce surface temperatures, and improve user comfort.

The University shall seek opportunities to integrate parking facilities with broader green infrastructure initiatives that strengthen ecosystem services and contribute to climate adaptation.

7.3 Accessibility and Safety

Parking infrastructure shall provide safe, convenient, and equitable access for all users.

Facilities shall include clearly marked parking spaces, accessible pedestrian routes, appropriate lighting, traffic signage, directional markings, and other safety measures that reduce conflicts between pedestrians, cyclists, and motor vehicles.

Where appropriate, infrastructure shall incorporate universal design principles to ensure accessibility for persons with disabilities and other users with diverse mobility requirements.

8. Institutional Responsibilities

The effective implementation of this Policy requires coordinated leadership, sound governance, and the active participation of the entire University community. Sustainable parking management is a shared institutional responsibility that supports the University's broader objectives for sustainable transportation, environmental protection, and responsible campus development.

The **University Council** shall provide strategic oversight for this Policy and approve significant amendments or revisions where necessary.

The **Rector** shall ensure that sustainable parking management is integrated into the University's strategic planning, campus development programmes, and operational decision-making. The Rector shall also support the allocation of appropriate financial and administrative resources necessary for the implementation 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 include parking planning, infrastructure development, parking allocation, demand management, data collection, performance monitoring, and the preparation of periodic implementation reports.

The **Facilities Management Division** shall maintain parking infrastructure, pedestrian connections, bicycle parking facilities, lighting systems, landscape features, drainage systems, traffic signs, pavement markings, and other assets associated with campus parking facilities.

The **Campus Security Service** shall oversee the day-to-day management of parking operations, support compliance with University parking regulations, manage vehicle circulation where appropriate, assist with traffic management during major events, and contribute to maintaining a safe campus environment.

Academic and administrative units shall support the implementation of this Policy by incorporating sustainable transportation principles into operational planning, infrastructure projects, and institutional activities where appropriate.

Students, academic staff, employees, contractors, suppliers, and visitors are expected to comply with University parking regulations, use parking facilities responsibly, and contribute to reducing unnecessary vehicle use through environmentally responsible transportation choices whenever practical.

9. Monitoring, Evaluation and Reporting

Termez State University shall implement a systematic monitoring and evaluation framework to assess the effectiveness of sustainable parking management and to support continuous improvement of transportation planning and campus land use.

The Department of Facilities and Campus Infrastructure, in cooperation with the Sustainability Office and other relevant administrative units, shall collect, analyse, and maintain parking-related data necessary to evaluate institutional performance and support evidence-based decision-making.

Performance monitoring may include:

- parking occupancy rates across University campuses;
- parking turnover and utilization patterns;
- distribution of parking demand among user categories;
- utilization of designated accessible parking spaces;
- utilization of electric vehicle parking facilities;
- utilization of bicycle and micro-mobility parking facilities;
- trends in private vehicle access to campus;
- effectiveness of parking demand management measures;
- compliance with parking regulations;
- condition and maintenance of parking infrastructure;
- user satisfaction with parking facilities and campus accessibility; and
- opportunities for improving operational efficiency and environmental performance.

Transportation and parking surveys may be undertaken periodically to better understand travel behaviour, parking demand, infrastructure needs, and user experiences.

The findings of monitoring activities shall be incorporated into institutional sustainability reporting and shall inform future decisions regarding campus planning, infrastructure investment, parking allocation, and transportation management.

The University shall periodically review monitoring indicators to ensure that performance assessment remains relevant, measurable, and aligned with institutional priorities and future campus development.

10. Public Information and Transparency

Termez State University is committed to maintaining transparency in the planning, management, and continuous improvement of campus parking facilities. The University recognizes that access to reliable information enables informed transportation decisions, encourages community participation, and strengthens institutional accountability.

The University shall make appropriate parking-related information available through official communication channels, including the University's website, campus

maps, digital information platforms, orientation materials, notice boards, and institutional sustainability reports.

Publicly available information may include parking maps, designated parking areas, accessible parking locations, bicycle parking facilities, electric vehicle parking locations, transportation guidance, parking regulations, infrastructure improvements, and updates relating to sustainable mobility initiatives.

Where appropriate, the University may publish summaries of parking utilization, infrastructure development projects, transportation planning initiatives, and other information that demonstrates progress toward sustainable campus management.

The University shall periodically review communication methods to ensure that parking information remains accurate, accessible, and responsive to the needs of students, employees, visitors, and other stakeholders.

11. Expected Outcomes

The implementation of this Policy is expected to establish a parking management system that supports the University's long-term commitment to sustainable campus development, responsible land use, and environmentally responsible transportation.

Through the optimization of existing parking facilities and the application of effective demand management strategies, the University expects to reduce unnecessary expansion of parking infrastructure while improving operational efficiency and preserving valuable campus land for academic development, green infrastructure, recreational areas, and biodiversity enhancement.

The Policy is expected to encourage greater use of walking, cycling, public transportation, shared mobility, and zero-emission transportation, thereby reducing dependence on private motor vehicles and contributing to lower greenhouse gas emissions and improved local air quality.

Continued investment in sustainable parking infrastructure is expected to enhance accessibility, improve pedestrian safety, strengthen climate resilience through environmentally responsible design, and create a campus environment that is more attractive, inclusive, and convenient for all users.

By integrating parking management into broader institutional planning, Termez State University seeks to ensure that transportation infrastructure supports both current operational needs and the University's long-term sustainability vision.

12. Contribution to the United Nations Sustainable Development Goals

The implementation of this Policy supports Termez State University's commitment to the **United Nations 2030 Agenda for Sustainable Development** by promoting responsible land use, sustainable transportation, and environmentally sound infrastructure planning.

The Policy contributes to **Sustainable Development Goal 3 (Good Health and Well-being)** by encouraging transportation systems that reduce air pollution, improve pedestrian safety, and create healthier campus environments.

Through efficient management of land resources and the promotion of sustainable transportation alternatives, the Policy advances **Sustainable Development Goal 11 (Sustainable Cities and Communities)** by supporting accessible, safe, and environmentally responsible mobility.

The integration of sustainable parking infrastructure and environmentally conscious planning contributes to **Sustainable Development Goal 9 (Industry, Innovation and Infrastructure)** by encouraging resilient infrastructure and innovative approaches to transportation management.

By reducing unnecessary vehicle dependency and supporting lower transportation-related greenhouse gas emissions, the Policy contributes directly to **Sustainable Development Goal 13 (Climate Action)**.

The preservation of green spaces, the incorporation of sustainable landscape design, and the protection of natural resources also support **Sustainable Development Goal 15 (Life on Land)** by strengthening biodiversity and promoting environmentally responsible campus development.

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 implementation, monitoring

institutional performance, and preparing periodic reports on the effectiveness of sustainable parking management across University campuses.

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 transportation or environmental policy, developments in sustainable parking management practices, revisions to the University's strategic priorities, or operational requirements arising from campus growth and infrastructure development.

The review process shall include consultation with relevant administrative units, academic staff, students, technical experts, public authorities, and other stakeholders where appropriate. Recommendations arising from the review shall support continuous improvement of institutional parking management practices, strengthen sustainable transportation planning, and ensure that the Policy remains aligned with national legislation, international good 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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