

Ministry of Education and Science of the Republic of Kazakhstan
KEJSC "Caspian University of Technology and Engineering named after Sh. Yessenov"



Sustainability and Climate Action Policy

translated from original copy

APPROVED
by decision of the Scientific Council
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ST UE 018-2022 -QUALITY MANAGEMENT SYSTEM STANDARD

Aktau 2022

- 1 **DEVELOPED AND ENTERED BY** Quality Assurance Office of Yessenov University January 5 , 2022 .
- 2 **AGREED** by the decision of the Quality Council of Yessenov University January 6, 2022 , No. 3 protocol
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1. GENERAL PROVISIONS

1. This "Sustainability and Climate Action Policy" establishes the framework for integrating sustainable practices and climate resilience into the operations, education, and research activities of Yessenov University.
2. The policy applies to all university departments, staff, students, and stakeholders involved in sustainability initiatives.
3. Compliance with this policy is mandatory and monitored by the Sustainability Office.
4. The policy aligns with national and international sustainability standards, including the UN Sustainable Development Goals (SDGs) and the Paris Agreement.

2. REGULATORY REFERENCES

- 2.1. This standard was developed taking into account the requirements of the following normative documents:
 1. UN Sustainable Development Goals (SDGs) 2030
 2. Paris Agreement on Climate Change
 3. Kazakhstan's National Climate Policy
 4. ISO 14001:2015 Environmental Management Systems

3. TERMS AND DEFINITIONS

Sustainability	Meeting present needs without compromising future generations.
Carbon Footprint	Total greenhouse gas emissions caused by an entity.
Climate Resilience	Capacity to adapt to climate-related risks.
Green Procurement	Purchasing eco-friendly products/services.

4. SIGNS AND ABBREVIATIONS

ISO	International Organization for Standardization.
University	"Caspian University of Technology and Engineering named after Sh. Yesenov" KEJSC

5. SUSTAINABILITY OBJECTIVES

5.1. Carbon Neutrality

- Target: Achieve net-zero carbon emissions by 2050.
- Actions:
 - Transition to renewable energy sources (solar, wind).
 - Improve building insulation and energy-efficient lighting.
 - Offset unavoidable emissions through certified carbon credits.

5.2. Energy Efficiency

- Target: Reduce energy consumption by 20% by 2030.

- Actions:
 - Install smart meters and energy management systems.
 - Upgrade HVAC systems for optimal efficiency.
 - Promote behavioral changes (e.g., turning off unused equipment).

5.3. Waste Reduction

- Target: Achieve zero waste to landfill by 2035.
- Actions:
 - Implement comprehensive recycling and composting programs.
 - Reduce single-use plastics in cafeterias and offices.
 - Partner with suppliers to minimize packaging waste.

5.4. Sustainable Transportation

- Target: Reduce fossil fuel dependency by 30% by 2030.
- Actions:
 - Expand bicycle infrastructure and electric vehicle charging stations.
 - Promote carpooling and public transport subsidies.
 - Transition university fleet to electric/hybrid vehicles.

5.5. Water Conservation

- Target: Reduce water usage by 15% by 2026.
- Actions:
 - Install low-flow faucets and rainwater harvesting systems.
 - Implement drought-resistant landscaping.
 - Conduct regular leak detection and repair.

6. CLIMATE ACTION STRATEGIES

6.1. Research and Innovation

- Support interdisciplinary research on climate change solutions.
- Establish partnerships with green tech companies and NGOs.

6.2. Education and Awareness

- Integrate sustainability into academic programs.
- Host workshops, seminars, and campaigns on environmental stewardship.

6.3. Green Campus Initiatives

- Develop green spaces and urban gardens.
- Use sustainable materials in construction and renovations.

7. ROLES AND RESPONSIBILITIES

Department	Responsibility
Sustainability Office	Policy oversight
Facilities Management	Energy/water efficiency
Academic Departments	Curriculum integration

(See Appendix A for full matrix.)

8. MONITORING AND REPORTING

- Conduct annual sustainability audits.
- Publish progress reports on the university website.
- Engage third-party evaluators for transparency.

9. MONITORING AND REPORTING

- Review policy effectiveness biennially.
- Incorporate stakeholder feedback into updates.

A. ALLOCATION OF RESPONSIBILITIES

Department/Position	Key Responsibilities	Performance Indicators
Sustainability Office	- Develop and oversee implementation of sustainability initiatives.	- Annual reduction in carbon emissions.
	- Coordinate with departments to ensure policy compliance.	- Number of sustainability projects initiated per year.
	- Prepare and publish annual sustainability reports.	- Stakeholder satisfaction survey results.
Facilities Management	- Implement energy-efficient infrastructure (e.g., LED lighting, solar panels).	- % reduction in energy/water consumption year-on-year.
	- Manage waste segregation, recycling, and composting programs.	- Tons of waste diverted from landfills annually.
	- Maintain green spaces and sustainable landscaping.	- Square meters of green space preserved/expanded.
Academic Departments	- Integrate sustainability into curricula across disciplines.	- Number of courses with sustainability modules.
	- Support student/faculty research on climate solutions.	- Research papers published on sustainability topics.
	- Organize seminars/workshops on environmental awareness.	- Attendance rates at sustainability events.

Department/Position	Key Responsibilities	Performance Indicators
Procurement Team	- Prioritize suppliers with eco-certifications (e.g., ISO 14001).	- % of procurement budget spent on sustainable products.
	- Reduce single-use plastics in purchases.	- Reduction in non-recyclable procurement materials.
Student Affairs	- Promote student-led sustainability clubs and campaigns.	- Number of active student sustainability initiatives.
	- Facilitate volunteer programs (e.g., tree planting, clean-up drives).	- Student participation rates in green activities.
Transportation Unit	- Transition university fleet to electric/hybrid vehicles.	- % of fleet converted to low-emission vehicles.
	- Improve bike-sharing infrastructure and pedestrian pathways.	- Increase in bike/EV usage among staff/students.
IT Department	- Optimize data centers for energy efficiency.	- Reduction in IT-related energy consumption.
	- Promote paperless workflows and digital documentation.	- % decrease in paper usage.
Finance Department	- Allocate budgets for sustainability projects.	- Annual funding secured for green initiatives.
	- Track cost savings from energy/waste reduction efforts.	- Financial reports on sustainability ROI.
All Staff & Students	- Adopt energy-saving practices (e.g., turning off unused devices).	- Compliance rates with sustainability guidelines.
	- Participate in training on sustainable practices.	- Training completion rates.

Developed by:

Position	YES	Date	Hand
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Checked:

Position	YES	Date	Hand
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