



Grand Asian University, Sialkot

GREENHOUSE GAS (GHG) REDUCTION POLICY

(2026)

ALIGNED WITH UNITED NATIONS
Sustainable Development Goals 2030



SDG 11

Sustainable Cities and Communities

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Review Cycle
Every 3 Years



1. PURPOSE

Grand Asian University Sialkot (GAUS) recognizes climate change as one of the most significant global challenges affecting environmental sustainability, public health, economic development, and institutional resilience. This Policy establishes the University's commitment to identifying, monitoring, managing, and reducing greenhouse gas (GHG) emissions generated through campus operations, infrastructure, transportation, resource consumption, and institutional activities.

2. SCOPE

This Policy applies to:

- All academic, administrative, and operational units of the University
- Campus buildings and infrastructure
- Energy consumption and renewable energy systems
- Transportation and mobility activities
- Waste management operations
- Procurement and resource utilization activities
- Students, faculty, staff, contractors, and visitors

3. POLICY STATEMENT

GAUS is committed to reducing its greenhouse gas emissions through energy efficiency, renewable energy utilization, sustainable transportation, waste minimization, resource conservation, digital transformation, and climate-responsible operational practices. The University shall continuously improve its carbon management practices and integrate climate considerations into institutional planning and decision-making.

4. OBJECTIVES

The objectives of this Policy are to:

- Reduce campus greenhouse gas emissions.
- Increase utilization of renewable energy sources.
- Improve institutional energy efficiency.
- Reduce transportation-related carbon emissions.
- Promote sustainable consumption practices.
- Support climate change mitigation initiatives.
- Strengthen institutional carbon footprint monitoring.
- Enhance climate awareness among stakeholders.
- Contribute to national and global climate goals.

5. GREENHOUSE GAS MANAGEMENT FRAMEWORK

GAUS shall adopt a comprehensive GHG management framework based on three principal emission categories.

Scope 1: Direct Emissions

Direct emissions generated from:

- University-owned vehicles
- Fuel-powered equipment



- Emergency generators
- Fuel combustion activities

Scope 2: Indirect Energy Emissions

Indirect emissions resulting from:

- Purchased electricity
- Grid energy consumption
- Utility-related energy use

Scope 3: Other Indirect Emissions

Indirect emissions associated with:

- Commuting and transportation
- Paper consumption
- Waste disposal activities
- Procurement-related activities
- Business travel
- Resource consumption

6. INSTITUTIONAL COMMITMENTS

6.1 Renewable Energy Transition

GAUS shall:

- Prioritize renewable energy generation.
- Expand solar photovoltaic infrastructure where feasible.
- Reduce dependence on conventional electricity sources.
- Integrate renewable energy into future infrastructure projects.
- Monitor renewable energy production and utilization.

6.2 Energy Efficiency Improvement

The University shall:

- Utilize energy-efficient appliances and equipment.
- Implement campus-wide LED lighting systems.
- Promote efficient HVAC operations.
- Conduct periodic energy performance reviews.
- Encourage responsible energy-use behavior.

6.3 Sustainable Transportation

GAUS shall:

- Promote walking and pedestrian mobility.
- Encourage ride-sharing and carpooling.
- Support low-carbon transportation alternatives.
- Develop bicycle-supportive infrastructure.
- Facilitate adoption of electric mobility technologies where feasible.

6.4 Waste and Resource Management

The University shall:

- Implement waste segregation systems.
- Promote recycling and composting.
- Reduce single-use materials.
- Encourage responsible resource consumption.
- Minimize waste-related emissions.

6.5 Digital Transformation and Paper Reduction



GAUS shall:

- Promote paperless administrative systems.
- Expand digital communication platforms.
- Utilize ERP, LMS, and electronic record systems.
- Reduce paper-intensive operational processes.

6.6 Green Infrastructure Development

The University shall:

- Maintain and expand green spaces.
- Conduct annual plantation programs.
- Promote biodiversity conservation.
- Enhance ecosystem services that contribute to carbon sequestration.

7. GREENHOUSE GAS REDUCTION STRATEGIES

The University shall implement the following emission-reduction strategies:

Energy Sector

- Renewable energy generation
- LED lighting conversion
- Energy-efficient equipment
- Energy conservation campaigns

Transportation Sector

- Green Mobility Campaigns
- Walking initiatives
- Carpooling encouragement
- Electric mobility infrastructure

Waste Sector

- Recycling initiatives
- Composting systems
- Plastic reduction measures
- Waste minimization programs

Buildings and Infrastructure

- Green building principles
- Natural lighting utilization
- Ventilation optimization
- Sustainable infrastructure planning

Education and Awareness

- Climate literacy programs
- Sustainability campaigns
- Environmental awareness activities
- Student-led climate initiatives



8. KEY PERFORMANCE INDICATORS (KPIs)

KPI	Baseline 2026	Target 2030
Renewable Energy Contribution	100% Campus Solar Integration	Maintain 100%
Annual Carbon Footprint Assessment	Established	Annual Reporting
Campus LED Lighting Coverage	>95%	Maintain 100%
Green Mobility Programs	5+ annually	12+ annually
Plantation Activities	500+ trees/year	1,000+ trees/year
Paper Consumption Reduction	Baseline Established	30% Reduction
Sustainability Awareness Programs	20+ annually	40+ annually
Waste Diversion and Recycling Programs	Operational	Continuous Improvement

9. MONITORING AND REPORTING

GAUS shall:

- Conduct annual carbon footprint assessments.
- Monitor greenhouse gas emission sources.
- Maintain institutional GHG inventories.
- Track renewable energy generation and usage.
- Evaluate progress against emission reduction targets.
- Publish climate and carbon performance data through sustainability reports.
- Report performance through recognized sustainability frameworks, including UI GreenMetric.

10. REVIEW AND REVISION

This Policy shall be reviewed every three (03) years or earlier if required due to:

- Regulatory changes
- Climate-related commitments
- Sustainability framework updates
- Institutional strategic priorities
- Performance review findings

11. APPROVAL AUTHORITY

Prepared & Reviewed by: Registrar	Approved by: Pro – Vice Chancellor
 Dr. Saqib Anwar Siddiqui	